

## Inland Waterways Authority Of India Jal Marg Vikas Project

RFP No: IN - IWAI – 445514-GO-RFB

**Amendment –4 dated 25.11.2024**

CPPP Tender ID : 2024\_JMVP\_ 826769\_1

**Work Description :-** Procurement of 8 no Amphibian Dredgers**File Reference : IWAI/WB/NW1/14/19/2024**

Sl.	Bid document ref	Existing Text	To be Read as
1	Section-II BDS ITB 7.1	Pre bid meeting held on 7.10.2024	<b>Annexure-A - Replies to the Pre Bid held on 7.10.2024 are attached at Annexure-A</b>  <b>Annexure – B – as Amendment / Changes to the Tender Documents due to pre-bid clarification are attached at Annexure – B.</b>
2	Section-IV Bidding Forms- 1B Letter of Bid Finance Part	Finance Bid : Bill of Quantity ( for On line Submission Schedule )	Appendix -A – Revised BOQ ( Amendment-2) Appendix -B- Corresponding Payment terms  <b>Finance Bid : Bill of Quantity – Revision1</b> (for On line Submission Schedule
3	Section-II BDS ITB 22.1	The dead line for uploading of bids on the e-portal is Date : 26.12.2024 time 1500 hrs IST	The dead line for uploading of bids on the e-portal is Date : 26.12.2024 time 1500 hrs IST
4	<b>All other terms &amp; Conditions of the Tender documents remains Un-altered</b>		

OFFICER INVITING BIDS :-

Vice – Chairman Project Director ( JMVP ) ;

Inland Waterways Authority of India. : A – 13, Sector – 1, Noida – 201301,

Uttar Pradesh – INDIA - Telephone No. : (91) 0120-2424544 Email. : vc.iwai@nic.in

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Sr	Reference	Clause	Page	Clause	Bidders query	Response by IWAI
1	Invitation for Bids ( IFB)	2. Delivery Schedule	4	IWAI - MOS - GOI now invites online bids from eligible bidders for supply of Eight (8) no of Amphibian Cutter Suction Dredgers are to be designed to operate in inland waters ( NW-1 / NW-2 / NW-16) for maintaining the waterway and to be delivered in 08 to 15 Months respectively from the date of award i. Phase-I : Two Dredgers within 08-09 Months Phase-II : Three Dredgers within 09 to 12 Months i. Phase-III : Three Dredgers within 12 to 15 Months	Due to the logistics difficulties in Suez Canal, eventual route changes and other related problems may occur. Is it possible to calculate the penalties on the production schedule against the "inspection plan" of the dredges? By the way, you will be aware of the production and delivery status step by step. Is this clause negotiable?	Tender Conditions Prevails - Delivery Scheduled to be adhered to as envisaged in the tender document
					wrt this clause, BOQ document mentioned dredger to be designed and operated for only NW-1 & NW-2 ? Which one is corrected informations	Amphibian Cutter Suction Dredgers are to be designed to operate in inland waters ( NW-1 / NW-2 / NW-16) for maintaining the waterway
2	Invitation for Bids ( IFB)	8. Payment of Tender fee	4	Bidding documents are available online from CPPP portal <a href="https://eprocure.gov.in/eprocure/app">https://eprocure.gov.in/eprocure/app</a> for a non-refundable fee as indicated below. Tender fee ( non-refundable) inclusive of GST INR or Equivalent - INR 6000.00 or USD 100.00 or EURO 70.00	The documents are being able to download without fees. There is no payment link we could find. When is the tender fee of Rs 6,000 payable? Also, is it other than the Bid Security of Rs 1.76 Cr? We tried to register to your website without success due to missed reception of the security code on our mobile number. Is there any other way to complete the registration or to receive the mobile code?	Tender Document is freely downloadable from eprocure site. The process of depositing tender fees is defined on ITB 6.0 and bid security in ITB 19.1. Original documents of Bid Security & Tender fees are to be submitted on or before the date of Bid Submission / opening date and time. The Process of Bid Submission along with Original Documents is defined in ITB 12.1, 19.1 & 20.1.
					Can our Authorised representative Indostan Corporation Mumbai pay tender fee on our behalf through mentioned mode of payment	Yes, authorized representative can pay the tender fees, provided he is also a part of bidder
3	Invitation for Bids ( IFB)	IFB Clause-7	5	The bidders are required to submit (a) original payment document towards the cost of bid document and registration on e- procurement website (if not previously registered); (b) original bid security in approved form; and (c) original affidavit regarding correctness of information furnished with bid document with before the bid submission deadline, either by registered post/speed post/courier or by hand, failing which the bids will be declared non-responsive and will not be opened.	Point ( c ) - Being Korean Company Baekkun request to allow to submit Affidavit on our company letter head.	Agreed, in case of foreign bidder the self declaration in the company letter head is acceptable.
	Invitation for Bids ( IFB)	8. Bid Security	5 & 35	Para-8 Section-II , and BDS - ITB 18.1 and 19.1	1) Is it possible to receive a specific time duration for the bid security? 2) Please let us know if a Swift identifier code is accepted (Not by paper form)	1.Refer ITB 18.1 - The Bid security shall be valid for 148 days (120+28) from the date of Bid Opening. 2. Swift Identifier code is acceptable.
4	Invitation for Bids ( IFB)	5. Obtaining a Digital Signature	5	For submission of the bids, the bidder is required to have Digital Signature Certificate (DSC) Class-II & above from one of the authorized Certifying Authorities, authorized by Government of India for issuing DSC. Bidders can see the list of licensed CA's from the link ( <a href="http://www.cca.gov.in">www.cca.gov.in</a> ) . 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: A nonrefundable fee of Rs. 6000/-(inclusive of tax) or USD100.00 or EURO70.00 to be paid Payment document to be submitted along with other documents listed in paragraph 7 below) before the bid submission deadline. The mode of payment shall be	Is this Digital Signautre Certificate mandatory?	Yes, it is a mandatory to operate e-procurement portal.

