



**GOVERNMENT OF ASSAM
ASSAM INLAND WATER TRANSPORT DEVELOPMENT SOCIETY**

3rd Floor, Directorate of Inland Water Transport, Assam::Ulubari, Guwahati-781007:: email: dir.iwtds-as@gov.in, Tel: 0361-2462677

PROJECT : ASSAM INLAND WATER TRANSPORT PROJECT

CREDIT NO./ GRANT NO. : IBRD-P4830

**NATIONAL OPEN COMPETITIVE PROCUREMENT
(Single Stage Two-Envelope Bidding Process with e-Procurement)
FOR PROCUREMENT OF GOODS/EQUIPMENT**

**TITLE: SUPPLY OF 3 (THREE) NOS. SHORE STATIONED BASED
SEARCH, RESCUE AND SURVEILLANCE BOATS.**

(For IWT ferry services on the river Brahmaputra)

RFB No.	:	IN-IWT-120898-GO-RFB
DATE OF COMMENCEMENT OF SALE OF BIDDING DOCUMENT	:	29 th June'2019
LAST DATE FOR SALE OF BIDDING DOCUMENT	:	29 th July'2019
LAST DATE AND TIME FOR HOURS SUBMISSION OF BIDS	:	29 th July'2019 TIME 14 00
TIME AND DATE OF OPENING	:	1 st Aug'2019 TIME 15 00 HOURS
OFFICER INVITING BIDS	:	Deputy State Project Director Assam Inland Water Transport Development Society

REQUEST FOR BIDS

(RFB)

**NATIONAL OPEN COMPETITIVE PROCUREMENT
FOR THE SUPPLY, INSTALLATION & COMMISSIONING OF 3 NOS. SHORE
STATION BASED SEARCH & RESCUE CUM SURVEILLANCE BOATS. (Two
Envelope Bidding Process with e-Procurement)**

**Request for Bids (RFB)
E-Procurement Notice**

Date: 28th June'2019

Loan No./Credit No./ Grant No.:P4830-IN

RFB Reference No.: IN-IWT-120898-GO-RFB

1. The Government of India has applied for financing from the World Bank toward the cost of the Assam Inland Water Transport Development Project, and intends to apply part of the proceeds toward payments under the contract for ***“Supply, Installation & Commissioning of 3 NOS. Shore Station based Search & Rescue cum Surveillance Boats”***.
2. The Assam Inland Water Transport Development Society now invites Bids from eligible Bidders for supply of ***“Supply, Installation & Commissioning of 3 NOS. Shore Station based Search & Rescue cum Surveillance Boats”*** as detailed below

<i>Description of Contract</i>	<i>Qty</i>	<i>Location for Delivery</i>	<i>Delivery Period</i>
<i>“Supply, Installation & Commissioning of 3 NOS. Shore Station based Search & Rescue cum Surveillance Boats.</i>	<i>3</i>	<i>Guwahati, Assam</i>	<i>Earliest=90days Latest=270 days</i>

3. Bidding will be conducted through national open competitive procurement procedure agreed with the World Bank, and is open to all eligible bidders as defined in the World Bank's "Procurement Regulations for IPF Borrowers, July 2016 ("Procurement Regulations"). In addition, please refer to paragraphs 3.14 and 3.15 of the Procurement Regulations setting forth the World Bank's policy on conflict of interest.
4. The bidding document is available online on website www.assamtenders.gov.in , www.iwtdirectorate.assam.gov.in, and www.aiwtdsociety.in for a non refundable price as indicated below in the form of a Demand Draft/ Banker's cheque on any Scheduled bank in favour of ***Assam Inland Water Transport Development Society*** , payable at ***Guwahati*** (Demand draft is to be submitted subsequently as per the procedure described in paragraph 8 below). Bidders will be required to register on the website www.assamtenders.gov.in for uploading the bid. The bidders would be responsible for ensuring that any addenda available on the website is also downloaded and incorporated.

- | | | |
|-----|---|--|
| (a) | Price of bidding document
(non-refundable) | : Rs 2000/- (Rupees two thousand) only |
| (b) | Date of commencement of
sale of bidding document | : 29 th June'2019 |
| (c) | Last date for sale of
bidding document | : 29 th July'2019 |
| (d) | Last date and time for
Submission of bids | : 29 th July'2019 at 14 00 hours |
| (e) | Time and date of
opening of bids– technical part | : 1 st August,2019 at 15 00 hours |

5. For submission of the bid, the bidder is required to have Digital Signature Certificate (DSC) from one of the authorized Certifying Authorities authorised by Government of India for issuing DSC. Aspiring bidders who have not obtained the user ID and password for participating in e-procurement in this Project, may obtain the same from the website: www.assamtenders.gov.in .

For cost of bid document a non-refundable fee of Rs. 2,000.00 is required to be paid (to be submitted along with other documents listed in paragraph 8 below) before the opening of the bid. The mode of payment shall be in the form of DD drawn in favour of Assam “**Inland Water Transport Development Society**”, payable at “**Guwahati**”, from any scheduled Bank.

6. Bids must be submitted online on www.assamtenders.gov.in on or before the deadline for submission of bids, and the ‘Technical Part’ of bids will be opened online at the specified time and date for opening of bids, as given above. The “Financial Part” shall remain unopened in the e-procurement system until the second public Bid opening for the financial part. Any bid or modifications to bid (including discount) received outside e-procurement system will not be considered. If the office happens to be closed on the date of opening of the bids as specified, the bids will be opened on the next working day at the same time. The electronic bidding system would not allow any late submission of bids.
7. All bids must be accompanied by a bid security as specified in the bid document. Procedure for submission of bid security is described in Para 8.
8. The bidders are required to submit (a) original demand drafts towards the cost of bid document and registration on e-procurement website (if not previously registered); and (b) original bid security in approved form with “**Assam Inland Water Transport Development Society**”, 3rd floor, Directorate of Inland Water Transport, Assam, Ulubari, Guwahati –781007, Assam, India before the opening of the Bid given above, either by registered post/speed post/courier or by hand, failing which the bids will be declared non-responsive and will not be opened.
9. Other details can be seen in the bidding document. The Purchaser shall not be held liable for any delays due to system failure beyond its control. Even though the system will attempt to notify the bidders of any bid updates, the Purchaser shall not be liable for any

information not received by the bidder. It is the bidders' responsibility to verify the website for the latest information related to this bid.

(Rahul Ch Das, ACS)
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PART 1 – Bidding Procedures

Section I. Instructions to Bidders

A. General

1. Scope of Bid

- 1.1 In connection with the Specific Procurement Notice, Request for Bids (RFB), specified **in the Bid Data Sheet (BDS)**, the Purchaser, as specified **in the BDS**, issues this bidding document for the supply of Goods and, if applicable, any Related Services incidental thereto, as specified in Section VII, Schedule of Requirements. The name, identification and number of lots (contracts) of this RFB are **specified in the BDS**.
- 1.2 Throughout this bidding document:
 - (a) the term “in writing” means communicated in written form (e.g. by mail, e-mail, fax, including if **specified in the BDS**, distributed or received through the electronic-procurement system used by the Purchaser) with proof of receipt;
 - (b) if the context so requires, “singular” means “plural” and vice versa; and
 - (c) “Day” means calendar day, unless otherwise specified as “Business Day”. A Business Day is any day that is an official working day of the Borrower. It excludes the Borrower’s official public holidays.

2. Source of Funds

- 2.1 The Government of India or Recipient (hereinafter called “Borrower”) **specified in the BDS** has applied for or received financing (hereinafter called “funds”) from the International Bank for Reconstruction and Development or the International Development Association (hereinafter called “the Bank”) in an amount **specified in the BDS**, toward the project **named in the BDS**. The Borrower intends to apply a portion of the funds to eligible payments under the contract for which this bidding document is issued.
- 2.2 Payment by the Bank will be made only at the request of the Borrower and upon approval by the Bank in accordance with the terms and conditions of the Loan (or other financing) Agreement. The Loan (or other financing) Agreement prohibits a withdrawal from the Loan account for the purpose of any payment to persons or entities, or for any import of goods, if such payment or import is prohibited by a decision of the United Nations Security Council taken under Chapter VII of the Charter of the United

Nations. No party other than the Borrower shall derive any rights from the Loan (or other financing) Agreement or have any claim to the proceeds of the Loan (or other financing).

3. Fraud and Corruption

- 3.1 The Bank requires compliance with the Bank's Anti-Corruption Guidelines and its prevailing sanctions policies and procedures as set forth in the WBG's Sanctions Framework, as set forth in Section VI, Fraud and Corruption.
- 3.2 In further pursuance of this policy, bidders shall permit and shall cause their agents (whether declared or not), subcontractors, sub-consultants, service providers, suppliers, and their personnel, to permit the Bank to inspect all accounts, records and other documents relating to any prequalification process, bid submission, and contract performance (in the case of award), and to have them audited by auditors appointed by the Bank.

4. Eligible Bidders

- 4.1 A Bidder may be a firm that is a private entity, a state-owned enterprise or institution subject to ITB 4.6, or any combination of such entities in the form of a joint venture (JV) under an existing agreement or with the intent to enter into such an agreement supported by a letter of intent, unless otherwise **specified in the BDS**. In the case of a joint venture, all members shall be jointly and severally liable for the execution of the entire Contract in accordance with the Contract terms. The JV shall nominate a Representative who shall have the authority to conduct all business for and on behalf of any and all the members of the JV during the Bidding process and, in the event the JV is awarded the Contract, during contract execution. This authorization shall be evidenced by submitting a power of attorney signed by legally authorized signatories of all members. Unless **specified in the BDS**, there is no limit on the number of members in a JV. In case of a successful bid, the joint venture agreement shall be registered in the place **specified in BDS** so as to be legally valid and binding on members.
- 4.2 A Bidder shall not have a conflict of interest. Any Bidder found to have a conflict of interest shall be disqualified. A Bidder may be considered to have a conflict of interest for the purpose of this Bidding process, if the Bidder:
 - (a) directly or indirectly controls, is controlled by or is under common control with another Bidder; or
 - (b) receives or has received any direct or indirect subsidy from another Bidder; or
 - (c) has the same legal representative as another Bidder; or
 - (d) has a relationship with another Bidder, directly or through common third parties, that puts it in a position to influence

the Bid of another Bidder, or influence the decisions of the Purchaser regarding this Bidding process; or

- (e) any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the goods/ works that are the subject of the Bid; or
 - (f) any of its affiliates has been hired (or is proposed to be hired) by the Purchaser or Borrower for the Contract implementation; or
 - (g) would be providing goods, works, or non-consulting services resulting from or directly related to consulting services for the preparation or implementation of the project specified in the BDS ITB 2.1 that it provided or were provided by any affiliate that directly or indirectly controls, is controlled by, or is under common control with that firm; or
 - (h) has a close business or family relationship with a professional staff of the Borrower (or of the project implementing agency, or of a recipient of a part of the loan) who: (i) are directly or indirectly involved in the preparation of the bidding document or specifications of the Contract, and/or the Bid evaluation process of such Contract; or (ii) would be involved in the implementation or supervision of such Contract unless the conflict stemming from such relationship has been resolved in a manner acceptable to the Bank throughout the Bidding process and execution of the Contract.
- 4.3 A firm that is a Bidder (either individually or as a JV member) shall not participate in more than one Bid, except for permitted alternative Bids. This includes participation as a subcontractor. Such participation shall result in the disqualification of all Bids in which the firm is involved. A firm that is not a Bidder or a JV member, may participate as a subcontractor in more than one Bid.
- 4.4 A Bidder may have the nationality of any country, subject to the restrictions pursuant to ITB 4.8. A Bidder shall be deemed to have the nationality of a country if the Bidder is constituted, incorporated or registered in and operates in conformity with the provisions of the laws of that country, as evidenced by its articles of incorporation (or equivalent documents of constitution or association) and its registration documents, as the case may be. This criterion also shall apply to the determination of the nationality of proposed subcontractors or sub-consultants for any part of the Contract including related Services.

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- 4.5 A Bidder that has been sanctioned by the Bank, pursuant to the Bank's Anti-Corruption Guidelines, and in accordance with its prevailing sanctions policies and procedures as set forth in the WBG's Sanctions Framework as described in Section VI paragraph 2.2 d, shall be ineligible to be prequalified for, bid for, or be awarded a Bank-financed contract or benefit from a Bank-financed contract, financially or otherwise, during such period of time as the Bank shall have determined. The list of debarred firms and individuals is available at the electronic address **specified in the BDS**.
- 4.6 Bidders that are state-owned enterprises or institutions in the Purchaser's Country may be eligible to compete and be awarded a Contract(s) only if they can establish, in a manner acceptable to the Bank, that they (i) are legally and financially autonomous (ii) operate under commercial law, and (iii) are not under supervision of the Purchaser.
- 4.7 Not used.
- 4.8 Firms and individuals may be ineligible if so indicated in Section V, Eligible Countries and (a) as a matter of law or official regulations, the Borrower's country prohibits commercial relations with that country, provided that the Bank is satisfied that such exclusion does not preclude effective competition for the supply of goods or the contracting of works or services required; or (b) 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 or contracting of works or services from that country, or any payments to any country, person, or entity in that country.
- 4.9 A Bidder shall provide such documentary evidence of eligibility satisfactory to the Purchaser, as the Purchaser shall reasonably request.
- 4.10 Not Used.

5. Eligible Goods and Related Services

- 5.1 All the Goods and Related Services to be supplied under the Contract and financed by the Bank may have their origin in any country in accordance with Section V, Eligible Countries.
- 5.2 For purposes of this ITB, 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.
- 5.3 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.

B. Contents of Request for Bids Document

- 6. Sections of Bidding Document** 6.1 The bidding document consist of Parts 1, 2, and 3, which include all the sections indicated below, and should be read in conjunction with any Addenda issued in accordance with ITB 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
- Section VI - Fraud and Corruption

PART 2 Supply Requirements

- Section VII - Schedule of Requirements

PART 3 Contract

- Section VIII - General Conditions of Contract (GCC)
- Section IX - Special Conditions of Contract (SCC)
- Section X - Contract Forms

- 6.2 The Specific Procurement Notice, Request for Bids (RFB), issued by the Purchaser is not part of this bidding document.

- 6.3 Unless obtained directly from the Purchaser, the Purchaser is not responsible for the completeness of the document, responses to requests for clarification, the Minutes of the pre-Bid meeting (if any), or Addenda to the bidding document in accordance with ITB 8. In case of any contradiction, documents obtained directly from the Purchaser shall prevail.

- 6.4 The Bidder is expected to examine all instructions, forms, terms, and specifications in the bidding document and to furnish with its Bid all information or documentation as is required by the bidding document.

7. Clarification of Bidding Document

- 7.1 The electronic bidding system **specified in the BDS** provides for online clarifications. A Bidder requiring any clarification on the bidding document may notify the Purchaser online. Clarifications requested through any other mode shall not be considered by the

Purchaser. The Purchaser will respond to any request for clarification, provided that such request is received prior to the deadline for submission of Bids within a period specified **in the BDS**. Description of clarification sought and the response of the Purchaser shall be uploaded for information of all Bidders without identifying the source of request for clarification. Should the clarification result in changes to the essential elements of the bidding document, the Purchaser shall amend the bidding document following the procedure under ITB 8 and ITB 22.2. It is the bidder's responsibility to check on the e-procurement system, for any addendum/ amendment/ corrigendum to the bidding document.

8. Amendment of Bidding Document

- 8.1 At any time prior to the deadline for submission of Bids, the Purchaser may amend the bidding document by issuing addenda. The addendum will appear on the e-procurement system under "Latest Corrigendum" and email notification is also automatically sent to those bidders who have started working on the tender, or as **otherwise specified in BDS**.
- 8.2 Any addendum thus issued shall be part of the bidding document and shall be deemed to have been communicated to all the bidders.
- 8.3 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 22.2.

C. Preparation of Bids

9. Cost of Bidding

- 9.1 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.

10. Language of Bid

- 10.1 The Bid, as well as all correspondence and documents relating to the Bid exchanged by the Bidder and the Purchaser, shall be written in English. 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 English language, in which case, for purposes of interpretation of the Bid, such translation shall govern.

11. Documents Comprising the Bid

- 11.1 The Bid shall comprise two Parts, namely the Technical Part and the Financial Part. These two Parts shall be submitted simultaneously.
- 11.2 The Technical Part shall contain the following:
 - (a) **Letter of Bid – Technical Part** prepared in accordance with ITB 12;

- (b) **Bid Security**, in accordance with ITB 19.1;
- (c) **Alternative Bid – Technical Part**: if permissible, in accordance with ITB 13, the Technical Part of any Alternative Bid;
- (d) **Authorization**: written confirmation authorizing the signatory of the Bid to commit the Bidder, in accordance with ITB 20.3, and in accordance with ITB 20.4 in case of a JV;
- (e) **Qualifications**: documentary evidence in accordance with ITB 17 establishing the Bidder's qualifications to perform the Contract if its Bid is accepted;
- (f) **Bidder's Eligibility**: documentary evidence in accordance with ITB 17 establishing the Bidder's eligibility to bid;
- (g) **Eligibility of Goods and Related Services**: documentary evidence in accordance with ITB 16, establishing the eligibility of the Goods and Related Services to be supplied by the Bidder;
- (h) **Conformity**: documentary evidence in accordance with ITB 16, that the Goods and Related Services conform to the bidding document;
- (i) **Manufacturer's authorization**: as required in the prescribed format;
- (j) Bids submitted by a JV (where permitted) shall include a copy of the Joint Venture Agreement entered into by all members. Alternatively, a letter of intent to execute a Joint Venture Agreement in the event of a successful bid shall be signed by all members and submitted with the Bid, together with a copy of the proposed Agreement; and
- (k) any other document required **in the BDS**.

11.3 The **Financial Part** shall contain the following:

- a) **Letter of Bid – Financial Part**: prepared in accordance with ITB 12 and ITB 14;
- b) **Price Schedules**: completed prepared in accordance with ITB 12 and ITB 14;
- c) **Alternative Bid - Financial Part**; if permissible in accordance with ITB 13, the Financial Part of any Alternative Bid; and
- d) any other document **required in the BDS**.

11.4 The Technical Part shall not include any financial information related to the Bid price. Where material financial information

related to the Bid price is contained in the Technical Part, the Bid shall be declared non-responsive.

11.5 The Bidder shall furnish in the Letter of Bid information on commissions and gratuities, if any, paid or to be paid to agents or any other party relating to this Bid.

12. Process of Bid Submission

12.1. The Letter of Bid – Technical Part, Letter of Bid – Financial Part, and Price Schedules shall be prepared using the relevant forms furnished in Section IV, Bidding Forms. The forms must be completed without any alterations to the text, and no substitutes shall be accepted except as provided under ITB 20.3. All blank spaces shall be filled in with the information requested.

12.2. Entire Bid including the Letter of Bid and filled-up Price Schedules shall be submitted online on e-procurement system specified in ITB 7.1. Details and process of online submission of the tender and relevant documents are given in the website mentioned above. Scanned copies of documents listed in clauses 11 and 12.3 should also be uploaded on this website.

12.3. **Submission of Original Documents:** The bidders are required to separately submit (i) original demand drafts towards the cost of bid document and registration on e-procurement website (if not previously registered) (as per RFB); and (ii) original bid security in approved form, with the office **specified in the BDS**, before the opening of the Bid, either by registered/speed post/courier or by hand, failing which the bids will be declared non-responsive and will not be opened. Hard copy of rest of the bid is not to be submitted.

13. Alternative Bids

13.1. Unless otherwise specified **in the BDS**, Alternative Bids shall not be considered.

14. Bid Prices and Discounts

14.1 The prices and discounts quoted by the Bidder in the Letter of Bid – Financial Part and in the Price Schedules shall conform to the requirements specified below.

14.2 All lots (contracts) and items must be listed and priced separately in the Price Schedules.

14.3 The price to be quoted in the Letter of Bid– Financial Part, in accordance with ITB 12.1 shall be the total price of the Bid, excluding any discounts offered.

14.4 The Bidder shall quote any unconditional discounts and indicate the methodology for their application in the Letter of Bid – Financial Part, in accordance with ITB 12.1.

14.5 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 nonresponsive and shall be rejected, pursuant to ITB 31. 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.

- 14.6 If so specified in ITB 1.1, Bids are being invited for individual lots (contracts) or for any combination of lots (packages). Unless otherwise specified **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 discounts for the award of more than one Contract shall specify in their Bid the price reductions applicable to each package, or alternatively, to individual Contracts within the package. Discounts shall be submitted in accordance with ITB 14.4 provided the Bids for all lots (contracts) are submitted and opened at the same time.
- 14.7 The terms EXW 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**.
- 14.8 Prices shall be quoted as specified in each Price Schedule included in Section IV, Bidding Forms. The disaggregation 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:
- (i) the price of the Goods quoted EXW (ex-works, ex-factory, ex warehouse, ex showroom, or off-the-shelf, as applicable), including all duties (customs, excise etc.) 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 vat, 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 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, the price of each item comprising the Related Services (inclusive of any applicable taxes).

14.9 Deemed Export Benefits

Bidders may like to ascertain availability of excise or other duty exemption benefits, available for contracts financed under World Bank Credits/ Loans. They are solely responsible for obtaining such benefits, which they have considered in their bid and in case of failure to receive such benefits for reasons whatsoever, the Purchaser will not compensate the bidder.

Where the bidder has quoted taking into account such benefits, it must give all information required for issue of necessary Certificates in terms of the Central Excise Notification -108/95 along with its bid in form at Serial Number 7 of Section IV Bidding Forms. Where the Purchaser issues such Certificates, Excise Duty will not be reimbursed separately.

If the Bidder has considered the Deemed Export Benefits in its bid, the Bidder shall confirm and certify that the Purchaser will not be required to undertake any responsibilities of the deemed export scheme or the benefits available during contract execution except issuing the required certificates. Bids which do not conform to this provision or any condition by the Bidder which makes the bid subject to availability of deemed export benefits or compensation on withdrawal of or any variations in the deemed export benefits scheme will make the bid non responsive and hence liable to rejection.

15. Currencies of Bid and Payment

- 15.1 The Bidder shall quote the Price in Indian Rupees only.
- 15.2 Not Used.

16. Documents Establishing the Eligibility and Conformity of the Goods and Related Services

- 16.1 Not Used.
- 16.2 To establish the conformity of the Goods and Related Services to the bidding document, 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 VII, Schedule of Requirements.
- 16.3 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 Section VII, Schedule of Requirements.

- 16.4 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.
- 16.5 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 Section VII, Schedule of Requirements.

**17. Documents
Establishing the
Eligibility and
Qualifications of the
Bidder**

- 17.1 To establish Bidder's eligibility in accordance with ITB 4, Bidders shall complete the Letter of Bid – Technical Part, included in Section IV, Bidding Forms.
- 17.2 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**, the Bidder is or will be (if awarded the Contract) represented by an Agent 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;
 - (c) that the Bidder meets each of the qualification criterion specified in Section III, Evaluation and Qualification Criteria; and
 - (d) Supplies for any particular item in each schedule of the bid should be from one manufacturer only. Bids from agents offering supplies from different manufacturers for the same

item of the schedule in the bid will be treated as non-responsive.

18. Period of Validity of Bids

- 18.1. Bids shall remain valid for the Bid Validity period specified **in the BDS**. The Bid Validity period starts from the date fixed for the Bid submission deadline (as prescribed by the Purchaser in accordance with ITB 22.1). A Bid valid for a shorter period shall be rejected by the Purchaser as nonresponsive.
- 18.2. 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 19, 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 18.3.
- 18.3. If the award is delayed by a period exceeding fifty-six (56) days beyond the expiry of the initial Bid validity period, the Contract price shall be determined as follows:
- (a) in the case of fixed price contracts, the Contract price shall be the Bid price adjusted by the factor specified **in the BDS**;
 - (b) in the case of adjustable price contracts, no adjustment shall be made;
 - (c) in any case, Bid evaluation shall be based on the Bid price without taking into consideration the applicable correction from those indicated above.

19. Bid Security

- 19.1. The Bidder shall furnish as part of the Technical Part of its Bid, a Bid Security, as specified **in the BDS**, in original form and, in the amount specified **in the BDS**.
- 19.2. Not used.
- 19.3. If a Bid Security is specified pursuant to ITB 19.1, the Bid Security shall be a demand guarantee in any of the following forms at the Bidder's option:
- (a) an unconditional bank guarantee issued by a Nationalized/ Scheduled bank located in India;
 - (b) an irrevocable letter of credit issued by a Nationalized or Scheduled bank located in India;
 - (c) a cashier's or certified check or demand draft issued by a

Nationalized or Scheduled bank located in India; or

(d) another security specified **in the BDS**,

In the case of a bank guarantee, the Bid Security shall be submitted using the Bid Security Form included in Section IV, Bidding Forms. The Bid Security shall be valid for forty five (45) days beyond the original validity period of the Bid, or beyond any period of extension if requested under ITB 18.2.

19.4. If a Bid Security is specified pursuant to ITB 19.1, any Bid not accompanied by a Bid Security in accordance with ITB 19.3 shall be rejected by the Purchaser as non-responsive.

19.5. If a Bid Security is specified pursuant to ITB 19.1, the Bid Security of unsuccessful Bidders shall be returned as promptly as possible upon the successful Bidder's signing the Contract and furnishing the Performance Security pursuant to ITB 49.

19.6. If a Bid Security is specified pursuant to ITB 19.1, the Bid Security of the successful Bidder shall be returned as promptly as possible once the successful Bidder has signed the Contract and furnished the required Performance Security.

19.7. The Bid Security may be forfeited:

(a) if a Bidder withdraws its Bid during the period of Bid validity specified by the Bidder in the Letter of Bid (Technical Part and/or Financial Part), or any extension thereto provided by the Bidder; or

(b) if the Bidder does not accept the correction of its Bid Price pursuant to ITB 35; or

(c) if the successful Bidder fails to:

(i) sign the Contract in accordance with ITB 48; or

(ii) furnish a Performance Security in accordance with ITB 49.

19.8. The Bid Security of a JV must be in the name of the JV that submits the Bid. If the JV has not been legally constituted into a legally enforceable JV at the time of Bidding, the Bid Security shall be in the names of all future members as named in the letter of intent referred to in ITB 4.1 and ITB 11.2 (j).

19.9. Not used.

20. Format and Signing

20.1 The Bidder shall prepare the Bid as per details given in ITB 21.

of Bid

- 20.2 Bidders shall mark as “CONFIDENTIAL” information in their Bids which is confidential to their business.
- 20.3 The Bid shall be signed by a person duly authorized to sign on behalf of the Bidder. This authorization shall consist of a written confirmation as specified **in the BDS** and shall be uploaded along with the Bid.
- 20.4 In case the Bidder is a JV, the Bid shall be signed by an authorized representative of the JV on behalf of the JV, and so as to be legally binding on all the members as evidenced by a power of attorney signed by their legally authorized representatives. Documents establishing authority to sign the bid on behalf of the JV shall be uploaded along with the bid.
- 20.5 Corrections if any in the bid can be carried out by editing the information before electronic submission on e-procurement portal.

D. Online Submission of Bids**21. Preparation of Bids**

- 21.1. Bids shall be submitted online on the e-procurement system specified in BDS 7.1. Detailed guidelines for viewing bids and submission of online bids are given on the website. The Request for Bids under this Project is published on this website. Any citizen or prospective bidder can logon to this website and view the Request for Bids and can view the details of works for which bids are invited. A prospective bidder can submit its bid online; however, the bidder is required to have enrolment/registration in the website, and should have valid Digital Signature Certificate (DSC) in the form of smart card/e-token obtained from any authorised certifying agency of Government of India (for class of DSC **specified in BDS**). The bidder should register in the website using the relevant option available. Then the Digital Signature registration has to be done with the e-token, after logging into the website. The bidder can then login the website through the secured login by entering the password of the e-token & the user id/ password chosen during registration. After getting the bid schedules, the Bidder should go through them carefully and submit the specified documents, along with the bid, otherwise the bid will be rejected.
- 21.2. The completed bid comprising of documents indicated in ITB 12, should be uploaded on the e-procurement portal along with scanned copies of requisite certificates as are mentioned in different sections in the bidding document and scanned copy of the bid security.
- 21.3 All the documents are required to be signed digitally by the bidder. After electronic on line bid submission, the system generates a unique bid identification number which is time

stamped as per server time. This shall be treated as acknowledgement of bid submission.

21.4 Physical, e-mail, Telex, Cable, or Facsimile bids will be rejected as non-responsive.

22. Deadline for Submission of Bids

22.1. Bids must be uploaded online no later than the date and time specified **in the BDS**.

22.2. The Purchaser may, at its discretion, extend the deadline for the submission of Bids by amending the bidding document in accordance with ITB 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.

23. Late Bids

23.1. The electronic bidding system would not allow any late submission of bids after due date & time as per server time.

24. Withdrawal, Substitution, and Modification of Bids

24.1. Bidders may modify their bids by uploading their request for modification before the deadline for submission of bids. For this the bidder need not make any additional payment towards the cost of bid document. For bid modification and consequential re-submission, the bidder is not required to withdraw his bid submitted earlier. The last modified bid submitted by the bidder within the bid submission time shall be considered as the bid. For this purpose, modification/withdrawal by other means will not be accepted. In online system of bid submission, the modification and consequential re-submission of bids is allowed any number of times. A bidder may withdraw his bid by uploading the request before the deadline for submission of bids, however, if the bid is withdrawn, re-submission of the bid is not allowed (or allowed **if specified in BDS**).

24.2. Bids requested to be withdrawn in accordance with ITB 24.1 shall not be opened.

24.3. 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 Letter of Bid (Technical Part and/or Financial Part) or any extension thereof. This will result in the forfeiture of the Bid Security pursuant to ITB 19.7.

E. Public Opening of Technical Parts of Bids

25. Public Opening of Technical Parts of Bids

25.1. The Purchaser shall publicly open Technical Parts of all Bids received by the deadline at the date and time specified **in the BDS**, and this could also be viewed by the bidders online. The Financial Parts of the bids shall remain unopened in the e-procurement system, until the subsequent public opening, following

the evaluation of the Technical Parts of the Bids. In all cases, original documents submitted as specified in ITB 12.3 shall be first scrutinized, and Bids that do not comply with the provisions of ITB 12.3 will be declared non-responsive and will not be opened. Thereafter, the bidders' name and such other details as the Purchaser may consider appropriate shall be notified as Technical Part bid opening summary.

In the event of the specified date of bid opening being declared a holiday for the Purchaser, the bids will be opened at the appointed time and location on the next working day.

- 25.2. The electronic summary of the bid opening will be generated and uploaded online. The Purchaser will also prepare minutes of the Bid opening, including the information disclosed and upload the same for viewing online. Only Technical Parts of Bids, and alternative bids – technical parts if permitted in ITB 13, that are opened at Bid opening shall be considered further for evaluation

F. Evaluation of Bids – General Provisions

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| 26. Confidentiality | <p>26.1 Information relating to the evaluation of Bids and recommendation of contract award, shall not be disclosed to Bidders or any other persons not officially concerned with the Bidding process until the information on Intention to Award the Contract is transmitted to all Bidders in accordance with ITB 43.</p> <p>26.2 Any effort by a Bidder to influence the Purchaser in the evaluation or contract award decisions may result in the rejection of its Bid.</p> <p>26.3 Notwithstanding ITB 26.2, 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.</p> |
| 27. Clarification of Bids | <p>27.1 To assist in the examination, evaluation, comparison of the Bids, and qualification of the Bidders, 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, including any voluntary increase or decrease, 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 35.</p> |

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- 27.2 If a Bidder does not provide clarifications of its Bid by the date and time set in the Purchaser's request for clarification, its Bid may be rejected.
- 28. Deviations, Reservations, and Omissions**
- 28.1 During the evaluation of Bids, the following definitions apply:
- (a) "Deviation" is a departure from the requirements specified in the bidding document;
 - (b) "Reservation" is the setting of limiting conditions or withholding from complete acceptance of the requirements specified in the bidding document; and
 - (c) "Omission" is the failure to submit part or all of the information or documentation required in the bidding document.
- 29. Nonconformities, Errors and Omissions**
- 29.1 Provided that a Bid is substantially responsive, the Purchaser may waive any nonconformities or omissions in the Bid which do not constitute a material deviation, reservation or omission.
- 29.2 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 or substance of the Bid. Failure of the Bidder to comply with the request may result in the rejection of its Bid.
- 29.3 Provided that a Bid is substantially responsive, the Purchaser shall rectify quantifiable nonmaterial nonconformities related to the Bid Price. To this effect, the Bid Price shall be adjusted, for comparison purposes only, to reflect the price of a missing or non-conforming item or component in the manner specified in the BDS.

G. Evaluation of Technical Parts of Bids

- 30. Evaluation of Technical Parts**
- 30.1 In evaluating the Technical Parts of each Bid, the Purchaser shall use the criteria and methodologies listed in ITB 31, ITB 32, and Section III, Evaluation and Qualification Criteria. No other evaluation criteria or methodologies shall be permitted.
- 31. Determination of Responsiveness**
- 31.1 The Purchaser's determination of a Bid's responsiveness is to be based on the contents of the Bid itself, as defined in ITB 11.
- 31.2 A substantially responsive Bid is one that meets the requirements of the bidding document without material deviation, reservation, or omission. A material deviation, reservation, or omission is one

that:

- (a) if accepted, would:
 - (i) affect in any substantial way the scope, quality, or performance of the Goods and Related Services specified in the Contract; or
 - (ii) limit in any substantial way, inconsistent with the bidding document, the Purchaser's rights or the Bidder's obligations under the Contract; or
- (b) if rectified, would unfairly affect the competitive position of other Bidders presenting substantially responsive Bids.

31.2.1 Bids from Agents, without proper authorization from the manufacturer as per Section IV, shall be treated as non-responsive.

31.3 The Purchaser shall examine the bids to confirm that all documents and technical documentation requested in ITB 11 have been provided, and to determine the completeness of each document submitted.

31.3.1 The Purchaser shall examine the technical aspects of the Bid submitted in accordance with ITB 16 and ITB 17, in particular, to confirm that all requirements of Section VII, Schedule of Requirements have been met without any material deviation or reservation, or omission.

31.3.2 The Purchaser shall examine the bid to confirm that the Bidder has accepted all terms and conditions specified in GCC and the SCC without material deviations or reservations. Deviations from or objections or reservations to critical provisions such as those concerning Performance Security (GCC Clause 18). Warranty (GCC Clause 28), Force Majeure (GCC Clause 32), Limitation of liability (GCC Clause 30), Governing law (GCC Clause 9) and Taxes & Duties (GCC Clause 17) will be deemed to be a material deviation. The Purchaser's determination of a bid's responsiveness is to be based on the contents of the bid itself without recourse to extrinsic evidence.

31.4 If a Bid is not substantially responsive to the requirements of bidding document, it shall be rejected by the Purchaser and may not subsequently be made responsive by correction of the material deviation, reservation, or omission.

32. Qualification of the Bidders

32.1 The Purchaser shall determine, to its satisfaction, whether all eligible Bidders, whose Bids have been determined to be substantially responsive to the bidding document, meet the Qualification Criteria specified in Section III, Evaluation and

Qualification Criteria.

- 32.2 The determination shall be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, pursuant to ITB 17. The determination shall not take into consideration the qualifications of other firms such as the Bidder's subsidiaries, parent entities, affiliates, subcontractors (other than specialized subcontractors if permitted in the bidding document), or any other firm(s) different from the Bidder.
- 32.3 If a Bidder does not meet the qualifying criteria specified in Section III, Evaluation and Qualification Criteria, its Bid shall be rejected by the Purchaser and may not subsequently be made responsive by correction of the material deviation, reservation, or omission.
- 32.4 Only Bids that are both substantially responsive to the bidding document, and meet all Qualification Criteria shall have the Financial Parts of their Bids opened at the second public opening.

H. Public Opening of Financial Parts of Bids

33. Public Opening of Financial Parts

- 33.1 Following the completion of the evaluation of the Technical Parts of the Bids, and the Bank has issued its no objection (if applicable), the Purchaser shall notify in writing those Bidders who have failed to meet the Qualification Criteria and/or whose Bids were considered non-responsive to the requirements in the bidding document, advising them of the following information:
- (a) their Technical Part of Bid failed to meet the requirements of the bidding document;
 - (b) their Financial Part of the Bid shall not be opened; and
 - (c) notify them of the date and time for public opening of the Financial Parts of the Bids.
- 33.2 The Purchaser shall, simultaneously, notify in writing those Bidders whose Technical Parts have been evaluated as substantially responsive to the bidding document and met the Qualification Criteria, advising them of the following information:
- (a) their Bid has been evaluated as substantially responsive to the bidding document and met the Qualification Criteria;
 - (b) their Financial Part of Bid will be opened at the public opening of Financial Parts;
 - (c) notify them of the date and time of the second public opening of the Financial Parts of the Bids, as **specified in the BDS**.

33.3 The opening date should allow Bidders sufficient time to make arrangements for attending the opening. The Financial Part of the Bid shall be opened publicly in the presence of Bidders' designated representatives and anyone who chooses to attend, and this could also be viewed by the bidders online. The bidder's names, the Bid prices, the total amount of each bid, including any discounts and Alternative Bid – Financial Part, and such other details as the Purchaser may consider appropriate will be notified online by the Purchaser at the time of bid opening.

In the event of the specified date of bid opening being declared a holiday for the Purchaser, the bids will be opened at the appointed time and location on the next working day.

33.4 The electronic summary of the bid opening will be generated and uploaded online. The Purchaser will also prepare minutes of the Bid opening, including the information disclosed and upload the same for viewing online. Only Financial Part of Bids, Financial Parts of Alternative Bids and discounts that are opened and read out at Bid opening shall be considered further for evaluation.

I. Evaluation of Financial Parts of Bids

34. Evaluation of Financial Parts

34.1 To evaluate the Financial Part of each Bid, the Purchaser shall consider the following:

- (a) evaluation will be done for Items or Lots (contracts), as specified **in the BDS**; and the Bid Price as quoted in accordance with ITB 14;
- (b) Not used;
- (c) price adjustment due to discounts offered in accordance with ITB 14.4;
- (d) Not used;
- (e) price adjustment due to quantifiable nonmaterial nonconformities in accordance with ITB 29.3; and
- (f) the additional evaluation factors specified in Section III, Evaluation and Qualification Criteria.

34.2 The estimated effect of the price adjustment provisions of the Conditions of Contract, applied over the period of execution of the Contract, shall not be taken into account in Bid evaluation.

34.3 If this bidding document allows Bidders to quote separate prices for different lots (contracts), the methodology to determine the lowest evaluated cost of the lot (contract) combinations, including any discounts offered in the Letter of Bid - Financial Part, is specified in

Section III, Evaluation and Qualification Criteria.

- 34.4 The Purchaser's evaluation of a Bid will exclude and not take into account:
- (a) in the case of Goods manufactured in India or goods of foreign origin already located in India, vat, sales and other similar taxes, which will be payable on the goods if a contract is awarded to the Bidder;
 - (b) Not used;
 - (c) any allowance for price adjustment during the period of execution of the contract, if provided in the Bid.
- 34.5 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 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 the BDS** from amongst those set out in Section III, Evaluation and Qualification Criteria. The criteria and methodologies to be used shall be as specified in ITB 34.1 (f).
- 35. Correction of Arithmetical Errors** 35.1 The e-procurement system automatically calculates the total amount from unit rates and quantities and the system also automatically populates the amount in words from the amount in figures and therefore there is no scope of discrepancy and need for arithmetic correction.
- 36. Conversion to Single Currency** 36.1 Not applicable.
- 37. Margin of Preference** 37.1 Not applicable.
- 38. Comparison of Financial Parts** 38.1 The Purchaser shall compare the evaluated costs of all substantially responsive Bids established in accordance with ITB 34.1 to determine the Bid that has the lowest evaluated cost.
- 39. Abnormally Low Bids**
- 39.1 An Abnormally Low Bid is one where the Bid price, in combination with other constituent elements of the Bid, appears unreasonably low to the extent that the Bid price raises material concerns with the Purchaser as to the capability of the Bidder to perform the Contract for the offered Bid price.
 - 39.2 In the event of identification of a potentially Abnormally Low Bid, the Purchaser, unless otherwise **specified in the BDS**, shall seek written clarification from the Bidder, including a detailed

price analyses of its Bid price in relation to the subject matter of the contract, scope, delivery schedule, allocation of risks and responsibilities and any other requirements of the bidding document.

39.3 After evaluation of the price analyses, in the event that the Purchaser determines that the Bidder has failed to demonstrate its capability to perform the contract for the offered Bid price, the Purchaser shall reject the Bid.

40. Most Advantageous Bid

40.1 Having compared the evaluated costs of Bids, the Purchaser shall determine the Most Advantageous Bid. The Most Advantageous Bid is the Bid of the Bidder that meets the Qualification Criteria and whose Bid has been determined to be:

- (a) substantially responsive to the bidding document, and
- (b) the lowest evaluated cost.

41. Purchaser's Right to Accept Any Bid, and to Reject Any or All Bids

41.1 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. In case of annulment, all documents submitted and specifically, bid securities, shall be promptly returned to the Bidders.

42. Standstill Period

42.1 The Contract shall be awarded not earlier than the expiry of the Standstill Period. The duration of the Standstill Period is **specified in the BDS**. Where only one Bid is submitted, the Standstill Period shall not apply.