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				in the form of DD drawn in favour of IWAI Fund ( Jal Marg Vikas) on any scheduled Bank payable at Noida / New Delhi. For Online payment details are:- Advising Bank: CANARA BANK Bank Account no.: 87781010014534 ; IFSC Code: CNRB0018778 Name of beneficiary: IWAI FUND Jal Marg Vikas ; Branch name: Morna - Sector 18, Noida	Being Korean ompany and our internal web security issues we are unable to use the DSC ,Can our Authorized representative Indostan Corporation Mumbai upload the bid and bid documents on e- portal by using their valid DSC? Order to be placed on Baekun in case we awarded the tender by IWAI and Baekun,Korea in the event of order.baekun confirm that we will take complete responsibility of execution of project in case of award. Necessary authorization letter in the name of Indostan Corporation shall be submitted.	No, the bidder should have DSC and the work will be awarded to the lowest bidder who has submitted the bid. Bids must be submitted online on <a href="https://eprocure.gov.in/eprocure/">https://eprocure.gov.in/eprocure/</a> app on or before the bid submission deadline  .For submission of the bids, the bidder is required to have Digital Signature Certificate (DSC) Class-II & above from one of the authorized Certifying Authorities, authorized by Government of India for issuing DSC. Bidders can see the list of licensed CA's from the link ( <a href="http://www.cca.gov.in">www.cca.gov.in</a> ) .
5	Invitation for Bids ( IFB)	5. Retriving Bidding Documents	5		We couldn't dowload the bidding documentation due to the missing registration. How can we proceed to obtain the complete set of the bidding documents? Please clarify.	The online Tender Documents is available at <a href="https://eprocure.gov.in/eprocure/app">https://eprocure.gov.in/eprocure/app</a> In case of any difficulty may contact CPPP - Helpdesk
6	Section-I Instruction to bidder	14.8 (b) - Bid Prices and Discounts	17	For Goods manufactured outside the Purchaser's Country, to be imported: (i) the price of the Goods, quoted CIP named place of destination, in the Purchaser's Country, as specified in the BDS; (ii) the price for inland transportation, insurance, and other local services required to convey the Goods from the named place of destination to their final destination (Project Site) specified in the BDS;	Please provide the following information to calculate the Ex-Work price: 1) Our HS Code for Amphibian Dredger is 89 05 10 90 does it match with your HS Code? 2) Applicable customs duty on the equipment 3) Applicable GST on the equipment 4) Any other applicable rate or duty concession available 5) Please let us know if DRAGFLOW limited corp. company can import the dredges in India on its own?	1) HS Code for import of Amphibian Dredger fall under Customs Tarriff - Chapter-89 in India which provides for Items viz Ships ; Boats & Floating Structures , Tugs . Pusher Crafts, Dredgers, floating cranes etc.  2,3,4) Applicability of custom duty, GST and any other rates or concession are as per prevailing law  5) Yes as per tender conditions.
7	Section-I Instruction to bidder	34. Evaluation of Bids	27	Clarifications from Bidders	Please confirm that in case Purchaser has any query on the submitted bid, they will seek clarifications in writing from the Bidder till the time both the parties reach a mutual agreement and understanding.	Yes, if required.
8	Section-II Bid Data Sheet	ITB 7.1 - Deadline of Request for clarification	32	It is mentioned that - Requests for clarification should be received by the Employer no later than 14 days prior to deadline for submission of bids. In the same para at the end it is written that - Requests for clarification should be received by the Employer no later than Date of Pre-bid Meeting. 04.10.2024	14 days prior to deadline for submission of bids is 22-Oct-24 however, the other paragraph says Request for clarification should be received no later than 4-Oct-24. Please clarify	Sufficient Time of minimum of 14 days shall be provided for submission of bids after pre-bid replies are uploaded.
9	Section-II Bid Data Sheet	ITB 14.8 (a) (iii); (b)(ii) and (c)(v) Place of Destination	34	"Final destination (Project Site)": Kolkata, West Bengal, India Address of the consignee: Director – IWAI Inland Waterways Authority of India P-78 Garden Reach Road Kolkata West Bengal	Please provide specific delivery location for :  a) 5 Amphibian Dredger to be delivered at Kolkata b) 3 Amphibian Dredger to be delivered at Guwahati  c) Mandatory spares for 8 dredgers	a) 5 Amphibian Dredger with essential tools and attachments to be delivered at IWAI, GR Jetty, Kolkata, West Bengal  b) 3 Amphibian Dredger with essential tools and attachments to be delivered at IWAI, Pandu Port Guwahati, Assam 781012.  c) The mandatory spare parts asked in BoQ has been deleted. d) Details of spare parts list along with Printed rate list to be provided with the bid submission.