43. Notice of Intention to Award

43.1 When a Standstill Period applies, it shall commence when the Purchaser has transmitted to each Bidder (that has not already been notified that it has been unsuccessful) the Notification of Intention to Award the Contract to the successful Bidder. The Notification of Intention to Award shall contain, at a minimum, the following information:

- (a) the name and address of the Bidder submitting the successful Bid;
- (b) the Contract price of the successful Bid;
- (c) the names of all Bidders who submitted Bids, and their Bid prices as readout, and as evaluated;
- (d) a statement of the reason(s) the Bid (of the unsuccessful Bidder to whom the letter is addressed) was unsuccessful, unless the price information in (c) above already reveals the reason;
- (e) the expiry date of the Standstill Period;
- (f) instructions on how to request a debriefing and/or submit a complaint during the standstill period

J. Award of Contract

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| 44. Award Criteria | 44.1 | Subject to ITB 41, the Purchaser shall award the Contract to the successful Bidder. This is the Bidder whose Bid has been determined to be the Most Advantageous Bid as specified in ITB 40. |
| 45. Purchaser's Right to Vary Quantities at Time of Award | 45.1 | 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 VII, 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 document. |
| 46. Notification of Award | 46.1 | Prior to the expiration of the Bid Validity Period and upon expiry of the Standstill Period, specified in BDS ITB 42.1 or any extension thereof, or upon satisfactorily addressing a complaint that has been filed within the Standstill Period, the Purchaser shall transmit the Letter of Acceptance to the successful Bidder. The Letter of Acceptance shall specify the sum that the Purchaser will pay the Supplier in consideration of the execution of the Contract (hereinafter and in the Conditions of Contract and Contract Forms called "the Contract Price"). |
| | 46.2 | At the same time, the Purchaser shall publish the Contract Award Notice which shall contain, at a minimum, the following information: <ul style="list-style-type: none"> (a) name and address of the Purchaser; (b) name and reference number of the contract being awarded, and the selection method used; (c) names of all Bidders that submitted Bids, and their Bid prices as read out at Bid opening, and as evaluated; (d) names of all Bidders whose Bids were rejected either as nonresponsive or as not meeting qualification criteria, or were not evaluated, with the reasons therefor; and (e) the name of the successful Bidder, the final total contract price, the contract duration and a summary of its scope. |
| | 46.3 | The Contract Award Notice shall be published on a National website (GoI website http://tenders.gov.in) or on the Purchaser's website with free access if available, or in the official gazette. |
| | 46.4 | Until a formal Contract is prepared and executed, the Letter of Acceptance shall constitute a binding Contract. |
| 47. Debriefing by the Purchaser | 47.1 | On receipt of the Purchaser's Notification of Intention to Award referred to in ITB 43.1, an unsuccessful Bidder has three (3) Business Days to make a written request to the Purchaser for a debriefing. The Purchaser shall provide a debriefing to all unsuccessful Bidders whose request is received within this deadline. |

- 47.2 Where a request for debriefing is received within the deadline, the Purchaser shall provide a debriefing within five (5) Business Days, unless the Purchaser decides, for justifiable reasons, to provide the debriefing outside this timeframe. In that case, the standstill period shall automatically be extended until five (5) Business Days after such debriefing is provided. If more than one debriefing is so delayed, the standstill period shall not end earlier than five (5) Business Days after the last debriefing takes place. In any case, irrespective of the circumstances, all debriefings shall be completed within 10 business days. The Purchaser shall promptly inform, by the quickest means available, all Bidders of the extended standstill period
- 47.3 Where a request for debriefing is received by the Purchaser later than the three (3)-Business Day deadline, the Purchaser should provide the debriefing as soon as practicable, and normally no later than fifteen (15) Business Days from the date of publication of Public Notice of Award of contract. Requests for debriefing received outside the three (3)-day deadline shall not lead to extension of the standstill period.
- 47.4 Debriefing of unsuccessful Bidders may be done in writing or verbally. The debriefing will cover only the bid of particular bidder requesting the debriefing, and not the bids of the competitors. The Bidder shall bear its own costs of attending such a debriefing meeting.

48. Signing of Contract

- 48.1 Promptly upon Notification of Award, the Purchaser shall send the successful Bidder the Contract Agreement.
- 48.2 Within twenty-one (21) days of receipt of the Contract Agreement, the successful Bidder shall (a) furnish the performance security in accordance with ITB 49; (b) if the successful bidder is a JV (where JVs are permitted), it shall also furnish the JV agreement duly signed by all the members, if it had submitted only a letter of intent to execute the JV agreement along with the bid; and (c) shall sign, date, and return the Contract Agreement to the Purchaser along with the documents listed at (a) and (b) above.
- 48.3 Not applicable

49. Performance Security

- 49.1 Within twenty-one (21) days of the receipt of Letter of Acceptance from the Purchaser, the successful Bidder, if required, shall furnish the Performance Security in accordance with the GCC 18, using for that purpose the Performance Security Form included in Section X, Contract Forms. The performance security of a Joint Venture shall be in the name of

the Joint Venture specifying the names of all members.

- 49.2 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. In that event the Purchaser may award the Contract to the Bidder offering the next Most Advantageous Bid.

Section II - Bid 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 Reference	A. General
ITB 1.1	<p>The reference number of the Request for Bids (RFB) is : IN-IWT-120898-GO-RFB</p> <p>The Purchaser is: <u>Assam Inland Water Transport Development Society</u></p> <p>The name of the RFB is: Supply, Installation & Commissioning of 3 NOS. Shore Station based Search & Rescue cum Surveillance Boats.</p> <p>The number and identification of lots (contracts) comprising this RFB is: One</p>
ITB 1.2(a)	The Purchaser shall use the electronic-procurement system specified in BDS 7.1 to manage this Bidding process.
ITB 2.1	<p>The Borrower is: Government of India. Government of India on behalf of Govt of Assam has applied for a loan of US \$120 to implement Assam Inland Water Transport Project.</p> <p>Loan or Financing Agreement amount US\$120 million</p> <p>The name of the Project is: <i>Assam Inland Water Transport Project</i></p>
ITB 4.1	Bids from Joint Ventures are not permitted
ITB 4.5	A list of debarred firms and individuals is available on the Bank's external website: http://www.worldbank.org/debarr .
	B. Contents of Bidding Document
ITB 7.1	<p>Electronic –Procurement System</p> <p>The Purchaser shall use the following electronic-procurement system to manage this Bidding process: www.assamtenders.gov.in</p> <p>Requests for clarification should be received by the Purchaser no later than 14 days prior to the deadline for submission of bids</p>
ITB 7.2	<p>Add the following as clause 7.2:</p> <p>Pre Bid meeting: - The bidder or bidder's authorized representative is invited to attend a pre bid meeting which will take place as per details given below: -</p>

	<p>Date: 8th July, 2019 Time: 1400 hrs (IST)</p> <p>Venue: Office of Assam IWT Development Society, 3rd Floor of Directorate of Inland Water Transport, Assam, Ulubari, Guwahati – 781007</p> <p>Email : dir.iwtds-as@gov.in</p> <p>Tel: +91 361 2462677</p> <p>Non-attendance at the pre bid meeting will not be a cause for disqualification of a bidder. The person attending the pre bid conference should have valid authorization from the authorized signatory of the prospective bidder. The prospective Bidders shall intimate the name of representative(s) (not more than two from one organization) to the above e-mail ID latest by 10.00 Hrs(IST). on 8th July, 2019 for confirmation.</p>
ITB 8.1	The addendum will appear on the e-procurement system under <i>Latest Corrigendum</i> and email notification is also automatically sent to those bidders who have started working on this tender.
	C. Preparation of Bids
ITB 11.2 (k)&ITB 11.3 (d)	<ul style="list-style-type: none"> (i) The Bidder shall submit the following additional documents in its Bid: Manufacturer's authorizations required in the prescribed format; mentioned in 11.2(i) (ii) A list of all essential equipment suppliers, including contact details; (iii) Specifications, catalogues, brochures, leaflets and other similar documents for all essential machinery, equipment and outfit items; (iv) General Arrangement plans showing the proposed layout of the vessel(s) below decks, on the main, and other decks; (v) Details of estimated tonnages, including lightweight, deadweight, payload, net and gross tonnages; (vi) Details and specifications of main propulsion and auxiliary machinery including power calculations taking into account the characteristics of the vessels at maximum displacement; (vii) Estimates of hourly fuel consumption of all diesel propulsion machinery, taking into account the vessel characteristics at maximum displacement when running at Maximum Continuous Rating (MCR); at 85% of MCR; and at 50% of MCR; (viii) Detail of the shipyard or place where the vessels shall be constructed along with the facilities and equipment therein. Details of proven design of the similar type of vessels previously built. In the case that proven design(s) are unavailable, the supplier shall provide an undertaking to conduct model testing before the commencement of production. (ix) A description of approach, methodology and work plan for

	<p>performing the assignment.</p> <p>(x) Preliminary stability calculations including stability against high beam wind combined with passenger crowding to one side</p> <p>(xi) Type approval certificate of main engine, gear box and diesel generator from any IACS member class society, as applicable under class rules</p> <p>(xii) Electrical load chart for different operational modes is to be submitted in justification of DG set offered.</p>
ITB 12	Note for Bidders: Bidders have to submit the bids on the e-procurement portal along with the relevant required documents. For this purpose, the bidders shall fill up including price schedules, the forms that are available for online filling on the e-portal. The rest of the forms shall be download by the bidders and filled up. The filled up pages shall then be scanned and uploaded on the e-procurement portal along with the scanned copies of the supporting documents.
ITB 12.3	<p>For submission of original documents, the Purchaser's address is:</p> <p>Deputy State Project Director Assam Inland Water Transport Development Society DIWT Office, Ulubari, Guwahati Email: dir.iwtds-as@gov.in</p>
ITB 13.1	Alternative Bids Shall not be considered.
ITB 14.5	The prices quoted by the Bidder shall not be subject to adjustment during the performance of the Contract. If prices shall be adjustable, the methodology specified in Special Conditions of Contract will apply.
ITB 14.7	The Incoterms edition is Incoterms 2010 or latest
ITB 14.8 (a)(iii)	Final Destination (Project Site): Safely afloat and moored in a clean and orderly condition, ready for service at Guwahati, Assam, India.
ITB 16.4	Period of time the Goods are expected to be functioning (for the purpose of spare parts) shall be twenty years. Average annual usage shall be 1500 hours:
ITB 17.2 (a)	Manufacturer's authorization is: required as per proforma in Section IV
ITB 17.2 (b)	After sales service is: required. After sales service wherever required, shall be provided by the Supplier or alternatively by its Agent in case of a foreign bidder.
ITB 18.1	The Bid validity period shall be 90 days.
ITB 18.3 (a)	<p>The Bid price shall be adjusted by the following factor:</p> <p>Local Currency i.e INR: The factor shall be 1.0007692 per week.</p>

ITB 19.1	A Bid Security <i>shall be</i> required. The Bid Security amount shall be INR 11,40,000/ (Rupees eleven lakhs forty thousand) only
ITB 19.3 (d)	Other types of acceptable securities are: None
ITB 20.3	The written confirmation of authorization to sign on behalf of the Bidder shall consist of: Power of Attorney in Non-Judicial Stamp Paper.
D. Online Submission of Bids	
ITB 21.1	Class of DSC required is:Class-II
ITB 22.1	The deadline for uploading the Bids is: Date:29.07.2019 Time:14:00HRS
ITB 24.1	Replace ITB 24.1 with the following: “24.1. Bidders may modify their bids by using appropriate option for bid modification on the e-procurement portal, before the deadline for submission of bids. For this the bidder need not make any additional payment towards the cost of bid document. For bid modification and consequential re-submission, the bidder is not required to withdraw his bid submitted earlier. The last modified bid submitted by the bidder within the bid submission time shall be considered as the Bid. For this purpose, modification/withdrawal by other means will not be accepted. In online system of bid submission, the modification and consequential re-submission of bids is allowed any number of times. A bidder may withdraw his bid by using appropriate option for bid withdrawal, before the deadline for submission of bids, however, if the bid is withdrawn, re-submission of the bid is allowed
E. Public Opening of Technical Parts of Bids	
ITB 25.1	The online Bid opening shall take place on: Date:1 st August,2019 Time:15:00HRS
F. Evaluation of Bids – General Provisions	
ITB 29.3	The adjustment shall be based on the highest price of the item or component as quoted in other substantially responsive Bids, subject to a maximum of the estimated price of the item. If the price of the item or component cannot be derived from the price of other substantially

	responsive Bids, the Purchaser shall use its best estimate.
H. Public Opening of Financial Parts of Bids	
ITB 33.2 (c)	<p>Following the completion of the evaluation of the Technical Parts of the Bids, the Purchaser will notify all Bidders of the date and time of the public opening of Financial Parts.</p> <p>In addition to the above the Purchaser shall publish a notice of the public opening of the Financial Parts of the Bid on its website www.aiwtdsociety.in & www.iwtdirectorate.assam.gov.in</p>
I. Evaluation of Financial Parts of Bids	
ITB 34.1(a)	<p>Evaluation will be done for Item (Contracts):Bids will be evaluated for all the items together and the Contract will comprise the item(s) awarded to the successful Bidder</p> <p>Note:</p> <p>Bids will be evaluated for all the items together and the Contract will comprise the item(s) awarded to the successful Bidder.</p>
ITB 34.5	<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) <i>Deviation in payment schedule: No</i> (c) <i>the cost of major replacement component, mandatory spare parts, and service: No</i> (d) the availability in the Purchaser's Country of spare parts and after-sales services for the equipment offered in the Bid: Yes. If the bidder quotes separately for setting up of the above services, then this cost will be added for the evaluation purpose. In case the spares and after-sale services are not available then such a bid will be summarily rejected. (e) the projected operating and maintenance costs during the life of the equipment: No (f) the performance and productivity of the equipment offered: No (g) The Cost of After Sales Services: No (h) Life cycle costs: the costs during the life of the goods or equipment: <i>NO</i> (i) the performance and productivity of the equipment offered: <i>No</i>.
ITB 39.2	Provisions related to Abnormally Low Bids do not apply.

ITB 42.1 Standstill Period	The Standstill Period is 10 Business Days from the date the Purchaser has transmitted to all Bidders that submitted Bids, the Notification of its Intention to Award the Contract to the successful Bidder.
	J. Award of Contract
ITB 45	The maximum percentage by which quantities may be increased is: 33% The maximum percentage by which quantities may be decreased is: 33%

Section III -Evaluation and Qualification Criteria

This Section contains the criteria that the Purchaser shall use to evaluate a Bid and qualify the Bidders. No other factors, methods or criteria shall be used other than specified in this bidding document.

Most Advantageous Bid

The Purchaser shall use the criteria and methodologies listed in Section 2 and 3 below to determine the Most Advantageous Bid. The Most Advantageous Bid is the Bid of the Bidder that meets the qualification criteria and whose Bid has been determined to be:

- (a) substantially responsive to the bidding document; and
- (b) the lowest evaluated cost.

TECHNICAL PART**1. Qualification (ITB 32)****1.1 Qualification Criteria (ITB 32.1)**

The Purchaser shall assess each Bid against the following Qualification Criteria. Requirements not included in the text below shall not be used in the evaluation of the Bidder's qualifications.

- (a) If the Bidder is a manufacturer:

- (i) Financial Capability

The Bidder shall furnish documentary evidence that it meets the following financial requirement(s):

1. The Bidder should have an average annual turnover of not less than INR 30 Million for the preceding 3 financial years. Audited copies of Balance Sheets showing turnover, Profit & Loss account of the firm for the preceding financial 3 years (2017-18, 2016-17, 2015-16) should be submitted along with the tender document.
2. The Bidder should provide a Solvency Certificate(s) from any Nationalized or Scheduled Commercial Bank in India or issued by a reputed foreign Bank and routed through a correspondent Bank (Nationalized or Scheduled commercial Bank in India) for an aggregate sum of not less than INR 15 million.

- (ii) Experience and Technical Capacity

The Bidder shall furnish documentary evidence to demonstrate that it meets the following experience requirement(s):

- a. The single entity bidder is an established vessel manufacturer having all the necessary technical experience and having their own manufacturing facility of vessels/ships for past 7 years or more. The Bidder should be competent and have the experience in manufacturing vessels.

b. Manufactured below mentioned goods in the last 7 years fulfilling the following criteria:

1. Successfully manufactured and delivered at least 2 nos. propelled Vessels under an IACS full member class society of length 10 metres and more. AND
2. Has successfully manufactured and delivered 2 nos. vessels having proven design for Search and Rescue (SAR) operations, which are fully operational as a professional Rescue craft built to standards.

(iii) Documentary Evidence

The Bidder shall furnish documentary evidence to demonstrate that the Goods it offers meet the following usage requirement: stated in Section VII of the bid document.

(iv) Past Supplies

The Bidders must furnish details of supplies made by him in the last five years in proforma attached in Section IV.

(b) If Bidder is not manufacturer:

(i) Financial Capability

The Bidder shall furnish documentary evidence that it meets the following financial requirement(s):

1. The Bidder should have an average annual turnover of not less than INR 30 Million for the preceding 3 financial years. Audited copies of Balance Sheets showing turnover, Profit & Loss account of the firm for the preceding financial 3 years (2017-18, 2016-17, 2015-16) should be submitted along with the tender document.
2. The Bidder should provide a Solvency Certificate(s) from any Nationalized or Scheduled Commercial Bank in India or issued by a reputed foreign Bank and routed through a correspondent Bank (Nationalized or Scheduled commercial Bank in India) for an aggregate sum of not less than INR 15 million.

(ii) Experience and Technical Capacity

If a Bidder is not a manufacturer, but is offering the Goods on behalf of the Manufacturer under Manufacturer's Authorization Form (Section IV, Bidding Forms), the Manufacturer shall demonstrate the above

qualifications a (i), a (ii), a (iii), a (iv) and the Bidder shall demonstrate that it has successfully supplied below mentioned goods in the past 07 years fulfilling the following criteria:

1. Has successfully delivered at least 2 nos. propelled Vessels under an IACS full member class society of length 10 metres and more. AND
2. Has successfully delivered 2 nos. vessels having proven design for Search and Rescue (SAR) operations, which are fully operational as a professional Rescue craft built to standards.

(iii) Documentary Evidence

The Bidder shall furnish documentary evidence to demonstrate that the Goods it offers meet the following usage requirement: stated in Section VII of the bid document.

(iv) Past Supplies

The Bidders must furnish details of supplies made by him in the last five years in proforma attached in Section IV.

FINANCIAL PART

2. Margin of Preference (ITB 37) – Not Applicable

3. Evaluation (ITB 30, 31, and 34)

3.1. Evaluation Criteria (ITB 34.5)

The Purchaser shall use the criteria and methodologies listed in this Section to evaluate Bids. By applying the criteria and methodologies the Purchaser shall determine the Most Advantageous Bid. This is the Bid that meets the Qualification Criteria and has been determined to be:

- (a) substantially responsive to the bidding document, and
- (b) the lowest evaluated cost.

The Purchaser's evaluation of a Bid may take into account, in addition to the Bid Price quoted in accordance with ITB 14.8, one or more of the following factors as specified in ITB34.1(f) and in BDS referring to ITB34.5, using the following criteria and methodologies.

- (a) Delivery schedule. (As per Incoterms specified in the BDS) : Not Applicable
- (b) Deviation in payment schedule : Not Applicable
- (c) Cost of major replacement components, mandatory spare parts, and service. : *Not Applicable*
- (d) Availability in the Purchaser's Country of spare parts and after sales services for equipment offered in the Bid.

An adjustment equal to the cost to the Purchaser of establishing the minimum service facilities and parts inventories if quoted separately, shall be added to the Bid price, for evaluation purposes only.

- (e) Life Cycle Costs : Not Applicable
- (f) Performance and productivity of the equipment: *Not Applicable*
- (g) Specific additional criteria : None

3.2. Multiple Contracts (ITB 34.3) – *Not Applicable*:

3.3. Alternative Bids (ITB 13.1): Not Permitted

Section IV -Bidding Forms

1A. Letter of Bid – Technical Part

INSTRUCTIONS TO BIDDERS: DELETE THIS BOX ONCE YOU HAVE COMPLETED THE DOCUMENT

The Bidder must prepare this Letter of Bid on stationery with its letterhead clearly showing the Bidder's complete name and business address.

Note: *All italicized text is to help Bidders in preparing this form.*

No alterations to the text except as provided in ITB 20.3, shall be permitted and no substitutions shall be accepted except as provided in ITB 12.

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

RFB No.: *[insert number of RFB process]*

Request for Bid No.: *[insert identification]*

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

To: *[insert complete name of Purchaser]*

- (a) **No reservations:** We have examined and have no reservations to the bidding document, including Addenda issued in accordance with Instructions to Bidders (ITB 8);
- (b) **Eligibility:** We meet the eligibility requirements and have no conflict of interest in accordance with ITB 4;
- (c) **Conformity:** We offer to supply in conformity with the bidding document and in accordance with the Delivery Schedules specified in the Schedule of Requirements the following Goods: *[insert a brief description of the Goods and Related Services]*;
- (d) **Bid Validity Period:** Our Bid shall be valid for the period specified in BDS 18.1 (as amended, if applicable) from the date fixed for the Bid submission deadline specified in BDS 22.1 (as amended, if applicable), and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- (e) **Performance Security:** If our Bid is accepted, we commit to obtain a performance security in accordance with the bidding document;
- (f) **One Bid per Bidder:** We are not submitting any other Bid(s) as an individual Bidder, and we are not participating in any other Bid(s) as a Joint Venture member, or as a subcontractor, and meet the requirements of ITB 4.3, other than alternative Bids submitted in accordance with ITB 13;
- (g) **Suspension and Debarment:** We, along with any of our subcontractors, suppliers, consultants, manufacturers, or service providers for any part of the contract, are not subject to, and not controlled by any entity or individual that is subject to, a temporary suspension or a debarment imposed by the World Bank Group or a debarment imposed

by the World Bank Group in accordance with the Agreement for Mutual Enforcement of Debarment Decisions between the World Bank and other development banks. Further, we are not ineligible under the Purchaser's Country laws or official regulations or pursuant to a decision of the United Nations Security Council;

- (h) **State-owned enterprise or institution:** We are not a state-owned enterprise or institution/ We are a state-owned enterprise or institution but meet the requirements of ITB 4.6;
- (i) **Binding Contract:** We understand that this Bid, together with your written acceptance thereof included in your Letter of Acceptance, shall constitute a binding contract between us, until a formal contract is prepared and executed;
- (j) **Purchaser Not Bound to Accept:** We understand that you are not bound to accept the lowest evaluated cost Bid, the Most Advantageous Bid or any other Bid that you may receive;
- (k) **Fraud and Corruption:** We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf engages in any type of Fraud and Corruption; and
- (l) We also undertake that, in competing for (and, if the award is made to us, in executing) the above contract, we will strictly observe the laws against fraud and corruption in force in India on date namely "Prevention of Corruption Act 1988."

Name of the Bidder: *[insert complete name of the Bidder]

Name of the person duly authorized to sign the Bid on behalf of the Bidder: **[insert complete name of person duly authorized to sign the Bid]

Title of the person signing the Bid: [insert complete title of the person signing the Bid]

Signature of the person named above: [insert signature of person whose name and capacity are shown above]

Date signed [insert date of signing] **day of** [insert month], [insert year]

*: In the case of the Bid submitted by a Joint Venture specify the name of the Joint Venture as Bidder.

**: Person signing the Bid shall have the power of attorney given by the Bidder. The power of attorney shall be attached with the Bid Schedules.

Not to Submit with Technical Bid

1B. Letter of Bid - Financial Part

(This document needs to upload in .pdf format in "Additional Documents Folder" under the "Financial Folder")

INSTRUCTIONS TO BIDDERS: DELETE THIS BOX ONCE YOU HAVE COMPLETED THE DOCUMENT

The Bidder must prepare the Letter of Bid - Financial Part on stationery with its letterhead clearly showing the Bidder's complete name and business address.

Note: All italicized text is to help Bidders in preparing this form.

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

RFB No.: [insert number of bidding process]

Request for Bid No.: [insert identification]

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

To: [insert complete name of Purchaser]

We, the undersigned Bidder, hereby submit the second part of our Bid, the Financial Part

In submitting our Financial Part we make the following additional declarations:

(a) **Bid Validity Period:** Our Bid shall be valid for the period specified in BDS 18.1 (as amended, if applicable) from the date fixed for the bid submission deadline specified in BDS 22.1 (as amended, if applicable), and it shall remain binding upon us and may be accepted at any time before the expiration of that period;

(b) **Bid Price:** The total price of our Bid, excluding any discounts offered in item (c) below is:

In case of only one lot, the total price of the Bid is [insert the total price of the bid in Rs.....words and figures];

(c) **Discounts:** The discounts offered and the methodology for their application are:

(i) The discounts offered are: [Specify in detail each discount offered]

(ii) The exact method of calculations to determine the net price after application of discounts is shown below: [Specify in detail the method that shall be used to apply the discounts];

(d) **Commissions, gratuities and fees:** We have paid, or will pay the following commissions, gratuities, or fees 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.”)

- (e) **Binding Contract:** 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.

Name of the Bidder:*[insert complete name of the Bidder]

Name of the person duly authorized to sign the Bid on behalf of the Bidder: ** [insert complete name of person duly authorized to sign the Bid]

Title of the person signing the Bid: [insert complete title of the person signing the Bid]

Signature of the person named above: [insert signature of person whose name and capacity are shown above]

Date signed [insert date of signing] **day of** [insert month], [insert year]

*: In the case of the Bid submitted by a Joint Venture specify the name of the Joint Venture as Bidder.

**: Person signing the Bid shall have the power of attorney given by the Bidder. The power of attorney shall be attached with the Bid Schedules.

2. 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]*

RFB No.: *[insert number of RFB process]*

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

Page _____ of _____ pages

1. Bidder's Name <i>[insert Bidder's legal name]</i>
2. In case of JV, legal name of each member : <i>[insert legal name of each member 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 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 equivalent documents of constitution or association), and/or documents of registration of the legal entity named above, in accordance with ITB 4.4. <input type="checkbox"/> In case of JV, letter of intent to form JV or JV agreement, in accordance with ITB 4.1. <input type="checkbox"/> In case of state-owned enterprise or institution, in accordance with ITB 4.6 documents establishing: <ul style="list-style-type: none"> • Legal and financial autonomy • Operation under commercial law • Establishing that the Bidder is not under the supervision of the Purchaser
2. Included are the organizational chart, a list of Board of Directors, and the beneficial ownership.

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.]*

3. Price Schedule: For Supply as per Schedule of Requirements

Price Schedule format is available in excel format under Financial Folder in the E-Procurement Portal www.assamtenders.gov.in . Bidder has to fill that format online in the e-procurement system.

4. Price and Completion Schedule - Related Services (Not Applicable)

5. Forms of Bid Security

Form of Bid Security - Bank Guarantee

[Guarantor letterhead or SWIFT identifier code]

Bank Guarantee No.....*[insert guarantee reference number]*

Date.....*[insert date of issue of the guarantee]*

WHEREAS, _____ *[name of Bidder]*¹ (hereinafter called "the Applicant") has submitted his Bid dated _____ *[date]* or will submit his Bid for the supply of _____ *[name of Contract]* (hereinafter called "the Bid") under Request for Bids No.....*[insert number]* (hereinafter called "the RFB")

KNOW ALL PEOPLE by these presents that We _____ *[name of bank]* of _____ *[name of country]* having our registered office at _____ (hereinafter called "the Bank") are bound unto _____ *[name of Purchaser]* (hereinafter called "the Purchaser") in the sum of _____² for which payment well and truly to be made to the said Purchaser the Bank binds itself, his successors and assigns by these presents.

SEALED with the Common Seal of the said Bank this _____ day of _____ 20____.

THE CONDITIONS of this obligation are:

- (1) If after Bid opening the Applicant (a) withdraws his bid during the period of Bid validity specified in the Letter of Bid; or (b) does not accept the correction of the Bid Price pursuant to ITB 35;

or

- (2) If the Applicant having been notified of the acceptance of his bid by the Purchaser during the period of Bid validity:
 - (a) fails or refuses to execute the Contract Agreement in accordance with the Instructions to Bidders, if required; or

¹In the case of a JV, the bidder should be stated as "a Joint Venture consisting of, and".

²The Applicant should insert the amount of the guarantee in words and figures denominated in Indian Rupees. This figure should be the same as shown in Clause 19.1 of the Instructions to Bidders.

- (b) fails or refuses to furnish the Performance Security, in accordance with the Instruction to Bidders.

we undertake to pay to the Purchaser up to the above amount upon receipt of his first written demand, without the Purchaser having to substantiate his demand, provided that in his demand the Purchaser will note that the amount claimed by him is due to him owing to the occurrence of one or any of the four conditions, specifying the occurred condition or conditions.

This Guarantee will remain in force up to and including the date _____³ days after the deadline for submission of Bids as such deadline is stated in the Instructions to Bidders or as it may be extended by the Purchaser, notice of which extension(s) to the Bank is hereby waived. Any demand in respect of this guarantee should reach the Bank not later than the above date.

DATE _____ SIGNATURE OF THE BANK _____

WITNESS _____ SEAL _____

[signature, name, and address]

Note: All italicized text (including footnotes) is for use in preparing this form and shall be deleted from the final product.

³45 days after the end of the validity period of the Bid.

6. 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]*

RFB No.: *[insert number of RFB 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.

No company or firm or individual other than M/s. _____ are authorized to bid, and conclude the contract for the above goods manufactured by us against this specific RFB. *[This para should be deleted for simple items where manufacturers normally sell the product through different stockists].*

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]*

Duly authorized to sign this Authorization on behalf of: *[insert complete name of Bidder]*

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

[Note – Modify this format suitably in cases where manufacturer's warranty and guarantee are not applicable for the items for which bids are invited. If the supply consists of number of items, indicate the specific item (s) for which alone the above authorization is required.]

7. DECLARATION for Claiming Excise Duty Exemption

(Name of the Project)

RFB No.

Description of item to be supplied

.....

(Information for issue of certificate for claiming exemption of Excise Duty (ED) in terms of Central excise notification No. 108/95)

(Bidder's Name and Address):

**To
(Name of
Purchaser)**

.....

Dear Sir:

1. We confirm that we are solely responsible for obtaining deemed export benefits which we have considered in our bid and in case of failure to receive such benefits for reasons whatsoever, Purchaser will not compensate us.
2. We are furnishing below the information required by the Purchaser for issue of necessary certificate in terms of Central Excise notification no 108/95 read along with all subsequent amendments including the amendment dated 01-03-2008.

(i) Ex-factory price per unit on which ED is payable: *Rs.

(ii) No of Units to be supplied:

(iii) Total cost on which ED is payable (Rs.)

*(The requirements listed above are as per
Current notifications. These may be modified,
as necessary, in terms of the rules in force)*

(Signature) _____

(Printed Name) _____

(Designation) _____

(Common Seal) _____

** Please attach details item-wise with cost, if there are more than one items. The figures indicated should tally with what is given in the price schedule.*

8. Performa FOR PERFORMANCE Statement

[Please see ITB 32.2 and Section III-
Evaluation and Qualification Criteria]

Proforma for Performance Statement (for a period of last three/five years)

RFB No. _____
_____ Hours

Date of opening _____

Time

Name of the Firm _____

<u>Order placed by (full address of Purchaser)</u>	<u>Order No. and date</u>	<u>Description and quantity of ordered equipment</u>	<u>Value of order</u>	<u>Date of completion of delivery</u>		<u>Remarks indicating reasons for late delivery, if any</u>	<u>Has the equipment been satisfactorily functioning? (Attach a certificate from the Purchaser/Consignee)</u>
				As per contract	Actual		
1	2	3	4	5	6	7	8

Signature and seal of the Bidder _____

Section V -Eligible Countries

Eligibility for the Provision of Goods, Works and Non Consulting Services in Bank-Financed Procurement

In reference to ITB 4.8 and ITB 5.1, for the information of the Bidders, at the present time firms, goods and services from the following countries are excluded from this Bidding process:

Under ITB 4.8(a) and ITB 5.1:*None[insert a list of the countries following approval by the Bank to apply the restriction or state “none”].*

Under ITB 4.8(b) and ITB 5.1:*None[insert a list of the countries following approval by the Bank to apply the restriction or state “none”]*

Section VI -Fraud and Corruption

(Section VI shall not be modified)

1. Purpose

- 1.1 The Bank's Anti-Corruption Guidelines and this annex apply with respect to procurement under Bank Investment Project Financing operations.

2. Requirements

- 2.1 The Bank requires that Borrowers (including beneficiaries of Bank financing); bidders, consultants, contractors and suppliers; any sub-contractors, sub-consultants, service providers or suppliers; any agents (whether declared or not); and any of their personnel, observe the highest standard of ethics during the procurement process, selection and contract execution of Bank-financed contracts, and refrain from Fraud and Corruption.

- 2.2 To this end, the Bank:

- 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 misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain 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:
 - (a) deliberately destroying, falsifying, altering, or concealing of evidence material to the investigation or making false statements to investigators in order to materially impede a Bank 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

- (b) acts intended to materially impede the exercise of the Bank's inspection and audit rights provided for under paragraph 2.2 e. below.
- b. Rejects a proposal for award if the Bank determines that the firm or individual recommended for award, any of its personnel, or its agents, or its sub-consultants, sub-contractors, service providers, suppliers and/ or their employees, has, directly or indirectly, engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices in competing for the contract in question;
- c. In addition to the legal remedies set out in the relevant Legal Agreement, may take other appropriate actions, including declaring misprocurement, if the Bank determines at any time that representatives of the Borrower or of a recipient of any part of the proceeds of the loan engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices during the procurement process, selection and/or execution of the contract in question, without the Borrower having taken timely and appropriate action satisfactory to the Bank to address such practices when they occur, including by failing to inform the Bank in a timely manner at the time they knew of the practices;
- d. Pursuant to the Bank's Anti- Corruption Guidelines, and in accordance with the Bank's prevailing sanctions policies and procedures, may sanction a firm or individual, either indefinitely or for a stated period of time, including by publicly declaring such firm or individual ineligible (i) to be awarded or otherwise benefit from a Bank-financed contract, financially or in any other manner;⁴ (ii) to be a nominated⁵ sub-contractor, consultant, manufacturer or supplier, or service provider of an otherwise eligible firm being awarded a Bank-financed contract; and (iii) to receive the proceeds of any loan made by the Bank or otherwise to participate further in the preparation or implementation of any Bank-financed project;
- e. Requires that a clause be included in bidding/request for proposals documents and in contracts financed by a Bank loan, requiring (i) bidders, consultants, contractors, and suppliers, and their sub-contractors, sub-consultants, service

⁴ For the avoidance of doubt, a sanctioned party's ineligibility to be awarded a contract shall include, without limitation, (i) applying for pre-qualification, expressing interest in a consultancy, and bidding, either directly or as a nominated sub-contractor, nominated consultant, nominated manufacturer or supplier, or nominated service provider, in respect of such contract, and (ii) entering into an addendum or amendment introducing a material modification to any existing contract.

⁵ A nominated sub-contractor, nominated consultant, nominated manufacturer or supplier, or nominated service provider (different names are used depending on the particular bidding document) is one which has been: (i) included by the bidder in its pre-qualification application or bid because it brings specific and critical experience and know-how that allow the bidder to meet the qualification requirements for the particular bid; or (ii) appointed by the Borrower.

providers, suppliers, agents personnel, permit the Bank to inspect⁶ all accounts, records and other documents relating to the submission of bids and contract performance, and to have them audited by auditors appointed by the Bank.

⁶ Inspections in this context usually are investigative (i.e., forensic) in nature. They involve fact-finding activities undertaken by the Bank or persons appointed by the Bank to address specific matters related to investigations/audits, such as evaluating the veracity of an allegation of possible Fraud and Corruption, through the appropriate mechanisms. Such activity includes but is not limited to: accessing and examining a firm's or individual's financial records and information, and making copies thereof as relevant; accessing and examining any other documents, data and information (whether in hard copy or electronic format) deemed relevant for the investigation/audit, and making copies thereof as relevant; interviewing staff and other relevant individuals; performing physical inspections and site visits; and obtaining third party verification of information.

PART 2 – Supply Requirements

Section VII - Schedule of Requirements

1. List of Goods and Delivery Schedule

Line Item N°	Description of Goods	Quantity	Physical unit	Final Destination (Project Site) as specified in BDS	Delivery (as per Incoterms) Date			
					Earliest Delivery Date	Latest Delivery Date	Bidder's offered Delivery date [to be provided by the Bidder]	Bid Security in Indian Rupees ⁷
[insert item No]	[insert description of Goods]	[insert quantity of item to be supplied]	[insert physical unit for the quantity]	[insert place of Delivery]	[insert the number of days following the date of effectiveness the Contract]	[insert the number of days following the date of effectiveness the Contract]	[insert the number of days following the date of effectiveness the Contract]	
1	Supply, Installation & Commissioning of Shore Station based Search & Rescue cum Surveillance Vessel on the river Brahmaputra	3	nos	Safely afloat and moored in a clean and orderly condition, ready for service at Guwahati, Assam India	90	270 days		

⁷ Bid security listed here must be the same as provided under ITB/BDS 19.1.

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] [Insert after modifying as appropriate deleting inapplicable items from the following:]</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

“Summary of Technical Specifications. The Goods and Related Services shall comply with following Technical Specifications and Standards:

3. Technical Specifications

BUILDING SPECIFICATION: The specifications are for construction of a FRP/GRP Boat. The boat shall be used in Brahmaputra River in Assam by Purchaser.

The boat shall be constructed, equipped, outfitted and arranged so that it shall in every respect comply with the technical specifications of respective hull, engineering and electrical systems. The specifications are related to laying up of laminations/ installation of hull structure, internal structure, foundations, equipment/ machinery, cables, pipes, ventilation, pre-handing over activities of all equipment and systems, and river acceptance trials and handing over of the boat.

The specifications contains general requirement and description of the systems to the extent of providing information for the overall understanding of the equipments/ systems adhered in the construction and handing over of the boat. The architecture and the arrangement of technical means, the interior and exterior fit-outs shall be in accordance with the proposed specifications.

DESCRIPTION & FUNCTIONS OF THE BOAT:

The boat shall be used for Search & Rescue cum surveillance operations in Brahmaputra River in Assam and should be capable of maneuver safely and effectively. The boat shall have propulsion, power generation, life saving and other engineering and electrical systems to carry out safe and reliable operation. The vessel shall be capable of maintaining cruising speed up to wave height 0.5 mtr. The vessel shall remain operational with reduced performance in conditions up to wave height 1.25 mtr. The bottom structure of the vessel shall be designed in such a way to minimize slamming effect when the vessel is operating at high speed in significant wave height of 0.5 Meters and above.

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1. MAIN PARTICULARS

1.1	Construction	<p>The Hull & the Superstructure shall be of Marine grade GRP/FRP (Fiber Reinforced Plastic) and gel-coated finish. The material used in the craft shall be of marine grade class approved type.</p> <p>It shall be of sufficient strength to withstand the adverse service conditions.</p>
1.2	Classification Example	<p>The vessel shall be built with following IRS/IACS class notation like:  SUL, HSLC RS2, Rescue, “Special Government Service”.  IY”</p>
1.3	Length overall	Approx. 14 Mtr± 1.0Mtr (To suit desired speed, draught, stability and passenger capacity)
1.4	Beam	According to boats stability criterion and design.
1.5	Draft (maximum)	Not more than 0.60 Mat full load
1.6	Propulsion	<p><u>Main Engines:</u> 2 X In-board Diesel Engine turbo-charged and after-cooled inboard marine diesel engines developing enough power <u>to meet speed criteria mentioned in clause 1.15</u> of any reputed brand having indigenous product support facilities proof of local service center in India to be submitted <u>duly type approved by any member of IRS/IACS</u> and having not less than 2500 hours operating profile per year. Power of engine shall meet speed criteria at Para 1.15. Drive: Twin Screw conventional type propulsion System with Emergency Steering Post, Propellers and suitable reversible gearbox.</p> <p>Gearboxes: Any other gear box which has indigenous product support of which proof of local service center in India to be submitted <u>duly type approved by any member of IRS/IACS.</u></p>

1.7	Controls	Electronic control and monitoring system for engine, gear box and propulsion system from wheel house shall to be provided.
1.8	Design	Hull- One piece GRP Mould
1.9	Displacement-full load condition	As per design
1.10	Endurance/Range	240NM plus 25% reserve at 12 knots of cruising speed at full load
1.11	Fuel Capacity	Sufficient to meet the range criteria above
1.12	Fresh water capacity	<u>300</u> liters
1.13	Lubricating oil capacity	As required
1.14	Capacity	20 personnel including crew
1.15	Speed (Max.) Speed (Cruising)	Not less than 20 knots at <u>85</u> % MCR at full load Not less than 12 knots at full load
1.16	Maneuverability	The vessel shall have good maneuverability for the following operational requirements: (a) Going alongside and leaving a jetty under adverse wind and tide conditions without external assistance. (b) Going alongside and leaving a vessel while under way for boarding purposes. (c) Turning at or near rest under the action of the main engines and the Steering system in adverse weather conditions. (d) Maneuvering safely under all conditions of loading and speeds in adverse weather conditions. (e) Crash stop from full speed ahead in minimum boat lengths. (f) Maneuvering from one engine.



2. GENERAL

2.1 WORKING PRACTICES

-
- | | | |
|-------|----------------------|---|
| 2.1.1 | General | <ul style="list-style-type: none">(a) All notices, tally plates, label name plates and instruction plates shall be written in English.(b) All instruments shall be metric calibration and the temperatures shall be in degrees Celsius.(c) Pipe systems shall be identified by coloured strip sat appropriate positions. The colors used shall be in accordance with accepted practice and appropriate standards.(d) All necessary guards, splash-plates, casings, handrails, etc. required for the safety of personnel and protection of requirement shall be provided.(e) Engraved type tally plates shall be provided. |
| 2.1.2 | Galvanizing | All iron and steelwork shall 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. |
| 2.1.3 | Sealants & Stopping | Sealants and stopping shall be of an approved marine composition. |
| 2.1.4 | Corrosion Prevention | Particular care has been taken in the design of this craft to avoid conditions leading to galvanic corrosion of dissimilar metals. Protection from galvanic corrosion has been obtained by electrically insulating incompatible materials. |

2.2 **DESIGN & BUILD STANDARDS**

- | | | |
|-------|--|---|
| 2.2.1 | Vessel Type | Search & Rescue Boat shall be designed as per IRS/IACS Rules in accordance with highest boat building standard and shall be able to withstand adverse service and weather conditions. |
| 2.2.2 | Constructions,
Classification & Trials. | Indian Register of Shipping/IACS |

2.2.3	Class Notation(Example)	 SUL, HSLC RS2, Rescue, "Special Government Service"  "TY"
2.2.4	Rules & Regulations	<p>In addition to classification rules as per Notation above the following rules and regulations shall be met as applicable:</p> <ol style="list-style-type: none"> 1. Effluent/ emission treatment of overboard and underwater discharges and funnel emission, commensurate with the International Convention for the Prevention of Pollution from ships-1973 and subsequent amendments. 2. The IMS(Indian merchant Ship) rules for life saving appliances, accommodation and fire appliances <p>In general, the vessel shall be designed as far as possible for noise levels acceptable to class at calm weather in cruising speed.</p>
2.2.5	Stability	Regulations and stability standards for construction of High Speed Crafts & Light crafts Rules of IRS/IACS Classification Society
2.2.6	Buoyancy	The vessel shall be fitted with sufficient fixed buoyancy, including the rubber fender
2.3	MATERIALS	
2.3.1	General	All materials used in the construction of the hull, machinery, hull fitting, deck auxiliaries, equipment and the various systems shall be selected from the best commercial grades and standards. Wherever possible materials and components shall conform to Rule requirements/ accepted international and national standards, i.e. IS, ISO, BS, AISA, AISA etc. as applicable.
2.3.2	Wood	All plywood shall be first quality marine plywood as per ISO or national standards.
2.3.3	Aluminum Alloy	Aluminum alloys used shall be of marine grade.
2.3.4	Stainless Steel	All stainless steel shall be of 316 grade, as specified in drawings and specifications.
2.3.5	Naval Brass	The specification of naval brass shall conform to BS

2872 and BS 2874.