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10	Section-II Bid Data Sheet	BDS ITB 15.1 page 35 Price Schedule Pages 60-64	35	The prices shall be quoted by the bidder in Local / foreign currency i.e. upto combination of three Currencies for the portion of the bid price that corresponds to expenditures incurred in that currency	For the expenditures incurred in INR (port clearing, inland transportation, insurance, assembly, commissioning, registration, test and trials) where should this be figure be mentioned in the price schedule?  And, when will these amounts be paid to the local India representative?	Please refer the updated BoQ uploaded at Appendix- A and updated payment clause at Appendix-B
11	Section-II Bid Data Sheet	ITB 16.4 - Life of spare-parts	35	Period of time the Goods are expected to be functioning (for the purpose of spare parts): 25 years (at full-time service, 24/7)	There has been various contradictory clauses with regards to the: a) warranty period b) type of spares/mandatory spares/components/assemblies and c) cost of major replacement components to be considered in bid evaluation. d) the volume of spares to be quoted along with the equipment related to the working hours. Please specify the number of hours for which spare-parts need to be considered. Also please clarify if such spares need to be supplied along with the equipment. Please clarify on each of the same and the respective clauses mentioned in this regard.	Clause ITB 16.4 has been deleted
12	Section-II Bid Data Sheet	ITB 18.1 page 35 bid Validity	35	The bid validity period shall be 120 + 28 days = 148 days	As there is conflicting information, please clarify what is the bid validity and what should be the duration for the bid security if submitted as Bank Guarantee	Refer ITB 18.1 - The Bid security shall be valid for 148 days (120+28) from the date of Bid Opening.
13	Section-II Bid Data Sheet	ITB 20.1 Original Document	36	The bidders shall submit the following 'Original Documents' at the following address before the deadline for opening of bids (i. e. upto 03.00 PM , either by registered post/speed post/courier or by hand, failing which the bids will be declared non-responsive. <i>a) Original bid security in prescribed format as indicated in ITB 19</i> <i>b) Original written confirmation authorizing the signatory of the Bid to demonstrate the authority of the signatory to sign the bid on</i> <i>c) Original affidavit vouching for the correctness of the information furnished and documents uploaded on the Letter head of the firm;</i>  The above Original Documents should be inserted in an envelope and the envelope shall be sealed and addressed to the Purchaser at the address given below along with a Technical Proposal ( one original & one Copy) of the uploaded version.The Bidder is solely responsible for to ensure submission of the requisite original documents before the stipulated time and date and the Purchaser will not be responsible for postal or courier delays.	For point a), clarify if it is necessary a printed copy of the original swift message.  Please clarify if a self-declaration on company letterhead is accepted  May these documents be all self-declarations?	Ref ITB 20.1 ( Section-II Bid Document)  a. For confirmation of the Bid Security, the printed copy of original swift message shall be uploaded along with on-line bid on CPPP Portal.  b), c) Agreed, the self-declaration in the company letter head is acceptable.  All the documents to be submitted in Original with Authorization's
14	Section-II Bid Data Sheet	ITB 34.6 (d)Availability of spare-parts	39	the availability in the Purchaser's Country of spare parts and after-sales services for the equipment offered in the bid [ Yes ] in case the spares and after-sale services are not available then such a bid will be summarily rejected.	Depending on the consumption and service requirements, the mandatory set and some fast-moving spare-parts may be readily made available in the Purchaser's Country. The balance part may need to be imported on need basis.  Please clarify the method, you will deploy to determine 'the spares and after-sale services are not available'.	The clause ITB 34.6 (d)- Availability of spare parts may be read as "the bidder should provide details about availability of spare parts and after sales service for equipment offered in the bid in purchaser country"

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15	Section-II Bid Data Sheet	ITB 34.6C - Cost of major replacement components	39	the cost of major replacement components, mandatory spare parts, and service: [ Yes ] an adjustment equal to the total cost of these items, at the unit prices quoted in each bid, shall be added to the bid price, for evaluation purposes only.		Please refer the updated BoQ uploaded at Appendix- A and updated payment clause at Appendix-B However, Bidder to provide the details of Spares List,
16	Section III. Evaluation Criteria - Margin of Preference	ITB 33, Point 1	40	<p>If the Bidding Data Sheet so specifies, the Purchaser will grant a margin of preference to goods manufactured in the Purchaser's country for the purpose of bid comparison, in accordance with the procedures outlined in subsequent paragraphs. Bids will be classified in one of three groups, as follows:</p> <p>(a) Group A: Bids offering goods manufactured in the Purchaser's Country, for which (i) labor, raw materials, and components from within the Purchaser's Country account for more than thirty (30) percent of the EXW price; and (ii) the production facility in which they will be manufactured or assembled has been engaged in manufacturing or assembling such goods at least since the date of bid submission.</p> <p>(b) Group B: All other bids offering Goods manufactured in the Purchaser's Country.</p> <p>(c) Group C: Bids offering Goods manufactured outside the Purchaser's Country that have been already imported or that will be imported.</p> <p>To facilitate this classification by the Purchaser, the Bidder shall complete whichever version of the Price Schedule furnished in the Bidding Documents is appropriate provided, however, that the completion of an incorrect version of the Price Schedule by the Bidder shall not result in rejection of its bid, but merely in the Purchaser's reclassification of the bid into its appropriate bid group. The Purchaser will first review the bids to confirm the appropriateness of, and to modify as necessary, the bid group classification to which bidders assigned their bids in preparing their Bid Forms and Price Schedules.</p> <p>All evaluated bids in each group will then be compared to determine the lowest evaluated bid of each group. Such lowest evaluated bids shall be compared with each other and if as a result of this comparison a bid from Group A or Group B is the lowest, it shall be selected for the award.</p> <p>If as a result of the preceding comparison, the lowest evaluated bid is a bid from Group C, all bids from Group C shall be further compared with the lowest evaluated bid from Group A after adding to the evaluated price of goods offered in each bid from Group C, for the purpose of this further comparison only, an amount equal to 15% (fifteen percent) of the respective CIP bid price for goods to be imported and already imported goods. Both prices shall include unconditional discounts and be corrected for arithmetical errors. If the bid from Group A is the lowest, it shall be selected for award. If not, the lowest evaluated bid from Group C shall be selected"</p>	Please confirm, for comparison of lowest price bid, 15% discount will be applied to Group A bidders to compare with Group C quoted lowest price.	Tender Condition Prevails

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17	Section III. Evaluation Criteria - Technical Part	A.1 - Financial Capability	41	A.1) Financial Capability The Bidder shall furnish documentary evidence that it meets the following financial requirement(s): Average Annual Financial Turnover : The Bidder should have Minimum Average Annual Financial turnover of INR 26.40 Crs or USD 3.142 million or EURO 2.778 million or an equivalent amount in a freely convertible currency, calculated as total certified payments received for contracts in progress or completed , within the last three (3) Financial years as on 31st March 2024.	A.1) Average Annual Financial Turnover : Annual Financial statements English version will be accepted? In Canada Financial year starts from 1/1 - 12/31 (January to December) ,can we submit as per Canadian financial year i.e. 1st January to 31st Dec?	Agreed
17.1	Section III. Evaluation Criteria - Technical Part	A.2 - Financial Capability	42	A.2) Financial solvency : The bidder should have financial solvency of not less than INR 35.20 Crs or USD 4.190 million or EURO 3.705 million and submit the scan copy of Solvency certificate. i. Bidders from India shall provide a Solvency certificate from ant Nationalized / scheduled Bank of India. ii. Bidders from foreign countries shall provide solvency certificate from reputed foreign National Bank Note : a. Financial year shall, for the purposes of a Bid hereunder, mean the Accounting Year followed by the Government of India (April 01 to March 31)	A2) Financial Solvency certificate is the format does not exist in Canada. We request IWAI to accept other alternate documents from relevant Canadian authority which will prove the solvency.	Agreed.
18	Section-III Evaluation & Qualification Criteria	Financial capability page 43	42	Bidders from foreign countries shall provide solvency certificate from reputed foreign National Bank	Solvency certificate from bank is not a standard document in foreign countries.  As an alternative, please permit letter from statutory auditor that proves the net worth/ credit line/ solvency of the bidder	Agreed.
19	Technical Part - Qualification	ITB 32 - C	43	Nature / Type of Bidder: Bidder Eligibility Criteria	If the Bidder is a foreign Manufacturer and he takes the services of a local agency for customs clearance, local transportation, erection & commissioning of equipment at Purchaser's site and after- sales parts and service support, please confirm how the order shall be split : 1) LC for the main equipment on the foreign Bidder/Manufacturer 2) Separate purchase order in Indian Rupees on the local agency for carrying out the above mentioned scope of work.  It may also be noted that your Price Schedule at BOQ-1 (excel sheet) should have the above provision to separately capture the respective prices.	Please refer the updated BoQ uploaded at Appendix- A and updated payment clause at Appendix-B