- | | | |
|----------------------------|--------------------------|---|
| 2.3.6 | Gunmetal | Materials for all gunmetal castings shall conform to BS1400 specification G1-C |
| 2.3.7 | Glass Reinforced Plastic | <p>Glass Reinforced Plastic materials used in the construction of the vessel shall comply with the following standards:-</p> <p>Gel coat : IRS/IACS member approved</p> <p>Resin : IRS/IACS member approved</p> <p>Chopped Standard</p> <p>Mat 'E' glass or advance fibre material : IRS/IACS member approved</p> |
| 2.3.8 | Fittings & Fasteners | Stainless Steel, unless other material is suitable for a particular application |
| 2.3.9 | Fender | Rubber fender provided all around the boat. The rubber material shall have low weight, high shock absorbing and good buoyancy. |
| 2.4 QUALITY CONTROL | | |
| 2.4.1 | Condition | Construction shall take place as per Classification Society requirements, under controlled conditions of temperature and humidity. |
| 2.4.2 | Fittings | All fittings shall be of anti-corrosive material. All fittings exposed to river water shall be resistant against corrosion, oxidation and galvanic action. |
| 2.4.3 | Workmanship | Workmanship shall be first class in conformity with accepted norms of Naval Architecture and Marine Engineering/electrical engineering practices and shall be to the satisfaction of the Classification Society. |
| 2.4.4 | Special Measures | Special Measures, which include protection against high humidity, high ambient temperature, fungus growth etc. in accommodation and all materials, outfit and electrical fitting, shall be implemented. All machinery and equipment shall be tropicalized for Indian conditions. |

3. CONSTRUCTION

3.1 GENERAL

3.1.1 INTENT AND DEFINITIONS:

3.1.2 This specification is intended to describe the construction of 14 M Search & Rescue Boat, completely out-fitted and equipped as detailed in this specification. The Vessels shall be built in accordance with good building practice and in compliance with the requirements of the Classification Society.

3.1.3 While the function and equipment requirement have been indicated herein, they are not exhaustive and any item not specifically mentioned in this specification but functionally necessary for this type and size of vessels would be supplied.

3.2 FUNCTIONS

3.2.1 The vessels shall be designed and constructed as Search & Rescue (SAR) Boat for use in Brahmaputra River in Assam.

3.2.2 The vessel shall be capable of maintaining cruising speed up to wave height 0.5 mtr. The vessel shall remain operational with reduced performance in conditions up to wave height 1.25 mtr.

3.2.3 The craft shall be capable of being put into water for operation in the shortest possible time from an un-alerted state.

3.3 GENERAL REQUIREMENTS

3.3.1 SAR has to operate in high stream environment prevalent in the Brahmaputra river area, therefore the hull material is to be of FRP as per IRS/IACS requirements. SAR should be capable to operate in shallow water. The hull and superstructure is to be made of FRP with vinyl ester resin. Deck to have adequate camber, to avoid water accumulation.

3.4 HULL, DECK AND SUPERSTRUCTURE

3.4.1 The hull, deck and superstructure shall be manufactured using IRS/IACS approved, **vinyl ester resin** and reinforcement materials. All penetrations to be made watertight.

3.4.2 'E' Glass or better Fibre reinforcement of reputed make, approved by Classification Society shall be used for lay-ups.

3.4.3 The deck and superstructure etc. shall be Single skin and/ or sandwich laminates as required by the design.

- 3.4.4 The upper and side deck layout / fitting, craft-side and interior arrangements shall facilitate easy boarding operations and keep crew fatigue within acceptable parameters.

3.5 HULL CONSTRUCTION

- 3.5.1 Gel Coat High quality Gel Coat approved by classification Society shall be used.
- 3.5.2 Hull Laminate Manufacturer shall use class approved material such as vinyl esterresin/glass fibre / composite for hull construction. Fire retardant resin shall be used for final coat in engine room.
- 3.5.3 Longitudinal Stiffeners As per Classification society requirements.
- 3.5.4 Transverse Frames As per Classification society requirements.
- 3.5.5 Bulkheads As per Classification society requirements.
- 3.5.6 Limber Holes The bottom of the craft shall be limbered aft within each water tight compartment.
- 3.5.7 Core Materials Core materials approved by Classification Society shall be used.

3.6 DECK

- 3.6.1 Gel Coat High quality gel coat approved by Classification Society shall be used.
- 3.6.2 Deck Laminate Non-skid. As per Classification society requirements.
- 3.6.3 Deck Structure As per Classification society requirements. Deck to have adequate camber, to avoid water accumulation.
- 3.6.4 Reinforcements Marine grade plywood or mild steel pads shall be molded into the deck structure in way of deck fittings, super structure attachment and engine removal hatch to provide extra stiffness.
- 3.6.5 Openings Molded apertures shall be made in the deck structure in the way of hatches, ventilators, fillers, etc.

3.7 SUPERSTRUCTURE:

- | | | |
|-------|------------|---|
| 3.7.1 | Gel Coat | High quality gel coat approved by Classification Society shall be used. |
| 3.7.2 | Laminate | As per Classification society requirements. |
| 3.7.3 | Stiffening | As per Classification society requirements. |

3.8 TANKS

- | | | |
|-------|-------------|---|
| 3.8.1 | Fuel Tank | <ul style="list-style-type: none"> • The fuel oil tanks will be made of SS 316 approved material. • The tanks testing will be as per class guidelines. • The tanks will be bonded into the hull. • The tanks will have suitable inspection manhole filling point on the deck, drainage valve and suction line with valves for each engine that include water filter separator. • Flush mounted, stainless steel fuel filler on the deck will be fitted • The capacity of the tank as per range criteria |
| 3.8.2 | F.W Tank | <u>Approx. 300</u> Liters, SS 316 class approved material. |
| 3.8.3 | Cover plate | SS 316 cover plate for fuel tank for inspection shall be fitted and secured with steel studs, stainless steel nuts and spring washers. |

3.9 ADDITIONAL MOULDINGS

- | | | | |
|-------|-------------------|--|--|
| 3.9.1 | General | Additional moldings shall be constructed as required for the outfit of the Vessel. | |
| 3.9.2 | Battery boxes | No off
Type | As per requirement
GRP |
| 3.9.3 | Console | No off
Type | One
GRP helm and navigators console |
| 3.9.4 | Internal moldings | Various GRP moldings as required for the fit-out of the vessel. | |

3.10 **STRUCTURAL FIRE PROTECTION**

- 3.10.1 Machinery Space The whole internal surface of the Machinery space shall be coated with Class approved fire retardant resins / gel coats.

4.MACHINERY

4.1 GENERAL

The machinery and propulsion package shall consist of an installation of two commercially available turbo-charged and after-cooled inboard marine diesel engines each coupled via gear box to the Conventional type propulsion.

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.

Provision of remote starting/ stopping of main engines from wheel house and locally from engine room shall be provided. Engines, & gearboxes shall be type approved for marine application. Engines shall be compliant to latest applicable requirements of IMO/ MARPOL

4.2 Main Propulsion

4.2.1 General

Main Engines shall be suitable for ambient temperature of 45deg.C. These shall be used in conjunction with suitable Gear Boxes, with facility for either locking shaft or lubrication for trailing idle shaft when operating on single engine. Single station lever heavy-duty control shall be provided in wheelhouse.

Main engines along with manufacturers recommended mounting arrangement to reduce vibrations and adequately insulated to reduce noise with heat exchanged cooling.

Main engines shall be located so as to facilitate easy removal for maintenance/repair. Engine room layout shall ensure easy accessibility for routine maintenance to engine and gear box, 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.

4.2.2 Main Engines

2 X In-board Diesel Engine turbo-charged and after-cooled inboard marine diesel engines developing enough power **to meet speed criteria mentioned in clause 1.15.**any reputed brand having indigenous product support facilities **duly type approved by any member of IRS/IACS**and having not less than 2500 hours operating profile per year.

4.2.3	Gearbox	The gearboxes shall be a marine type gear box with appropriate ratio. Each engine drives a close coupled reverse gearbox. The gearboxes shall be provided with manufacturers recommended couplings to main engines.	
4.2.4	Drive	Twin Screw conventional type propulsion system having indigenous product support facilities	
4.2.5	Alternator	No off Type	One per engine Engine mounted suitable for charging the starting batteries. Fitted one on each engine and suitably geared to provide adequate charge at low engine rpm
4.2.6	Engine Mountings	No off Type	Four per engine / gear box unit Resilient AV mount of suitable make
4.2.7	Sump Pumps	As per Engine/GB manufacturer’s recommendations for removal of lubricating oil from the engines and gearboxes.	
4.3	MAIN MACHINERY MONITORING AND CONTROLS		
4.3.1	General	Single station remote controls for both Port and Starboard Main Engine shall be provided in W/H. Main Engines shall be provided with control module, engine sensors and control & display system. Display Module shall be provided in wheelhouse. Levers controlling engine speed and ahead/astern selection for each engine, gear box shall be arranged for remote operation in the wheelhouse. Instruments and gauges required for the normal operation of the main engines/Gearbox shall be mounted in the console in the Wheelhouse.	
4.3.2	Throttle lever	No off Type	One Twin lever control head of reputed make
4.3.3	Steering Wheel	No off	One
4.3.4	Gearbox	No off Type	Two sets Push Button or Lever shall be Provided for each gear box to engage forward, neutral or reverse.

-
- 4.3.5 Engine Starting Direct starting through a starter on each engine.
- 4.3.6 Starting & Stopping Each main engine can be started and stopped independently from the Main Engines helm console.
- 4.3.7 Monitoring and Control Systems in Wheelhouse:
- (i) Engine starting / stopping
 - (ii) Emergency Stop - Main Engine
 - (iii) Lub. Oil pressure and Temperature
 - (iv) Engines and Gearbox Lub oil pressure
 - (v) F.W. temperature
 - (vi) Main Engine RPM & hour counter
 - (vii) Overspeed Trip
 - (viii) Main Engine Cooling Water Pressure
 - (ix) Battery charging
 - (x) Battery voltage
 - (xi) Generator RPM, lubricating Oil pressure and temperature
 - (xii) Air Conditioning for Wheel House - Start/ Stop
 - (xiii) Steering and trim position indicating gauge

4.4 **STEERING GEAR**

- 4.4.1 Steering Gear The steering system shall be single station electro-hydraulic with emergency manual hydraulic assisted system integrated with conventional propulsion system.

4.5 **FUEL SYSTEM**

- 4.5.1 General
- The capacity of the tank shall be enough to meet range criteria.
- Fuel tank made up of SS 316 class approved material, of adequate capacity, Cu-Ni /stainless steel fuel lines, suitable dual fuel - water separator filters, and remote shut-off valves shall be provided.
- The tank shall have suitable inspection manhole filling point on deck, drainage valve and suction line with valves for each engine that include water filter separator. The tank testing shall be as per class guidelines. The tank will be bonded with the Hull of the vessel.
- Manual sounding facility with calibration chart shall be provided for the tank. All pipelines shall be Cu-Ni/Stainless Steel and valves & fittings shall be of SS/GM.
- Fuel shut off valve with remote control shall be provided.

Fuel from tank to each engine is supplied through a fuel filter/water separator.

4.5.2	Fuel Filler	No Off Type	As required Flush mounted, stainless steel on the deck
4.5.3	Tank Vent	No Off Type	As required Swan neck fitted with anti-flash gauze.
4.5.4	Filters	No Off Type	Two One for each main engine sited in the fuel supply lines in the Machinery Space
4.5.5	Fuel Supply	Fuel piping shall be Stainless Steel for supply and return lines.	
4.5.6	Fuel Tank Contents Gauge	No Off Type	As per no. of tanks Electric Gauge. Remote reading tank content gauge shall be provided for the fuel oil tank. The remote gauge shall be located at the helmsman's console in the Wheelhouse.
4.5.7	Remote Closures	The main fuel supply valve located in the Tank Spaces is remotely closable (electric/mechanical).	

4.6 MACHINERY COOLING SYSTEM:

4.6.1	General	Each main engine and gear box has its own cooling circuit. Water is passed through the heat exchangers via engine mounted pumps before being injected into the exhaust system. All pipe-works shall be reinforced flexible hoses / rubber hose connections at the engines to allow for movement and vibration. River water and fresh water pumps shall have tell-tale holes for detection of leakage.	
4.6.2	Water Suction	No Off	As per OEM recommendation

4.7 EXHAUST SYSTEM

4.7.1	General	Exhaust installations for the main engines system shall be ‘wet type’ systems and supplied with raw water-cooling from the heat exchanger on each engine. All exhaust systems shall be of stainless steel, with required water-lock, drains, and have flexible sections to accommodate engine vibration. Each engine exhausts independently through hull exhaust outlets shall be provided. The exhaust system is specially designed to allow the river water used for engine cooling shall be injected into the exhaust gas stream and the resultant mixture of cooled gases and river water is conveyed to river through recessed stern quarter outlets.	
4.7.2	Silencer	No Off Type	Two As per manufacturer’s Recommendations
		A silencer is fitted in each exhaust run within the machinery space	
4.8	AUXILIARY MACHINERY:		
4.8.1	General	The auxiliary machinery shall consist of a marine diesel generator installed in the Machinery Space. It shall have its own independent systems and shall not be interconnected to any main engine circuit, except the fuel system.	
4.8.2	Generator	1 no of Marine DG of sufficient capacity of any reputed brand having indigenous product support facilities <u>duly type approved by any member of IRS/IACS</u> shall be provided, that shall meet the total power requirement including lighting and air conditioning with at least 20% reserve capacity. Type, Quantity & capacity of generator shall meet IRS/IACS Class requirement.	
4.8.3	Cooling	Water-cooled from dedicated river water intake and strainer.	
4.8.4	Fuel System	Supply from fuel tank using a selector valve.	
4.8.5	Filters/Water Separator	No Off	As per requirement
		Sited in the fuel supply line in the Machinery Space	
4.8.6	Fuel Supply	No Off	As per requirement

Shut Off Valves

For emergency, a fuel shutoff to the generator prime mover in case of fire shall be arranged for remote operation (electric/mechanical) from the wheelhouse.

4.8.7 Exhaust

As per manufacturer's recommendations.

4.8.8 Controls

Remote panel sited in Wheelhouse.

4.8.9 Power supply

230V single Phase AC & 12/24 V DC
AC & DC Generation capacity as required shall be provided as per class requirements.

5.SYSTEMS

5.1 GENERAL

- 5.1.1 Piping Piping shall be of non-corrosive material and fitted with valves where appropriate as per class requirement
- 5.1.2 Color Code All piping shall be color coded or otherwise labeled in appropriate positions.

5.2 FRESH WATER

- 5.2.1 General SS 316 class approved material of approx. 300 liters capacity shall be provided. Fresh water hydrophore system shall be provided to service pantry and toilet etc.
The fresh water system shall also supply cold fresh water to the screen-wash. The piping shall be of 'food quality' plastic.
The tank of freshwater shall be fitted with a level sensor and indicator.
- 5.2.2 Fresh Water Tank
- | | |
|--------|--|
| No Off | One |
| Type | Approx. 300 liters capacity SS 316 material |
- 5.2.3 Screen wash Wind screen wash jets at both screens supplied via a 12V / 24V DC water pump, controlled from instrument console.
- 5.3 **SANITATION SYSTEM**
- 1 Toilet with sewage treatment plant so that black water is not discharged to river directly, shall be fitted with the following.
One (1) Water Closet,
One (1) Washbasin

5.4 **BILGE & FIRE SYSTEM**

- 5.4.1 General The Bilge system shall be designed in accordance with Classification Society regulations. In addition manual portable bilge pump shall be provided.
The fire/ wash down manifold shall have a facility for connecting the engine-driven bilge pump to a river-chest fitted with valve and strainer for fire-fighting and wash-down purposes. However, if this is not feasible or nor convenient, a separate electrical pump shall be installed.
- 5.4.2 Hand Bilge Pump As per class requirement
- 5.4.3 Bilge Alarm System Fitted to all bilge wells to indicate high water level in the bilge. Alarm panel shall be fitted on helm console in the wheelhouse.
- 5.4.4 Bilge Pump
No Off As per class requirement
Type Engine driven pump With a 12/24 v DC Magnetic clutch.
- 5.4.5 Fire Pump As per class requirement. The manifold shall have facility for connecting the engine-driven bilge pump to a river-chest fitted with valve and strainer for fire- fighting and wash down purposes.
- 5.4.6 Deck Hydrant
No Off One
Type 1½"or bigger diameter single outlet instantaneous connection deck hydrant.
- 5.4.7 Portable Manual Fire Pump
No Off As per class requirement
Shall be provided with a Hose and 10 mm diameter jet cum spray Nozzle.

5.5 **AIR CONDITIONING**

- 5.5.1 General The craft shall be provided with marine type reputed make air conditioning system. The system shall be compact, environment friendly and have low-power consumption. The capacity of the AC shall be as per requirement. The A/c shall be capable of maintaining 24 deg. C room temp. in an ambient temp. of 45 deg.

with humidity above 80 percent.

The air conditioning system chosen shall provide adequate cooling capacity in wheel house and crew cabin to maintain cool conditions even at high temperatures.

Air conditioning system suitable for operating in 220V electrical system of the boat shall be provided. AC system should have the service facility in India.

Suitable ventilation as required shall be installed for engine room.

5.6 VENTILATION

5.6.1 General All ventilation openings shall be provided with means of preventing ingress of water.

5.6.2 Machinery Space Suitable mechanical ventilation system to cater for the machinery requirements shall be provided. Locally operated fire damper flaps are fitted to the ventilation inlets and outlets as applicable.

5.6.3 Toilet Suitable DC exhaust fan shall be provided.

5.6.4 Battery Box Suitable ventilation arrangement shall be provided.

5.6.5 Crew Cabin Adequate number of port holes/windows and fans shall be provided.

5.7 CATHODIC PROTECTION

5.7.1 Bonding System All under water metallic fittings are electrically connected into a continuous bonding system and connected to the anodes.

5.7.2 Sacrificial Anodes Zinc anodes for corrosion protection of all under water metallic fittings shall be provided.

5.8 FIRE DETECTION AND SMOTHERING

5.8.1 General The Machinery Space shall be fitted with fixed firefighting system and fire-alarm & smoke detection system meeting Class /SOLAS requirements.

5.8.2 Fire Detection

A fire alarm system operated by smoke detectors shall be provided for engine room, generator room (detectors installed above the engines), accommodation cabin and wheelhouse. An audible alarm shall be fitted at the helm console.

6.ELECTRICAL, ELECTRONICS, NAVIGATION & COMMUNICATION

6.1 GENERAL

- 6.1.1 General The electrical system is a single pole protected, two wires, insulated return system throughout meeting Class requirements. All banks of batteries are charged by main engine driven alternators.

Electrical Supply System:

- (i) 230Volt, single phase, 50Hz A.C. system and
- (ii) 12 volt / 24 volt, D.C. system
- (iii) Generating set with 20% reserve capacity
- (iv) Two main engine driven, 24 volt alternators

- 6.1.2 Cable The supply to all equipment shall be through cables and/or flexible cables as per IRS/IACS rules. All wiring shall be routed through suitable cable tray/ trunking and/or conduit as per standard boat building practice. Cables to meet Rule requirements

- 6.1.3 Engine Wiring All wiring on main engines shall be as per manufacturer standard cable (suppliers cable) or shall be as per as per rules. All wiring on engines shall be adequately protected from mechanical damage and shall be substantially clipped. The wiring shall be run to avoid contact or proximity to high temperature surfaces of the engine.