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20	Section-III Evaluation & Qualification Criteria	Experience and Technical capacity page 42	42	<p>The Bidder should have successfully completed three (3) "Similar Works" of Building of Amphibian Dredger in previous five (5) years before the last date of the Bid submission as per the criteria specified below</p> <p>3 similar completed services each costing not less than the amount equal to Rs 35.20 Crs each. Or USD 4.190 million or Euro 3.705 million.</p> <p>2 similar completed services each costing not less than the amount equal to 44.00 Crs each Or USD 5.238 million or Euro 4.631 million.</p> <p>1 similar completed service costing not less than the amount equal to 70.40 Crs Or USD 8.380 million or Euro 7.410 million.</p>	<p>These clauses are conflicting as it says should have completed three similar works but then it allows one work order of Eur 7.41 Mn</p> <p>We believe that in first clause IWAI requires that the manufacturer should have built certain number of machines and in second clause the bidder (manufacturer or supplier) should have orders of certain value.</p> <p>Hence, it should read</p> <p>(a)The Manufacturer should have successfully sold at least 6 Amphibian Dredgers (80% of tender requirement) in last five years</p> <p>(b)The bidder should have executed work orders in last five years for at least</p> <p>i)30% estimated cost in single order or</p> <p>ii)20% estimated cost in two order or</p> <p>iii)30% estimated cost in three order</p> <p>Orders for Amphibian Dredgers are often for single units and hence keeping the quantity requirement at 80% ensures quality while reducing the value requirement to 30-20-10 which</p>	<p>Section-III Evaluation &amp; Qualification Criteria- The Bidder should have successfully completed three (3) "Similar Works" of Building of Amphibian Dredger in previous five (5) years before the last date of the Bid submission as per the criteria specified below:</p> <p>A. 3 similar completed services each costing not less than the amount equal to Rs 35.20 Crs each. Or USD 4.190 million or Euro 3.705 million.</p> <p style="text-align: center;">OR</p> <p>B. 2 similar completed services each costing not less than the amount equal to 44.00 Crs each Or USD 5.238 million or Euro 4.631 million.</p> <p style="text-align: center;">OR</p> <p>C. 1 similar completed service costing not less than the amount equal to 70.40 Crs Or USD 8.380 million or Euro 7.410 million.</p> <p style="text-align: center;">Or</p> <p>D. Six (6) No Equipment's supplied in last 5 years</p>
21	Section-III Evaluation & Qualification Criteria	Experience and Technical capacity page 42	42	Similar type Means " Design, construction & supply of Amphibian Dredger or similar type of Dredgers or higher capacity or All"	<p>This definition is vague with words like "higher capacity" and "All" which will lead to disputes during technical evaluation</p> <p>Please clarify that for experience and technical capacity you shall consider similar machine to be only Amphibian Dredges having at least 750-1000 CuM/hr (slurry) as specified on page 42</p>	<p>The Bidder shall be a manufacturer, ( Original Equipment Manufacturer) who has experience and satisfactory performance record for the design, construction, supply of Amphibian Dredger of capacity 750-1000 cum / hr or higher of similar types* and capacity of at least. 750-1000 cum /hr (slurry) during last seven (7) years ( Financial year 2017 to 2024). Or their Authorized supplier in India.</p> <p>Similar type Means</p> <p>" Design, construction &amp; supply of Amphibian Dredgers of capacity 750-1000 cum/hr or higher "</p>
22	Section-III Evaluation & Qualification Criteria	Technical Part – Qualification ITB 32/1.1/B	43-44	<p><b>If Bidder is not manufacturer:</b></p> <p>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 (i) ,(ii), (iii), through relevant documentary proof as mentioned at (i) ,(ii), (iii), above and</p> <p><b>The Bidder shall demonstrate that it has successfully supplied at least three (3) similar items in the past (5) five years.</b></p> <p>To demonstrate this the bidder shall submit copies of contract agreement. The Bidder ( Authorized representative of the Manufacturer) shall demonstrate that bidder, <b>has been in the business of supplying of Amphibian Dredger during past five (5) years and has supplied and Serviced the supplied equipment during the period.</b></p> <p>To demonstrate this, the bidder shall furnish Performance Statement for last Five (5) years-as per Performa for Performance Statement.</p>	<p>Kindly clarify, if an Indian comapny is Bidder, who does not have any experience in supplying similar product but ties-up with a global Manufacturer, can bid in this tender as a 'Bidder'?</p> <p>In such a case, will the Manufacturer's (foreign company) experience /credentials be considered for eligibility of Bidder as well?</p>	<p>Refer Section-III Evaluation &amp; Qualification Criteria – Technical part- 1- C- Nature/ Type of bidder: Bidders eligibility criteria B. <b>If Bidder is not Manufacturer.</b>, but offering goods on behalf of Manufacturer.</p> <p>a. <i>he should have Manufacturer Authorization</i></p> <p>b. <i>Manufacturer's experience / credentials.</i></p> <p>And</p> <p>c. <i>the bidder shall demonstrate that it has successfully supplied and serviced at least three (3) similar items in the past (5) years,</i></p>
23	Section-III Evaluation & Qualification Criteria	1.4 Design of the Vessel	46	a. The design must comply to the Classification Society Rules and IV Rules of 2022. The design document must be approved by the Classification Society.	<p>a. We understood from Canadan Registrar (KR) that since last 1-1.5 years there is no classification rules (Any IACS member) applicable to Assembling type of Amphibious Dredger and IV rules of 2022. Alternatively we would like to check whether we can appoint KR HELLAS (Subsidiary of KR) as Classification society. Request IWAI to confirm the same.</p>	<p>Tender Conditions Prevail. - Design must comply to the Classification Society Rules and IV Rules of 2024.</p>

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24	Section-III Evaluation & Qualification Criteria	1.5 Quality Assurance Plan	45	a) The bidder shall comply with the Quality Assurance Plan for execution of the work and meeting the standards required as per the Administrative Authority / Class rules and regulations (IV Act 2021 and IV Rules 2022)	a. We understood from Canadian Registrar (KR) that since last 1-1.5 years there is no classification rules (Any IACS member) applicable to Assembling type of Amphibious Dredger and IV rules of 2022. Alternatively we would like to check whether we can appoint KR HELLAS (Subsidiary of KR) as Classification society. Request IWAI to confirm the same.	Tender Conditions Prevail. - Design must comply to the Classification Society Rules and IV Rules of 2024.
25	Section-III Evaluation & Qualification Criteria	1.6 The Bidder shall also indicate the following	46	(a) The Bidder shall have adequate resources for successful execution of the services and should be financially solvent. Bidder shall provide a solvency certificate from any nationalized / scheduled bank in India. (b) The Bidder shall be income tax assesses and accordingly the Bidder shall submit copy of Income Tax Return (ITR) filed by the Bidder for the last three financial years. (c) The Bidder shall comply with the guidelines of Atmanirbhar Bharat (d) The Bidder must furnish details of supplies made by him in the last five years in proforma attached in Section IV	a)Financial Solvency certificate is the format does not exist in Canada. We request IWAI to accept other alternate docuents from relevant Canadian authority which will prove the solvancy. c) Amphibex being Canadian supplier whether its applicable to Amphibex ? d) Is it okay if we submit it with our format without end user stamp of Certification since response from end user expect much slow?  a)Financial Solvency certificate is the format does not exist in Korea. We request IWAI to accept other alternate docuents from relevant korean authority which will prove the solvancy. c) Baekgun being Korean supplier whether its applicable to Baekgun?	Agreed
26	Section-III Evaluation & Qualification Criteria	1.8 The Bidder must be registered with appropriate authorities	47	a) under Employees Provident Fund (EPF) and b) Employees State Insurance Act (ESI). c) The Bidder shall submit copies of EPF & ESI certificates. d) Further, the Bidder shall also submit an undertaking to the extent that the employees are paid not less than the remuneration notified under this contract.	Our Indian sub-contractor will comply with this rules/regulation , being Korean supplier its not applicable to Baekgun - please confirm.  Our Indian sub-contractor will comply with this rules/regulation , being Canadian supplier its not applicable to Amphibex - please confirm.	Sub contractor of the Foreign Bidders has to comply the rules of the purchaser country on behalf of the bidder. However, the responsibility lies on the bidder
27	Section-III Evaluation & Qualification Criteria	c- Financial Part	47	Cost of major replacement components, mandatory spare parts, and service. (i) The list of items and quantities of major assemblies, components, and selected spare parts, likely to be required during the initial period of operation (namely, two years or the period specified in the BDS Sub-Clause 16.4 as appropriate, is in the List of Goods). (ii) An adjustment equal to the total cost of these items, at the unit prices quoted in each bid, shall be added to the bid price, for evaluation purposes only.	There has been various contradictory clauses with regards to the: a) warranty period b) type of spares/mandatory spares/components/assemblies and c) cost of major replacement components to be considered in bid evaluation. d) the volume of spares to be quoted along with the equipment related to the working hours. Please specify the number of hours for which spare-parts need to be considered. Also please clarify if such spares need to be supplied along with the equipment. Please clarify on each of the same and the respective clauses mentioned in this regard.	Clause ITB 16.4 has been deleted
28	Section-III Evaluation & Qualification Criteria	Letter of Technical bid para (f)	50	Our bid shall be valid for a period of 120 days from the date fixed for the bid submission	As there is conflicting information please clarify what is the bid validity and what should be the duration for the bid security if submitted as Bank Guarantee	Technical Part para (f); our <b>bid valid for a period of 120 days</b> from the date fixed for bid submission deadline .  Refer ITB 18.1 - <b>The Bid security shall be valid for 148 days</b> (120+28) from the date of Bid Opening. –
29	Section-IV Bidding Forms	Sl. 1.3 - Price Schedule Forms	60	Price Schedule: Sr. No. 1.3 - Mandatory Spares for eight Dredger		Please refer the updated BoQ uploaded at Appendix- A and updated payment clause at Appendix-B
30	Section-IV Bidding Forms	Finance Bid: Bill of Quantity	60	BILL OF QUANTITY	Is this the ONLY document at page 60 to be filled by the foreign supplier? Please confirm.	Please ref ITB clause 11.3 The Bidder shall submit the following documents in its bid – a). On line -financial part in .xls b). Scanned copy of letter of Bid – Financial Part