- 6.1.4 Main Switchboard Main switch board shall be located in the WH. Generating sets shall be of adequate capacity to meet the total load including 230 V AC lighting and air- conditioning with at least 20% reserve capacity. Two sets of batteries with charging facility shall be provided. FRP battery boxes with waterproof lids and acid resistant lining shall be positioned securely. Selector switch shall be provided so that each engine can be started from either bank of batteries. All electrical fitting shall be of weatherproof marine type. All system, equipment and wiring shall be the requirement of the rules of classification society

6.2 DC SYSTEM:

- 6.2.1 General 12v /24v fully insulated two wires system if fitted in metal trunking in machinery space/ plastic outside and protected in

		the positive pole. All requirement control switches are readily accessible.	
6.2.2	Distribution	Each bank of batteries shall be isolated by a double-pole isolating switch and a single pole switch is provided for cross generation, engine starting in emergency and coupling of the batteries. These isolating switches are provided to supply the main distribution board switch board and individual circuits.	
6.2.3	Circuit breakers	No Off Specified type	Dependent upon ancillaries Thermal single pole switch / breakers
		Positioned on a main distribution board or wheelhouse console	
6.2.4	Isolation Switches	As required	
6.2.5	Battery Parallel Switch	As required	
6.2.6	Wipers	Bridge window heavy duty wipers & one clear view screen at front window shall be provided	
6.3	AC SYSTEM		
6.3.1	Shore Supply	One 230 volt, single phase, weather proof, shore power inlet shall be fitted externally on the Wheelhouse aft bulkhead. A 50 meter cable fitted with a shore supply plug shall be supplied along with reel for storage.	
6.3.2	Power supply	<p>Battery system of adequate capacity with independent charging facility shall be provided for starting of main engines/ Generator sets and meeting emergency load such as Navigational aids, communications and emergency lighting etc. backup upto 8 hrs.</p> <p>The power generated by DG shall be adequate for all auxiliary systems, heating, ventilation, air conditioning, lighting and kitchen loads.</p>	
6.3.3	Battery Charger	No Off	One
		<p>Positioned suitably and arranged to charge all battery banks.</p> <p>The marine battery charger is automatically wired into the electrical system for battery charging.</p>	

The installed battery charger shall be made of corrosion proof materials and provided with all needed protections for safety. The charger shall have the ability to charge many batteries simultaneously, giving preference to the flattest. Compatible with the above selected generator. The charger shall be connected with a remote display.

6.4 **LIGHTING**

- | | | | |
|-------|---------------------|--|-------------------------------|
| 6.4.1 | Internal Lighting | LED lighting shall be fitted throughout the Crafts with special purpose bunk lights, etc. as required.
All general lights shall be fitted with control switches sited in close proximity to the entrance to the compartment. | |
| 6.4.2 | Instrument Light | Instrument illumination units shall be fitted behind the fascia of the Wheel house console. The units are fitted with a dimming rheostat in each circuit on each panel. | |
| 6.4.3 | Navigation Lights | Port, starboard, masthead, stern, anchor and 2NUC lights shall be provided. As per international rules for protection of collision at sea shall be provided.
Switches for these lights shall be fitted on a control panel along with a bulb failure alarm system in the Wheelhouse console. | |
| 6.4.4 | Search Light | Search lights for 360 degree coverage with remote operation from wheel house of min. 200W with Xenon lamp (Min 200 mtr range)
Positioned on Wheelhouse roof with control from wheelhouse position. | |
| 6.4.5 | Blue Flashing Light | No Off
Type | One
Police siren and light |
| | | Fitted on the mast and controlled from the helm console. | |
| 6.4.6 | Deck Flood Lights | No Off | Six |
| | | 2 nos. each facing starboard, port and aft shall be fitted | |
| 6.4.7 | Automatic emergency | Provision for Automatic emergency Lighting shall be provided | |

	Lighting	as per class requirements	
6.5	SOCKETS		
6.5.1	Power Outlets	230 volt single-phase power outlets shall be fitted in the Craft.	
6.5.2	DC	No Off Type	Two One internal 12/24vDC for portable Equipment and one external watertight.
6.5.3	AC	No Off Type	Three 3-Pin double switched socket fitted in the Wheelhouse, pantry and Machinery Space.
6.6	NAVIGATION AIDs		
6.6.1	Radar	No Off Type	One High resolution radar High resolution 24NM radar able to track 10 targets simultaneously of reputed make consisting of color min. 7" radar monitor located in the Wheelhouse and an enclosed radome scanner mounted on the mast.
6.6.2	GPS/Echo Sounder/Chart Plotter	No Off Type	One One composite GPS/Echo Sounder (dual frequency type of precise depth measurement) / Chart Plotter of any reputed make with chart Cardin wheelhouse shall be provided to suit speed requirement and shall be integrated with the radar and shall have multifunctional display. In addition, one set of navigation chart instruments shall be also provided.
6.6.3	Magnetic Compass and binnacle	No Off Type	One Reputed make magnetic compass capable of being operational at high speeds. The compass shall be of 100mm diameter fitted in the wheelhouse at suitable location to facilitate navigation of an approved electromagnetic compass which is luminous and deviation card.

6.6.4	Loud Hailer	No Off	One set With Speaker forward and aft.
6.6.5	Electric Horn/ whistle	One Electric whistle / horn shall be fitted.	
6.6.7	Police Siren	No Off	One
6.6.8	AIS Type A	No Off	One
6.6.9	<u>Binoculars:</u> i. One Marine binocular of Magnification 7X50 complete with protection case shall be supplied of reputed make. ii. One Night Vision binocular shall be provided.		
6.6.10	One Barometer, Anemometer, inclinometer and wet & dry bulb thermometer in the Wheelhouse shall be supplied.		
6.6.11	Navigational lights	Navigational lights as per COLREG 1972 as amended rules as applicable shall be provided	
6.6.12	Additional items	Following additional items shall be provided: 1. Ship's clock- one 2. Navigational chart instruments with chart table with parallel ruler – 03 Nos and divider – 02 Nos & locker-one set 3. First Aid box.	
6.7	COMMUNICATION EQUIPMENT		
6.7.1	VHF Radio (Marine) with DSC Capabilities	No Off Type	One 25W VHF TX /RX multi-channel marine radio telephone shall be provided positioned in the wheelhouse.
6.7.2	Police Radio	No Off	One
6.7.3	Walkie –Talkies	Two marine two-way radios shall be provided	

7.INTERIOR FIT-OUT ITEMS

7.1	GENERAL	<p>The vessels shall be laid out as per technical specification.</p> <p>All accommodation areas shall have sharp corners eliminated to prevent injury to personnel in extreme adverse weather conditions.</p> <p>Suitable and adequate handrails and handholds are provided for safe passage throughout the vessel whilst at operation.</p> <p>All fittings and equipment required for the operation of the vessel shall be supplied.</p>	
7.2	INSULATION		
7.2.1	Machinery Space	Forward bulkhead, deck head and hull side adjacent to forward bulkhead shall be lined with acoustic insulation.	
7.3	FOREPEAK		
7.3.1	General	A watertight compartment laid out generally in accordance with class rules.	
7.3.2	Access to Forepeak	No Off Type	One Watertight hatch.
7.4	WHEELHOUSE:		
7.4.1	General	<p>Laid out generally in accordance with class rules The wheelhouse shall be fully enclosed type with weather tight door made out of FRP/Aluminum shall be fitted at the aft. The Wheelhouse is air conditioned and will house the pilot console, a lounge for 20 persons (convertible to 2 beds for rescued sick persons in emergency) an adjacent pantry and toilet.</p> <p>All round visibility from wheel house shall be catered. The front window of wheel house shall be protruding outward from vertical for better vision. Lighting including dedicated lighting to dedicated seating positions. Provision of wall mounted fan in cabin to be catered. Lockers and dressers to keep personal belongings/uniforms shall be provided.</p>	
7.4.2	Instrument	<p>A non-glare black GRP molding positioned as required immediately behind the windscreen and fitted with all instrumentation, displays & gauges and controls as specified.</p> <p>Lockable stowage space for charts/log books navigation lights and equivalent and VHF walkie-talkie shall be provided.</p>	

7.4.3	Aft Bulkhead	GRP and marine ply/core cell bulkhead.	
7.4.4	Helm/Pilot Seat	No Off	One
		Fitted with suspension controls, armrests and lap belt. A footrest is provided in the console from. The seat is mounted on an individual molded GRP seat box, stowage within accessed through a hatch.	
7.4.5	Crew Seat	No Off	One beside helm seat
7.4.6	Seating for personnel	No Off	A lounge for 5-6 persons (convertible to 2 beds for rescued sick persons in emergency)
7.4.7	Internal Handrails	As required	
7.4.8	Internal Grab handles	As required	
7.4.9	Coat Hooks	No Off Type	As required C.P.Brass
7.4.10	Clock	No of	One
		Secured to the Wheelhouse aft bulkhead	
7.4.11	Galley/Pantry	One galley shall be provided, consisting of: <ol style="list-style-type: none"> i. One 230V electric cooking range/min. Two hot plates ii. Working services (Stainless steel) iii. Utensil for cooking food for 5-6 men onboard & stowage. iv. Ventilation & air extraction v. Waste disposal unit vi. One Microwave Oven vii. 12/24 V & 220 V power supply viii. One small capacity refrigerator ix. One Teakettle x. Sink, single bowl set into bench top xi. Pressurized water with tap xii. Cupboards and shelving xiii. Small RO plant to meet the requirement of onboard personnel. 	

7.5	TOILET	One toilet with sewage treatment plant shall be provided in the wheel house. It is fitted with following One (1) One water closet, One (i) Wash basin	
7.6	STOWAGE	The following shall be provided: a. Anchor locker in the forepeak with water tight hatch b. Hinged lockable door within the helm console. c. Suitable lockers for stowage of stretcher, first aid kit & crew belongings.	
7.7	MACHINERY SPACE		
7.7.1	General	A watertight compartment laid out generally in accordance with the class rules	
7.7.2	Engine Hatch	No Off Type	As per design As per design
		Positioned in aft deck. One emergency hatch is also provided.	
7.7.3	Sole	Non-slip finish perforated aluminum alloy with all sections removable for access to the bilge, fitted between the main hull stiffeners.	

8.EXTERIOR FIT-OUT ITEMS

8.1 WINDOWS DOORS AND HATCHES

8.1.1 General

Marine watertight windows approved by Classification Society made to national / international standards shall be used.

Marine watertight hatches approved by Classification Society made to national/international standards shall be used. Engine room shall be provided with flush type maintenance hatches, approved by Classification Society.

All fittings shall be of anti-corrosive material. All fittings exposed to river water shall be resistant against corrosion, oxidation and galvanic action. Doors and hatches providing access from the outer decks into the super structure to be weather tight and single wheel lever operated. Weather tight doors and hatches are to be fitted with arrangements for securing them in an open position and are to be provided with pad locks to a master key arrangement.

8.1.2 Windscreen wipers

No Off
Type

Two
Bridge window heavy duty wipers shall be provided for front window

8.1.3 Windows

No Off

As required
Two each side, from port, stbd, front and aft

8.1.4 Wheelhouse door

No Off

One

8.2 EXTERNAL FIT-OUT:

8.2.1 Transom plat form

A low level platform at the rear end of the boat shall be provided to facilitate picking up men or material from water.

8.2.2 Aft Deck Seating

The aft deck will have space for accommodating 10 rescued persons (in foldable chairs) and 2 persons in stretcher on deck. A removable lightweight heavy duty awning shall be provided on aft deck.

8.2.3 Rescue Net

Rolled up rescue nets will be hung from both sides of boat for the persons in water to climb up the boat.

8.3 ANCHORING, MOORING & TOWING:

- | | | | |
|-------|------------------------------------|--|--|
| 8.3.1 | General | Anchoring, mooring and towing arrangement meeting Classification Society requirement shall be provided, Proper stowage for anchor shall be provided. The weight of the anchor and chain/ iron rope to have capability to hold the craft in deep water, heavy current in river during rough weather conditions. The length of anchor chain/ iron rope should be not less than 120 meter with adequate breaking strength. A vertical capstan/windlass shall be provided. | |
| 8.3.2 | Anchor & Anchor Chain Rope | No Off | As per the class requirement shall be provided. The complete system shall have galvanic protection inside cable locker. |
| 8.3.3 | Bollards Mooring & Towing | No Off Type | Six
Stainless steel 316 of robust design, three forward, and three aft as per national / international standards shall be provided. Towing bollards for being towed and towing small craft shall be provided. |
| 8.3.4 | Cables/Ropes | Shall be As required by the Classification Society rules. | |
| 8.3.5 | Chain Locker | Chain locker shall be rubber lined with bitter end fastenings. | |
| 8.3.6 | Mooring Bits / Warps and Fairleads | Shall be As required by the Classification Society rules | |
| 8.3.7 | Bow Roller | Stainless Steel, to suit anchor cable/rope. | |

8.4 LIFE SAVING AND SAFETY GEAR:

- | | | | |
|-------|-----------|--|--|
| 8.4.1 | General | Lifesaving appliances as per the Statutory requirements for the Craft shall be provided. Stowage space shall be provided for life jacket and mounting brackets for life buoys. Life saving equipment shall be SOLAS/MMD/IRS/IACS approved type | |
| | | Following minimum appliance of approved type shall be provided: | |
| 8.4.2 | Life raft | No Off Type | Two
6 men capacity fitted one on each side with HRU |

8.4.3	Life jackets	No Off Type	24 Adult SOLAS approved
8.4.4	Lifebuoy	No Off Type	10 30”diameter SOLAS approved. (Two with life line and two with light and smoke signal)
8.4.5	Flares Pack	No Off Type	One SOLAS Set
			Comprising 6 red rocket parachute flares, 12 red hand flares and 2 orange buoyant smoke signals/markers.
8.4.6	SignalingMirror	No Off Type	One Daylight signaling
8.4.7	Torch	No Off Type	One Waterproof electric torch suitable for Morse signaling.
8.4.8	Whistle	No Off Type	One Whistle or equivalent sound signal
8.4.9	One buoyant safety knife shall be provided. One bucket shall be provided		
8.4.10	Hand held spotlight with wander leads x 2, Low level deck lighting as per design.		
8.4.12	Stretcher Two nos. stretchers with security arrangement for medical evacuation shall be provided.		
8.5	FENDERING:	Rubber fender provided all around. The material shall be of low weight with high shock absorbing and good buoyancy.6 Nos pneumatic fender size 2.5 feet x 1 feet to be provided with the boat for additional safety.	
8.6	GUARDRAILS:		
8.6.1	Handrails	Stainless steel 316 hand /grab rails shall be fitted throughout accommodation and service areas for safety of personnel on board.	
8.6.2	Guardrails	Stainless Steel 316 guard rails all-round the main deck for safety of crew and personnel shall be provided	

8.7	MAST	No Off Type	One SS / Aluminum Mast collapsible type as per class rules mounted on the Wheelhouse roof shall be provided. Provision of protection form lighting to be catered.
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9. PAINTING & FINISHING

9.1 EXTERNAL FINISHES:

9.1.1 Anti-fouling

Hull below W/L –Antifouling paint, tin-free type. Tin free anti fouling pain system as per latest IMO regulations shall be applied to hull bottom (below waterline). Other areas shall be painted/gel coated as per owner requirement and specification. Paint system from reputed makers is to be applied internally and externally, as per maker recommended scheme, suitable for FRP Boats.

9.1.2 Deck Non-slip deck painted.

9.2 INTERNAL FINISHES:

9.2.1

Internal Structure :Accommodation shall be panelled internally with laminated boards and insulation where required. PVA/PVC floor mats/tiles shall be provided.

Location	Sole	DK HD	Sides	Bulkheads
Forepeak	Not applicable	As molded	As molded	Painted
Forward	Non-slip	White	White	Painted
Cabin	Paint	Gelwash	Gelwash	-
Machinery space	Intumescent Gelcoat	Intumescent Gelcoat	Intumescent Gelcoat	Intumescent Gelcoat
Tank Space	As molded	As molded	As molded	Painted
Wheelhouse	As molded	White plastic leather material	Foam backed white vinyl around windows and side	White plastic leather material

9.3 COLORS To be informed later.

9.4 SIGN WRITING:

9.4.1 General Signs–Plates–Markings As required by Classification

9.4.2 Lifebuoys Lifebuoys shall be marked with vessels name.

9.4.3 Hull The crafts name ID No. crafts's emblem is to be affixed to both sides of the hull at super structure level. The craft's name, ID No., Purchaser emblem to be affixed on transom. Size and location to be as per approved drawing.

9.5 DRAFT MARKS As per class requirement

10. LOOSE ITEMS

10.1 MISCELLANEOUS

10.1.1	First Aid Box	No Off	One
10.1.2	Boat hook	No Off	One
10.1.3	Mooring Lines	As per requirement	
10.1.4	Signal lamp	No Off Type	One Aldis signaling lamp Hand Held Signaling
10.1.5	Safety Knife	No Off Type	One Buoyant safety knife
10.1.6	Seaman knife	No Off	Four
10.1.7	Foldable Ladder	2 folding type Aluminum Ladders shall be provided on either side of the boat	
10.1.8	Stowage	All above items shall be stowed suitably onboard.	
10.1.9	Submersible pump	One additional submersible pump shall be provided	
10.1.10	Lifting Arrangement	Four point lifting arrangement with dedicated sling arrangement to be provided.	

10.2 PORTABLE FIRE FIGHTING EQUIPMENT:

10.2.1	General	Stowage of equipment shall be accordance with the 'Safety /FFA Plan' displayed onboard in Wheelhouse or at a convenient location.	
10.2.2	Automatic Firefighting equipment	Automatic fire fighting arrangements in engine room and accommodation area shall be provided as per class requirements	
10.2.3	Portable hand Extinguishers	Portable fire extinguisher shall be provided through out the vessel as required to meet the class/SOLAS requirements. However, the minimum quantity shall be as follow;	

		(i)	DCP of 4.5Kgs each	–	2 Nos
		(ii)	CO2 of 5Kgs	–	1No
		(iii)	AFFF of 9 Liters	–	3Nos
10.2.4	Fi – Fi Equipment	Fireman’s axe, hammer and other damage control accessories as required shall be provided.			
10.2.5	Fire Hose	No Off Type	One Std. marine size lay-flat fire hose x 10meters	Supplied with a hydrant connector and a 10mm or suitable diameter jet cum spray nozzle.	
10.2.6	Fire Bucket	No Off	One		
10.3	TOOLS	Basic boat maintenance kit. Special tools as specified by OEM for maintenance of major machinery to be provided including but not limited to following.			
		Open spanner set – One			
		Socket spanner set – One			
		Torque spanner set – One			
		Feeler gauge – One			
		Screw driver sets – Two			
		Allen Key set –One			
		T-handle set –One			
		Electrical repair tool kit – One			

12. PROPULSION SYSTEM

- | | | |
|------|----------------|--|
| 12.1 | Engine | 2 X In-board Diesel Engine turbo-charged and after-cooled inboard marine diesel engines developing enough power <u>to meet the speed criteria as per clause 1.15</u> of any reputed brand having indigenous product support facilities <u>duly type approved by any member of IRS/IACS</u> and having not less than 2500 hours operating profile per year. |
| 12.2 | Gearbox | One of the following Gear Box make , models shall be installed on the boats:
Any reputed brand having indigenous product support facilities <u>duly type approved by any member of IRS/IACS.</u> |
| 12.3 | Propulsion | Twin screw conventional propulsion system. |
| 12.4 | Diesel Gen Set | 1 no of Marine DG of suitable capacity of any reputed brand having indigenous product support facilities <u>duly type approved by any member of IRS/IACS</u> shall be provided. Type, Quantity & capacity of generator shall meet IRS/IACS Class requirement. |

4. Drawings

These Bidding Documents includes no drawings.

The Bidder has to submit a conceptual drawing alongwith the Technical Proposal. All conceptual design work shall be based on review and study of (i) the characteristics of the river systems in Assam, (ii) Indian, State and Classification Society Rules and Regulations. The rules for Classification Society approval shall be those made by a Classification Society that is a member of the International Association of Classification Societies. The bidder should include but not limited to the following drawings and details in the bid for the offered vessels :

- a. GA drawings and line diagram
- b. Structural Drawing
- c. Preliminary stability calculation
- d. System drawings (Line diagram)
- e. Electrical load calculation
- f. Power and Endurance Calculations

5. Inspections and Tests

The following inspections and tests shall be performed:

1. General definitions

Throughout this specification, the following general definitions shall apply:

Inspection:

A check to ensure that all portions of the vessel, its fittings, machinery, piping, electrical systems, deck fittings, mooring arrangements, anchoring arrangement, and other such items as may be required by the Specification, have been built or installed in accordance with the requirements of the specification.

Test:

A formal procedure to prove that a designated system is operational and meets the performance requirements of the specification.

TRIALS PROGRAMME:

General

The following comprehensive trials program shall be under taken by the builders at the Collaborator/ BUILDER yard in accordance with the standard trials and program and to the satisfaction of the Surveying Authority. Trial shall also be witnessed by the owner or authorised representative. All trials cost shall be at the expense of the Builder. For boats tested at the Collaborators yard, the trials shall also be validated in local waters except stability trial. Wind strength, water and air temperatures and barometer readings shall be accorded.

Trials shall consist of:

a) Basin Trials:

- I. Swamp test as per class requirement
- II. Inclining experiment
- III. Floatation trials
- IV. Basin/Mooring trails
- V. Boat systems

Note: Swamp test, weighing test and inclining experiment shall be carried out as per class requirement.

b) Water Trials:

- I. Fuel consumption trial on various speeds (for the 1st vessel only as per Class norms).
- II. Speed trials
- III. Range/Endurance trials

- IV. Performance trials
- V. Maneuvering, astern& crash stop trials.
- VI. Turning Trail
- VII. Steering Trail
- VIII. Ventilation Test
- IX. Electrical Load test.

TRIALS DATA

One copy of all trials data shall be supplied with the vessels. Video footage on CD and photographs of all trials shall also be provided.

2. General requirements

The Supplier is to prove that all work is in accordance with the project requirements. Every watertight or weather-tight compartment, every piping system, every moving part, and every piece of equipment or machinery shall be tested under as near normal operating conditions as circumstances will allow, and demonstrated to the Purchaser and Classification Society satisfaction to be functioning properly in every respect before leaving Supplier's yard on delivery voyage.

The Supplier shall submit a proposed Schedule of Tests and Trials for Purchaser's approval at an early stage in construction and not less than two months prior to the commencement. Reasonable notice (not less than 5 business days) shall be given to Purchaser and Classification Society of all tests and trials. All tests and trials shall be witnessed by the on-site inspector and Classification Society, as required. The attendance of such witnesses does not relieve the Supplier of the responsibility of complying with specified requirements.

The Supplier shall keep a complete record of all tests and trials data, and give the original and two copies to Purchaser. The Supplier will maintain detailed records of all tests and inspections performed to demonstrate conformance with the project requirements. The Supplier will provide, calibrate and maintain inspection measuring and testing devices suitable to demonstrate conformance with the project requirements.

The Supplier is responsible for any test and trials carried out to sub-contracted items. This is to include mandatory hold points for inspection, review of the sub-Supplier's documentation as required by the applicable quality program standard and access to the premises by the Purchaser for verification of the Supplier's compliance with the project requirements. Acceptance of a test or trial by the Purchaser does not absolve the Supplier from correcting defects in tested portion that appear after the test.

3. Classification Society

The Classification society shall be authorized to approve or reject the work.

4. Additional representatives

The Purchaser may appoint additional representatives to attend to the vessels throughout the construction period and to attend all tests and trials in order to familiarize themselves with the operation of the vessel and its equipment.

5. Production schedule

The Supplier shall provide the Purchaser, with a Production Schedule, and thereafter a monthly report showing actual against planned progress, and explanations of any delays. Supplier shall notify Purchaser immediately on receipt of information affecting the delivery of the vessel.

The schedule is to be prepared with due consideration for all related work and constraints, including the following:

- Workforce and facilities, including sub-Suppliers
- Acquisition, contracting and procurement
- System Engineering
- Vendor drawings
- Working drawings
- Documentation
- Quality Assurance
- Test and Trials

The schedule is to identify the critical path, major equipment delivery, planned start and completion dates, approval dates, planned test/trial dates.

The pre-agreed Milestone payments are to be shown on the schedule.

6. Structural testing

Material and structure is to be tested as per classification requirement.

7. Compartment testing and inspection

The Supplier may determine which method may be employed to ensure that the shell, bulkheads and decks are all watertight as intended; however, he will be responsible for repairing any leaks which are found in these compartments up to the end of the warranty period.

The method chosen shall be acceptable to the Purchaser and Classification Society. The Supplier shall be responsible for tampering and damage before handover. All shell, bulkheads, connections, hatches and closures shall be tested in the presence of

Purchaser's Representative. The Supplier may make air tests, provided the pressure used does not exceed the equivalent of the head of water required for hydrostatic tests in each case. All windows and weather tight doors shall meet all Class Requirements for hose test.

All compartments shall be submitted for a dry inspection before hydrostatic testing if applicable, and before painting, insulation or other outfitting. All compartments subject to hydrostatic tests are to be wiped dry and prepared for visual inspection. Interior finishing and painting of compartments shall be submitted for inspection as each stage is completed.

8. Painting

Painting scheme from reputed paint manufacturers (namely Sigma, Akzonobel, Jotun, similar is to be adopted for the vessel. External underwater hull shall be quartz grid/copper slag blasted to SA 2.5 grade and treated with epoxy anticorrosive system. Other surface is to be mechanically cleaned / wire brushed to SA-3 grade prior application of paint. A detailed painting scheme for every area of the vessel and its fit out is to be submitted to the owner for his approval after verification of the paint manufacturer. Use of non-toxic and non TBT containing anti-fouling paints for painting vessel.

9. System testing and inspection

All piping, ventilation and electrical systems shall be tested, with required over load conditions simulated if possible, and pressures, flow rates, currents, voltages, temperatures, etc., recorded as appropriate. The minimum standard for shop testing and trials of electrical equipment will be in accordance with IEEE 45.

At satisfactory conclusion of testing all piping and tanks shall be drained and carefully checked to ensure cleanliness and that no foreign matter remains in the system. A temporary screen shall be inserted ahead of each pump not fitted with a suction filter or strainer, as a further precaution against foreign matter, when each system is first put into operation.

In addition to static testing, all mechanical systems shall be thoroughly tested to demonstrate satisfactory workmanship, adequate strength, tightness, freedom from vibration and general suitability for the purpose intended.

10. Dock trials

Before starting up any major propulsion equipment, a thorough inspection is to be performed in the presence of the authorized representative of the manufacturer to establish cleanliness, and correctness of connections, proper lubrication and fuel supply, etc. "Dock" Trials shall be carried out at the Supplier's yard with the Supplier demonstrating proper operation and function of all systems and components of the vessel.

As a minimum, the satisfactory operation of the following equipment and services shall be demonstrated:

- Main engines start up and adjustment in presence of the supplier's representative
- Main engines operation - 1 hour
- Emergency and remote shut-off/shut-down systems
- Main Generators and Electrical Distribution System
- Hydraulic pumps
- Hydraulic motors and system
- Bilge and Fuel transfer system
- Fire pump demonstration
- Anchor winch demonstration
- Lighting, ventilating and air conditioning systems
- Alarms, monitoring equipment and safety apparatus to be tested or functionally demonstrated with respect to operation to satisfaction of Purchaser
- All navigation equipment to be functionally demonstrated to Purchaser's and
- Classification Society satisfaction

11. River Trials

River trials shall be conducted in appropriate location the Supplier's expense and including at least the following:

- Vessel's speed in loaded condition with a clean hull measured over a distance 1 nautical mile in both directions in weather with wind speeds not exceeding Beaufort wind scale 2 and a Douglas Sea State Scale 1.
- Emergency stops in loaded condition (crash stop and full ahead to full astern) Maneuvering trials;
- Operation of the vessel with either main engine unit shut down
- Electronic and navigation equipment tests and adjustments as required
- Noise level readings carried out
- Fuel and other consumables used during trials shall be to Supplier's account

12. Inclining experiment

The Supplier is responsible to conduct an inclining experiment. The vessel, in the completed state, shall be inclined in the presence of the Purchaser and Classification Society. The Supplier is to prepare an Inclining Plan for presentation to the Purchaser and shall include but is not limited to:

- A description of the mooring for the test;
- Approximate trim and, if necessary, a description of use of trimming weights;
 - Description of the weights, position, and movements of the inclining weights;
 - Pendulum locations and lengths;
 - The anticipated maximum angle of heel inclining results shall be approved by Purchaser and Classification Society and suitable for the development of a Stability Book.
-

13. Registration and tonnage

The Supplier shall have the vessel(s) measured and provide all documentation to the Purchaser for registration.

14. Warranty dry-docking

Approximately 12 months from date of delivery, the vessel will be surveyed at the Purchasers expense. The Supplier shall attend this survey, and warranty items which cannot be put right without dry-docking will be covered by the warranty even if the dry docking is postponed beyond the 12 month period due to purchaser's operating schedule.

15. Training

One week operational and onboard maintenance training to two persons (one dock side and one engineering side) is to be arranged by the shipyard with prior intimation to and approval of the purchaser for nominating their persons upon arrival of the vessels at the purchasers premises

6.0 Proforma of Certificate for issue by the Purchaser

After Successful Installation and Startup of the Supplied Goods

[This is to be attached for supply, erection, supervision of erection and startup contracts only]

No.

Date:

M/s.

Sub: Certificate of startup of the supplied Goods

1. This is to certify that the plant/s as detailed below has/have been received in good condition along with all the standard and special accessories (subject to remarks in Para No. 2) and a set of spares in accordance with the Contract/Specifications. The same has been installed and commissioned.

- (a) Contract No. _____ dated _____
- (b) Description of the plant _____
- (c) Plant Nos. _____
- (d) Quantity _____
- (e) Rail/Roadways Receipt No. _____
dated _____
- (f) Name of the consignee _____
- (g) Date of startup and proving test _____

2. Details of accessories/spares not yet supplied and recoveries to be made on that account.

<u>S. No.</u>	<u>Description</u>	<u>Amount to be recovered</u>
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3. The proving test has been done to our entire satisfaction and operators have been trained to operate the plant.
4. The supplier has fulfilled his contractual obligations satisfactorily. *

or

The supplier has failed to fulfill his contractual obligations with regard to the following:

(a)

(b)

(c)

(d)

5. The amount of recovery on account of non-supply of accessories and spares is given under Para No. 2.
6. The amount of recovery on account of failure of the supplier to meet his contractual obligations is as indicated in endorsement of the letter.

Signature

Name

Designation with Stamp

* Explanatory notes for filling up the certificates:

- (a) He has adhered to the time schedule specified in the contract in dispatching the documents/drawings pursuant to Technical Specifications.
- (b) He has supervised the startup of the plant in time i.e., within the period specified in the contract from the date of intimation by the Purchaser in respect of the installation of the plant.
- (c) Training of personnel has been done by the supplier as specified in the contract
- (d) In the event of documents/drawings having not been supplied or installation and startup of the plant have been delayed on account of the supplier, the extent of delay should always be mentioned.

PART 3 - Contract

Section VIII - General Conditions of Contract

1. Definitions

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

- (a) “Bank” means the World Bank and refers to the International Bank for Reconstruction and Development (IBRD) or the International Development Association (IDA).
- (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 India.
- (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, start-up, 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 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 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**.

2. **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.

3. **Fraud and Corruption**

3.1 The Bank requires compliance with the Bank’s Anti-Corruption Guidelines and its prevailing sanctions policies and procedures as set forth in the WBG’s Sanctions Framework, as set forth in Appendix to the GCC.

3.2 The Purchaser requires the Supplier to disclose any commissions or fees that may have been paid or are to be paid to agents or any other party with respect to the Bidding process or execution of the Contract. The information disclosed must include at least the name and address of the agent or other party, the amount and currency, and the purpose of the commission, gratuity or fee.

4. **Interpretation**

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

4.2 Incoterms

(a) Unless inconsistent with any provision of the Contract, the meaning of any trade term and the rights and obligations of parties there under shall be as prescribed by Incoterms **specified in the SCC**.

(b) The terms EXW 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.

4.3 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.

4.4 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.

4.5 Nonwaiver

- (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.

4.6 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.

5. Language

- 5.1 The Contract as well as all correspondence and documents relating to the Contract exchanged by the Supplier and the Purchaser, shall be English. 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.
- 5.2 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.

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- 6. Joint Venture, Consortium or Association**
- 6.1 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.
- 7. Eligibility**
- 7.1 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.
- 7.2 All Goods and Related Services to be supplied under the Contract and financed by the Bank 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.
- 8. Notices**
- 8.1 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.
- 8.2 A notice shall be effective when delivered or on the notice’s effective date, whichever is later.
- 9. Governing Law**
- 9.1 The Contract shall be governed by and interpreted in accordance with the laws of the Union of India.
- 9.2 Not used.
- 10. Settlement of Disputes**
- 10.1 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.
- 10.2 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**.

10.3 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.

11. Inspections and Audit by the Bank

11.1 The Supplier shall keep, and shall make all reasonable efforts to cause its Subcontractors and sub-consultants to keep, accurate and systematic accounts and records in respect of the Goods in such form and details as will clearly identify relevant time changes and costs.

11.2 Pursuant to paragraph 2.2 e. of Appendix to the General Conditions the Supplier shall permit and shall cause its subcontractors and sub-consultants to permit, the Bank and/or persons appointed by the Bank to inspect the Site and/or the 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 Bank if requested by the Bank. The Supplier's and its Subcontractors' and sub-consultants' attention is drawn to Sub-Clause 3.1 which provides, inter alia, that acts intended to materially impede the exercise of the Bank's inspection and audit rights constitute a prohibited practice subject to contract termination (as well as to a determination of ineligibility pursuant to the Bank's prevailing sanctions procedures).

12. Scope of Supply

12.1 The Goods and Related Services to be supplied shall be as specified in the Special Conditions of Contract.

13. 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**.

14. 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.

15. 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**.

16. 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 payments shall be made in Indian Rupees to the Supplier under this Contract.
- 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.

17. Taxes and Duties

- 17.1 The Supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted Goods to the Purchaser.

18. Performance Security

- 18.1 If required as specified in the **SCC**, the Supplier shall, within twenty-one (21) 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 Indian Rupees, and shall be in the format stipulated by the Purchaser in the **SCC**.
- 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**.

19. 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

20. 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 Bank 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.

21. 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.

22. 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 VII, Schedule of Requirements.
- (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.

23. 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.

24. Insurance

24.1 Unless otherwise specified in the **SCC**, the Goods supplied under the Contract shall be fully insured 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**.

25. Transportation and Incidental Services

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

25.2 The Supplier may be required to provide any or all of the following services, including additional services, if any, specified in Schedule of Requirements and **SCC**:

- (a) performance or supervision of on-site assembly and/or start-up of the supplied Goods;
- (b) furnishing of tools required for assembly and/or maintenance of the supplied Goods;
- (c) furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods;
- (d) performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and
- (e) training of the Purchaser's personnel, at the Supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods.

25.3 Prices charged by the Supplier for incidental services, if not included in the Contract Price for the Goods, 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

26. 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.

27. 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.

28. 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, 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.

29. 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.

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| 30. Limitation of Liability | <p>30.1 Except in cases of criminal negligence or willful misconduct,</p> <ul style="list-style-type: none"> (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 |
| 31. Change in Laws and Regulations | <p>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 India 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.</p> |
| 32. Force Majeure | <p>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.</p> <p>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.</p> <p>32.3 If a Force Majeure situation arises, the Supplier shall promptly</p> |

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.

33. 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 **Value Engineering:** Unless otherwise specified in the SCC the Supplier may prepare, at its own cost, a value engineering proposal at any time during the performance of the contract. The value engineering proposal shall, at a minimum, include the following;

- (a) the proposed change(s), and a description of the difference to the existing contract requirements;
- (b) a full cost/benefit analysis of the proposed change(s) including a description and estimate of costs (including life cycle costs) the Purchaser may incur in implementing the value engineering proposal; and
- (c) a description of any effect(s) of the change on

performance/functionality.

The Purchaser may accept the value engineering proposal if the proposal demonstrates benefits that:

- (a) accelerates the delivery period; or
- (b) reduces the Contract Price or the life cycle costs to the Purchaser; or
- (c) improves the quality, efficiency or sustainability of the Goods; or
- (d) yields any other benefits to the Purchaser,

without compromising the necessary functions of the Facilities.

If the value engineering proposal is approved by the Purchaser and results in:

- (a) a reduction of the Contract Price; the amount to be paid to the Supplier shall be the percentage specified **in the PCC** of the reduction in the Contract Price; or
- (b) an increase in the Contract Price; but results in a reduction in life cycle costs due to any benefit described in (a) to (d) above, the amount to be paid to the Supplier shall be the full increase in the Contract Price.

33.5 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.

34. 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.

35. 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 paragraph 2.2 a of the Appendix to the GCC, 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.

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| 36. 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. |
| 37. Export
Restriction | 37.1 Not applicable. |

APPENDIX TO GENERAL CONDITIONS

Fraud and Corruption

(Text in this Appendix shall not be modified)

1. Purpose

1.1 The Bank's Anti-Corruption Guidelines and this annex apply with respect to procurement under Bank Investment Project Financing operations.

2. Requirements

2.1 The Bank requires that Borrowers (including beneficiaries of Bank financing); bidders, consultants, contractors and suppliers; any sub-contractors, sub-consultants, service providers or suppliers; any agents (whether declared or not); and any of their personnel, observe the highest standard of ethics during the procurement process, selection and contract execution of Bank-financed contracts, and refrain from Fraud and Corruption.

2.2 To this end, the Bank:

- 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 misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain 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:
 - (a) deliberately destroying, falsifying, altering, or concealing of evidence material to the investigation or making false statements to investigators in order to materially impede a Bank 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
 - (b) acts intended to materially impede the exercise of the Bank's inspection and audit rights provided for under paragraph 2.2 e. below.

- b. Rejects a proposal for award if the Bank determines that the firm or individual recommended for award, any of its personnel, or its agents, or its sub-consultants, sub-contractors, service providers, suppliers and/ or their employees, has, directly or indirectly, engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices in competing for the contract in question;
- c. In addition to the legal remedies set out in the relevant Legal Agreement, may take other appropriate actions, including declaring misprocurement, if the Bank determines at any time that representatives of the Borrower or of a recipient of any part of the proceeds of the loan engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices during the procurement process, selection and/or execution of the contract in question, without the Borrower having taken timely and appropriate action satisfactory to the Bank to address such practices when they occur, including by failing to inform the Bank in a timely manner at the time they knew of the practices;
- d. Pursuant to the Bank's Anti- Corruption Guidelines and in accordance with the Bank's prevailing sanctions policies and procedures, may sanction a firm or individual, either indefinitely or for a stated period of time, including by publicly declaring such firm or individual ineligible (i) to be awarded or otherwise benefit from a Bank-financed contract, financially or in any other manner;⁸ (ii) to be a nominated⁹ sub-contractor, consultant, manufacturer or supplier, or service provider of an otherwise eligible firm being awarded a Bank-financed contract; and (iii) to receive the proceeds of any loan made by the Bank or otherwise to participate further in the preparation or implementation of any Bank-financed project;
- e. Requires that a clause be included in bidding/request for proposals documents and in contracts financed by a Bank loan, requiring (i) bidders, consultants, contractors, and suppliers, and their sub-contractors, sub-consultants, service providers, suppliers, agents personnel, permit the Bank to inspect¹⁰ all accounts, records and other documents relating to the submission of bids and

⁸ For the avoidance of doubt, a sanctioned party's ineligibility to be awarded a contract shall include, without limitation, (i) applying for pre-qualification, expressing interest in a consultancy, and bidding, either directly or as a nominated sub-contractor, nominated consultant, nominated manufacturer or supplier, or nominated service provider, in respect of such contract, and (ii) entering into an addendum or amendment introducing a material modification to any existing contract.

⁹ A nominated sub-contractor, nominated consultant, nominated manufacturer or supplier, or nominated service provider (different names are used depending on the particular bidding document) is one which has been: (i) included by the bidder in its pre-qualification application or bid because it brings specific and critical experience and know-how that allow the bidder to meet the qualification requirements for the particular bid; or (ii) appointed by the Borrower.

¹⁰ Inspections in this context usually are investigative (i.e., forensic) in nature. They involve fact-finding activities undertaken by the Bank or persons appointed by the Bank to address specific matters related to investigations/audits, such as evaluating the veracity of an allegation of possible Fraud and Corruption, through the appropriate mechanisms. Such activity includes but is not limited to: accessing and examining a firm's or individual's financial records and information, and making copies thereof as relevant; accessing and examining any other documents, data and information (whether in hard copy or electronic format) deemed relevant for the investigation/audit, and making copies thereof as relevant; interviewing staff and other relevant individuals; performing physical inspections and site visits; and obtaining third party verification of information.

contract performance, and to have them audited by auditors appointed by the Bank.