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31	Section IV Bidding Forms	Price & Completion	63	Price and completion schedule - related services	If the Bidder is a foreign Manufacturer and he takes the services of a local agency for customs clearance, local transportation, erection & commissioning of equipment at Purchaser's site and after- sales parts and service support, There will need to be : 1) a separate schedule to fill for Description of services and charges from the local agency 2) Separate purchase order to be issued to the local agency in Indian currency	Please refer the updated BoQ uploaded at Appendix- A and updated payment clause at Appendix-B
32	Section V Eligible Countries	Section-V	71	Under ITB 4.7(a) and 5.1: NONE Under ITB 4.7(b) and 5.1: NONE	As IWAI is a Govt of India agency under Ministry of Ports, Shipping and Waterways, Rule 144 (xi) of the GFR 2017 is applicable and as per Office Memorandum No. 6/18/2019-PPD dated 23 July 2020 issued by Ministry of Finance the model clause in Annexure III needs to be inserted in all tenders. This is attached for your reference and inclusion	The procurement is as per World bank guidelines, hence the provision of GFR are not applicable. Refer "Manual for Procurement of Goods" chapter 1- Introduction- Policies and Principles- Clause 1.3 - Applicability of this Manual -Quote " These Guidelines would not be applicable to projects funded by World Bank and other International Funding Agencies,..... UnQuote
33	Section VII Schedule of Requirements - Technical Specification	1. General	76	The Amphibious Dredger (AD) is proposed to be deployed mostly for dredging of virgin soils comprising conglomerate material of both cohesive and non-cohesive soils (clayey and non-clayey soils) embedded with gravel, cobbles and boulders. The AD should be capable of dredging the soil strata of cohesive and non-cohesive nature and provide production of capacity min. 750-1000cum/hr (slurry) 20% concentration of solid by volume measured in- situ.	A. It is mentioned " Min. 750-1000 cum /hr slurry 20% B. Regarding this clause , we noted the tender requirement , but it may vary from site to site , our standard for wet soil is 10-15 % (except for pebbles) - please confirm is our standard is acceptable.	The Amphibious Dredger (AD) is proposed to be deployed mostly for dredging of virgin soils comprising conglomerate material of both cohesive and non-cohesive soils (clayey and non-clayey soils) embedded with gravel, cobbles and boulders. The AD should be capable of dredging the soil strata of cohesive and non-cohesive nature and provide production of capacity min. 750-1000cum/hr (slurry)15- 20% concentration of solid by volume measured in-situ.
33.1	Section VII Schedule of Requirements - Technical Specification	1. General	76	The major components of the Amphibian Dredger such as the main engine and dredge pump shall not be older than 2 years at the time of delivery of amphibian dredger at Kolkata / Guwahati	We purchase and stock critical components like engines prior to manufacturing as they have long lead times and it is not possible to supply in 9-12 months otherwise Further as the delivery time as per your tender itself is 9-12 months and the components might have been in stock before your order this clause is not reasonable We propose that you increase from 2 years to 3 years	Tender Condition Prevails : The major components of the Amphibian Dredger such as the main engine and dredge pump shall not be older than 2 years at the time of delivery of amphibian dredger at Kolkata / Guwahati
34	Section VII Schedule of Requirements - Technical Specification	1. General	76	the Tender specifies a production rate of 750-1000 m3/h	Could you please clarify the <u>distance</u> to be considered for the production volume mentioned on <u>page 76</u> ? Specifically, the Tender specifies a <u>production rate of 750-1000 m<sup>3</sup>/h</u> ; however, <u>the distance is not indicated.</u>	The production rate of 750-1000 m3/h with a distance of 500 m pipeline length.
35	Section VII Schedule of Requirements - Technical Specification	2. Construction of Dredger	76	Clamshell bucket (400-800 ltr) Dredging Bucket (Backhoe) (400-800 ltr) Excavator Bucket (400-800 ltr)	There seems to be a typing error as there are two types of buckets – clamshell and excavation. For dredging instead of bucket there is a dredge pump. Hence, we think you meant dredging pump instead of dredging bucket	Tender conditions Prevail. - The tools & attachments etc includes : a. Clamshell bucket (400-800 ltr) ; b. Backhoe Bucket (400-800 ltr) & c. Pole erecting bucket & Rake etc.