Section IX - 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 is: Assam Inland Water Transport Development Society, Street Address: Directorate of Inland Water Transport, Assam Ulubari Floor/ Room number: 3 rd Floor City: Guwahati, Assam ZIP Code: 7810 017 Country: India Telephone: +91 361 2462677
GCC 1.1 (o)	The Project Site(s)/Final Destination(s) is: Guwahati, Assam, India
GCC 4.2 (a)	The meaning of the trade terms shall be as prescribed by Incoterms.
GCC 4.2 (b)	The version edition of Incoterms shall be 2010 or latest
GCC 8.1	For <u>notices</u> , the Purchaser's address shall be: Attention: Deputy State Project Director, Assam Inland Water Transport Development Society, Street Address: Directorate of Inland Water Transport, Assam Ulubari Floor/ Room number: 3 rd Floor City: Guwahati, Assam ZIP Code: 7810 017 Country: India Telephone: +91 361-2462677 Facsimile number: NA Electronic mail address: <i>dir.iwtds-as@gov.in</i>
GCC 10.2	The rules of procedure for adhoc arbitration proceedings pursuant to GCC Clause 10.2 shall be as follows: (a) In case of Dispute or difference arising between the Purchaser and a domestic supplier relating to any matter arising out of or connected with this agreement, such disputes or difference shall be settled in accordance with the Arbitration and Conciliation Act, 1996. The arbitral tribunal shall consist of 3 arbitrators one each to be appointed by the Purchaser and the Supplier. The third Arbitrator shall be chosen by the two Arbitrators so appointed by the Parties and shall act as Presiding arbitrator. In case of failure of the two arbitrators appointed by the parties to reach upon a consensus within a period of 30 days from the appointment of the arbitrator appointed subsequently, the Presiding Arbitrator shall be appointed by the

	<p>*Indian Council of Arbitration/president of the institution of Engineers (India)/The International center for Alternative Dispute Resolution (India).</p> <p>(b) If one of the parties fails to appoint its arbitrator in pursuance of sub-clause (a) above, within 30 days after receipt of the notice of the appointment of its arbitrator by the other party, then the *Indian Council of Arbitration/president of the Institution of Engineers (India)/The International Centre for Alternative Dispute Resolution (India), shall appoint the arbitrator. A certified copy of the order of the Indian Council of Arbitration/President of the Institution of Engineers (India), making such an appointment shall be furnished to each of the parties.</p> <p>(c) Arbitration proceedings shall be held at Guwahati India, and the language of the arbitration proceedings and that of all documents and communications between the parties shall be English.</p> <p>(d) The decision of the majority of arbitrators shall be final and binding upon both parties. The cost and expenses of Arbitration proceedings will be paid as determined by the arbitral tribunal. However, the expenses incurred by each party in connection with the preparation, presentation etc. of its proceedings as also the fees and expenses paid to the arbitrator appointed by such party or on its behalf shall be borne by each party itself.</p> <p>(e) Where the value of the contract is Rs. 10 million and below, the disputes or differences arising shall be referred to the Sole Arbitrator. The Sole Arbitrator should be appointed by agreement between the parties; failing such agreement, by the appointing authority namely the Indian Council of Arbitration/</p> <p>(f) Except as otherwise agreed to by the Parties, Arbitrators should give a decision in writing within 120 days of receipt of notification of dispute</p> <p>Any dispute or difference whatsoever arising between the parties out of or relating to the supply, erection, meaning, scope, operation or effect of this contract or the validity or the breach thereof shall be settled by arbitration in accordance with the Rules of Domestic Commercial Arbitration of the Indian Council of Arbitration and the award made in pursuance thereof shall be binding on the parties.</p> <p>The arbitral tribunal shall consist of 3 Arbitrators, arbitration proceedings shall be held at Guwahati, India and the language of the arbitration proceedings and that of all documents and communications between the parties shall be English. <i>[ICA rules provide for arbitration tribunal of 3 arbitrators if the value of claim is over Rs 1 crore unless the parties have agreed otherwise for a sole arbitrator].</i></p> <p>Except as otherwise agreed to by the Parties, Arbitrators should give a decision in writing within 120 days of receipt of notification of dispute.</p>
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GCC 12.1	The scope of supply for the Goods and Related Services to be supplied shall be as specified below: Supply, Installation & Commissioning of 3 NOS. Shore Station based Search & Rescue cum Surveillance
GCC 13.1	<p>Details of Shipping and other Documents to be furnished by the Supplier are given below:</p> <p>Upon delivery of the goods to the transporter/consignee, the supplier shall notify the purchaser and mail the following documents to the Purchaser:</p> <ul style="list-style-type: none"> (i) One original and 04(four)Copies of the Supplier invoice showing contract number, goods description, quantity, unit price, total amount; (ii) Delivery note, Railway receipt, or Road consignment note or equivalent transport document or acknowledgement of receipt of goods from the Consignee; (iii) .04(four).Copies of packing list identifying contents of each package; (iv) Insurance certificate; (v) Manufacturer's/Supplier's warranty certificate; and (vi) Inspection certificate issued by the nominated inspection agency, and the Supplier's factory inspection report; <p>The above documents shall be received by the Purchaser before arrival of the Goods (except where it is handed over to the Consignee with all documents)and, if not received, the Supplier will be responsible for any consequent expenses.</p> <p>(a) <u>For Goods supplied from abroad:</u></p> <p>GC 13.1 Within 24 hours of shipment, the Supplier shall notify the Purchaser and the Insurance Company by cable or telex or fax the full details of the shipment including Contract number, description of goods, quantity, the vessel, the bill of lading number and date, port of loading, date of shipment, port of discharge, etc.The Supplier shall mail the following documents to the Purchaser, with a copy to the Insurance Company:</p> <ul style="list-style-type: none"> (i) One original and four copies of Supplier's invoice showing contract number, goods description, quantity, unit price and total amount; (ii) Original and two copies of the negotiable, clean, on-board bill of lading* or Airway bill or equivalent transport document marked freight prepaid and Original and two

	<p>copies of non-negotiable bill of lading* <i>or Airway bill or equivalent transport document</i>;</p> <ul style="list-style-type: none"> (iii) Four Copies of packing list identifying contents of each package; (iv) Insurance certificate; (v) Manufacturer's/Supplier's warranty certificate; (vi) Inspection certificate issued by the nominated inspection agency, and the Supplier's factory inspection report; and (vii) Certificate of origin. <p>The above documents shall be received by the Purchaser at least one week before arrival of Goods at the port or place of arrival and, if not received, the Supplier will be responsible for any consequent expenses.</p> <p>Following documents to be provided by builder with each vessel on delivery - three sets in hard copy & one set in soft copy :-</p> <ul style="list-style-type: none"> a) All IRS/IACS approved drawings, booklets, manuals & trial data. b) As built final building specification, as fitted drawings and consolidated schedule of piping, painting, insulation, paneling. c) Manual with regards to installation, operation and maintenance of various equipment/fittings, systems and part identification list. d) Service manual, part catalogue/identification list of major machinery such as main engine, gear box, generators, pumps etc. and accessories. e) Docking Plan, LSA plan, Fire fighting plan along-with instruction of operating safety equipment. f) Certificate of IRS/IACS Class g) Builder's certificate h) Compass Adjustment i) Anchor & chain cable; mooring ropes certificate. <p>Major machinery (Main Engines, Gear Box, & Generators etc) Type Approval Certificate.</p> <p>(b) <u><i>For Goods from within India:</i></u></p> <p>GCC 13.1 Upon delivery of the goods to the transporter/consignee, the supplier shall notify the purchaser and mail the following documents to the Purchaser:</p> <ul style="list-style-type: none"> (i) One original and four copies of the Supplier invoice showing contract number, goods description, quantity, unit
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	<p>price, total amount;</p> <ul style="list-style-type: none"> (ii) Delivery note, Railway receipt, or Road consignment note or equivalent transport document or acknowledgement of receipt of goods from the Consignee; (iii) Four Copies of packing list identifying contents of each package; (iv) Insurance certificate; (v) Manufacturer's/Supplier's warranty certificate; (vi) Inspection certificate issued by the nominated inspection agency, and the Supplier's factory inspection report; and (vii) Certificate of origin. <p>The above documents shall be received by the Purchaser before arrival of the Goods (except where the goods are handed over to the Consignee with all documents) and, if not received, the Supplier will be responsible for any consequent expenses.</p> <p>Following documents to be provided by builder with each vessel on delivery - three sets in hard copy & one set in soft copy :-</p> <ul style="list-style-type: none"> a) All IRS/IACS approved drawings, booklets, manuals & trial data. b) As built final building specification, as fitted drawings and consolidated schedule of piping, painting, insulation, paneling. c) Manual with regards to installation, operation and maintenance of various equipment/fittings, systems and part identification list. d) Service manual, part catalogue/identification list of major machinery such as main engine, gear box, generators, pumps etc. and accessories. e) Docking Plan, LSA plan, Fire fighting plan along-with instruction of operating safety equipment. f) Certificate of IRS/IACS Class g) Builder's certificate h) Compass Adjustment i) Anchor & chain cable; mooring ropes certificate. <p>Major machinery (Main Engines, Gear Box, & Generators etc) Type Approval Certificate.</p>
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GCC 15.1	The prices charged for the Goods supplied and the related Services performed <i>shall not</i> be adjustable.
GCC 16.1	<p>GCC 16.1—Payment shall be made in Indian Rupees, as follows:</p> <ul style="list-style-type: none"> (i) Stage I: Five (5) percent of the Contract Price (on prorate basis depending on the number of vessels being manufactured) on keel laying duly certified by the classification society and submission of classification approved midship section plan, structural profile deck and bottom plan and purchasers approved construction plan. (ii) Stage II: Twenty (20) percent of the Contract Price (on prorate basis depending on the number of vessels being manufactured) upon 50% fabrication of hull by weight, duly certified by class. (iii) Stage III: Thirty Five (35) percent of the Contract Price (on prorate basis depending on the number of vessels being manufactured) upon 100% completion of hull including welding and dry and wet survey, duly certified by class and submission of documentary evidence of placement of order for main engines, gear boxes duly accepted by the respective equipment manufacturer. (iv) Stage IV: Twenty (20) percent of the Contract Price (on prorate basis depending on the number of vessels being manufactured) upon launching of the vessel, duly completing installation of main engines, gear boxes, all underwater fittings and completion of underwater painting duly certified by classification society. (v) Stage V: Ten (10) percent of the contract price (on prorate basis depending on the number of vessels being manufactured) upon satisfactory completion of all trials and inspections etc. at shipyards premises including inclining experiments duly certified by classification society. (vi) Stage VI: Remaining part of the Contract Price and taxes and duties on the completed vessels (on prorate basis depending on the number of vessels successfully delivered) upon delivery and acceptance of the vessel along with all accessories, spares, documentation etc. at Purchasers specified premises and submission of all required classification and statutory certificates. <p>Provisions of Reserve Bank of India rules for making foreign payments for import of goods will apply.</p>

	<p>Payment of local currency portion including Agency Commission shall be made in Indian Rupees within thirty (30)days of presentation of claim supported by a certificate from the Purchaser declaring that the Goods have been delivered and that all other contracted Services have been performed.</p> <p>(b) Deleted</p> <p>(c) Payment of Local indirect Taxes such as goods and service tax etc. will be paid upon rising of Tax Invoices. The bidder shall submit GSTR 3B and GSTR-I in support of GST compliance as and when required by the client.</p> <p>(d) (i) Where payments are to be effected through Letter of Credit (LC), the same shall be subject to the latest Uniform Customs and Practice for Documentary Credit, of the International Chamber of Commerce;</p> <p>(ii) The LC will be irrevocable and will be confirmed at Supplier's cost if requested specifically by the Supplier;</p> <p>(iii) If LC is required to be extended/ reinstated for reasons not attributable to the Purchaser, the charges thereof shall be to the Supplier's account.</p> <p>(e) For all the payments to be made, against Bank guarantees, the bank guarantee shall be issued by a Scheduled Indian Bank or a foreign bank located in India in the format enclosed at Section X. The guarantees issued by other banks should be confirmed by a Scheduled Indian Bank or a foreign bank operating in India</p>
GCC 16.5	<p>The payment-delay period after which the Purchaser shall pay interest to the supplier shall be 30days.</p> <p>The interest rate that shall be applied is the interest rate that shall be applied is <i>based on Prime Bank lending rate of State Bank of India applicable from the date of delay</i></p>
GCC 17	<p>In the case of Excise duty waiver, the purchaser will issue only the certificates in terms of the Central Excise notification as per information given by supplier in form at serial no.7 of Section IV. Supplier is solely responsible for obtaining such benefits and in case of failure to receive such benefits, the purchaser will not compensate the supplier separately.</p>
GCC 18.1	<p>A Performance Security <i>shall be required</i>.</p> <p>Performance Security payable to the Purchaser shall be for an amount of 10% of the contract value, valid up to 60 days after the date of completion of performance obligations including warranty obligations.</p>

	In the event of any correction of defects or replacement of defective material during the warranty period, the warranty for the corrected/ replaced material shall be extended to a further period of 12 months and the Performance Bank guarantee for proportionate value shall be extended 60 days over and above the extended warranty period.
GCC 18.3	If required, the Performance security shall be in the form of a “Bank Guarantee” or “a cashier’s cheque or banker’s certified cheque or crossed demand draft or pay order” drawn in favour of the Purchaser.
GCC 18.4	Discharge of the Performance Security shall take place not later than 45 days following the date of completion of the Supplier’s performance obligations, including the warranty obligation, under the contract.
GCC 18.5	<p>Add as Clause 18.5 to the GCC the following:</p> <p>In the event of any contractual amendment, the Supplier shall, within 28 days of receipt of such amendment, furnish the amendment to the Performance Security, rendering the same valid for the duration of the Contract, as amended for 45 days after the completion of performance obligations including warranty obligations.</p>
GCC 23.2	<p><u>Packing Instructions:</u> The Supplier will be required to make separate packages for each Consignee. Each package will be marked on three sides with proper paint/indelible ink with the following:</p> <p>(i) Project; (ii) Contract No.; (iii) Supplier’s Name; (iv) Packing List Reference Number.</p>
GCC 24.1	The insurance shall be paid in an amount equal to 110 percent of the EXW value of the Goods from “Warehouse to warehouse (final destination)” on “All Risks” basis including War Risks and Strikes.
GCC 25.1	The Supplier is required under the Contract to transport the Goods duly insured to the specified final destination, and all related costs shall be included in the Contract Price.
GCC 25.2	Incidental services to be provided are: As indicated in GCC Clause 25.2
GCC 26.1	The inspections and tests shall be: The Supplier shall conduct tests to confirm that the goods supplied are as per specification and enclose the test and inspection certificate along with supply

GCC 26.2	<p>The Inspections and tests shall be conducted at: The pre dispatch inspection shall be carried out by Purchaser's nominated inspection agency (purchaser's representative /third party) at supplier's premises within a period of 4 weeks from the date of receipt of inspection call. Alternatively the Purchaser may decide to waive the pre dispatch inspection and agree to accept manufacturer's test certificate.</p> <p>In addition to the provisions of GCC 26, the consignee shall inspect the goods on arrival and verify the documents. In case of any discrepancy, the Consignee shall arrange for a joint inspection at consignee's premises, which will be attended by the representatives of the consignee, purchaser, inspection agency and the supplier. The results of the joint inspection shall be recorded and signed by the representatives for further necessary action.</p> <p>Unless the full quantity of Goods supplied according to the Schedule of Requirements/each shipment is received in good condition and satisfactorily installed, the Consignee will not accept the Goods and will not issue the Final Acceptance Certificate</p>
GCC 27.1	The liquidated damage shall be: 0.5% of contract price per week or part thereof.
GCC 27.1	The maximum amount of liquidated damages shall be: 10% of the contract price.
GCC 28.3	<p>The period of validity of the Warranty shall be: Same as given in GCC 28.3.</p> <p>(a) make such changes, modifications, and/or additions to the Goods or any part thereof as may be necessary in order to attain the contractual guarantees specified in the Contract at its own cost and expense and to carry out further performance tests in accordance with GCC 26.7,</p> <p>or</p> <p>(b) pay liquidated damages to the Purchaser with respect to the failure to meet the contractual guarantees. The rate of these liquidated damages shall be (0.5% Per Week subject to maximum of 10%).</p> <p>For purposes of the Warranty, the place(s) of final destination(s) shall be: <i>Guwahati Assam, India.</i></p> <p>The period of validity of the Warranty shall be:12 months For purposes of the Warranty, the place(s) of final destination(s) shall be: <i>Guwahati, Assam, India</i></p>

<p>GCC 28.5</p> <p>GCC 28.6</p>	<p>The period for repair or replacement shall be: 15 days. <i>[specify other than 15 days, if that would be more appropriate for a specific case]</i> Upon receipt of such notice, the Supplier shall, within a period of Fifteen (15) days and with all reasonable speed, repair or replace the defective goods or parts thereof, free of cost at the ultimate destination. The Supplier shall take over the replaced parts/goods at the time of their replacement. No claim what so ever, shall lie on the Purchaser for the replaced parts/goods thereafter.</p> <p>In the event of any correction of defects or replacement of defective material during the warranty period, the warranty for the corrected/replaced material shall be extended to a further period of Twelve (12) months subject to a maximum period of 24 months from the date of installation and commissioning.</p>
<p>GCC 31.1</p>	<p>This clause will apply only to variations in VAT/Sales tax/ Octroi etc. payable in India on the final product which is being supplied and not for variations in tax on the individual components/ raw materials which go into the product.</p>
<p>GCC 33.4</p>	<p>Provisions related to Value Engineering do not apply.</p>

Section X - Contract Forms

This Section contains forms which, once completed, will form part of the Contract. The forms for Performance Security and Advance Payment Security, when required, shall only be completed by the successful Bidder after contract award.

Notification of Award - Letter of Acceptance

[use letter head paper of the Purchaser]

[date]

To: *[name and address of the Supplier]*

Subject: **Notification of Award Contract No.**

This is to notify you that your Bid dated *[insert date]* for execution of the *[insert name of the contract and identification number, as given in the SCC]* for the Accepted Contract Amount of *[insert amount in numbers and words in Rupees]*, as corrected and modified in accordance with the Instructions to Bidders is hereby accepted by our Agency.

You are requested to furnish the Performance Security within 21 days in accordance with the Conditions of Contract, using for that purpose the Performance Security Form included in Section X, Contract Forms, of the bidding document.

Authorized Signature: _____
Name and Title of Signatory: _____
Name of Agency: _____

Attachment: Contract Agreement

Contract Agreement

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

THIS AGREEMENT 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”), of the one part, 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”), of the other part:

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

The Purchaser and the Supplier agree as follows:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Contract documents referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Agreement. This Agreement shall prevail over all other contract documents.
 - (a) this Agreement
 - (b) the Letter of Acceptance
 - (c) Letter of Bid – Technical Part
 - (d) the Letter of Bid– Financial Part and original completed Schedules including Price Schedules
 - (e) the Addenda Nos. _____ (if any)
 - (f) Special Conditions of Contract
 - (g) General Conditions of Contract
 - (h) the Specification (including Schedule of Requirements and Technical Specifications)

- (i) Joint Venture Agreement [for JVs if permitted]
 - (j) any other document listed in GCC as forming part of the Contract
3. In consideration of the payments to be made by the Purchaser to the Supplier as specified in this Agreement, 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.
4. 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 India 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—name, signature, address, date]*

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 - name, signature, address, date]*

Performance Security - Bank Guarantee

[Guarantor letterhead or SWIFT identifier code]

Performance Guarantee No.....*[insert guarantee reference number]*

Date.....*[insert date of issue of the guarantee]*

To: _____ *[name of Purchaser]*

_____ *[address of Purchaser]*

WHEREAS _____ *[name and address of Supplier¹¹]* (hereinafter called "the Applicant") has undertaken, in pursuance of Contract No. _____ dated _____ to execute _____ *[name of Contract and brief description of Goods and related Services]* (hereinafter called "the Contract");

AND WHEREAS it has been stipulated by you in the said Contract that the Applicant shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with his obligations in accordance with the Contract;

AND WHEREAS we have agreed to give the Applicant such a Bank Guarantee;

NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you, on behalf of the Applicant, up to a total of _____ *[amount of guarantee¹²]* _____ *[in words]*, such sum being payable in the types and proportions of currencies in which the Contract Price is payable, and we undertake to pay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of _____ *[amount of guarantee]* as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the Applicant before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the Contract or of the Goods and related Services to be supplied thereunder or of any of the Contract

¹¹ *In the case of a JV, insert the name of the Joint Venture*

¹² *An amount shall be inserted by the Guarantor, representing the percentage of the Contract Price specified in the Contract and denominated in Indian Rupees.*

documents which may be made between you and the Applicant shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid until (i.e.) 45 days following the Completion date of the Contract including any warranty obligations¹³, and any demand for payment under it must be received by us at this office on or before that date.

Signature and seal of the guarantor _____

Name of Bank _____

Address _____

Date _____

Note: All italicized text (including footnotes) is for use in preparing this form and shall be deleted from the final product.

¹³ Completion date as described in GC Clause 18.4

Advance Payment Security
Demand Guarantee
[Guarantor letterhead or SWIFT identifier code]

Advance Payment Guarantee No.....*[insert guarantee reference number]*
 Date.....*[insert date of issue of the guarantee]*

To: _____ *[name of Purchaser]*
 _____ *[address of Purchaser]*
 _____ *[name of Contract]*

Gentlemen:

In accordance with the provisions of the Conditions of Contract, Clause 16 ("Terms of Payment") of the above-mentioned Contract, _____ *[name and address of Supplier¹⁴]* (hereinafter called "the Applicant") shall deposit with _____ *[name of Purchaser]* a bank guarantee to guarantee his proper and faithful performance under the said Clause of the Contract in an amount of _____ *[amount of guarantee¹⁵]* _____ *[in words]*.

We, the _____ *[bank or financial institution]*, as instructed by the Applicant, agree unconditionally and irrevocably to guarantee as primary obligator and not as Surety merely, the payment to _____ *[name of Purchaser]* on his first demand without whatsoever right of objection on our part and without his first claim to the Applicant, in the amount not exceeding _____ *[amount of guarantee]* _____ *[in words]*.

We further agree that no change or addition to or other modification of the terms of the Contract or of Goods and related Services to be supplied thereunder or of any of the Contract documents which may be made between _____ *[name of Purchaser]* and the Applicant, shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification.

¹⁴In the case of a JV, insert the name of the Joint Venture

¹⁵An amount shall be inserted by the bank representing the amount of the Advance Payment, and denominated in Indian Rupees.

This guarantee shall remain valid and in full effect from the date of the advance payment under the Contract until _____ [*name of Purchaser*] receives full repayment of the same amount from the Applicant. Consequently any demand for payment under this guarantee must be received by us at this office on or before that date.

Yours truly,

Signature and seal: _____

Name of Bank: _____

Address: _____

Date: _____