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36	Section VII Schedule of Requirements - Technical Specification	2. Construction of Dredger	76	Dredger shall be designed, constructed and equipped with necessary machineries and equipment along with other ancillary attachment suitable for this dredger.- Backhoe bucket - 1.Clamshell bucket (400-800 ltr). 2. Dredging Bucket (Backhoe) (400-800 ltr) 3. Excavator Bucket (400-800 ltr) 4. Clearing rake(2m-4m) 5. Pile driver (for pole of 15m) 6. Service Crane with gripper & Swivel head 7. HDPE pipes (200m ) 8. HDPE pipe floaters (2 floaters for each length) 9. Suction and Discharge Flexible hoses. 10. In built software for measurement and indication of dredging depth 11.Spare and wear parts package (1 set)	A. It is mentioned " 7. HDPE Pipes ( 200m) " B. IWAI to clarify whether the dredging - - Bucket (Backhoe) and clamshell Bucket (400-800 ltr) are separate equipment C. HDPE pipe floaters (2 floaters for each length) -IWAI may mentioned the floated per meter length D. The details of type of pile and pile driver to be clarified E. Please specify the type of Pole ( material and shape) for the Pile driver	A. Sl no. 7. May be read as - HDPE Pipes ( 500 m) B. Yes. dredging - - Bucket (Backhoe) and clamshell Bucket (400-800 ltr) are separate equipment C. The total length of pipeline is 500M, which constitute multiple length of 6 Meter each with connector and floater capable to afloat with 20% slurry during dredging..  D & E . Suitable, size of pile driver to drive 15m pile.
37	Section VII Schedule of Requirements - Technical Specification	2. Construction of Dredger	77	Capacities The Amphibion Cutter Suction Dredger is to be designed to operate in inland waters (NW-1 / NW-2 / NW-16) for maintaining the waterway during day and night if required.	The tender title is - Capacity Augmentation of National Waterway-1. (River Ganga) Project. However, the ICB Bid mentions "Amphibian Cutter Suction Dredger are to be designed to operate in inland waters (NW-1 / NW-2 / NW-16)" Kindly clarify if whether the dredger will be deployed beyond National Waterway-1. (River Ganga) Project.	The Amphibian Dredger are primarily required to operate in inland waters (NW-1 / NW-2 / NW-16) for maintaining the waterway during day and night. Also , if required IWAI on need base may deploy in other waterways also.
38	Section VII Schedule of Requirements - Technical Specification	2. Construction of Dredger	77	The dredger should have the capacity to dredge Fragmented rock of average size of 6 to10 mm. The backhoe bucket of the dredger is to be of sufficient strength to dredge both pretreated and treated rocks.	Regarding this clause , we noted the tender requirement , but it may vary from site to site , our standard for wet soil is 10-15 % (except for pebbles) - please confirm if our standard is acceptable.	Tender Condition Prevails : The Amphibious Dredger (AD) is proposed to be deployed mostly for dredging of virgin soils comprising conglomerate material of both cohesive and non-cohesive soils (clayey and non-clayey soils) embedded with gravel, cobbles and boulders. The AD should be capable of dredging the soil strata of cohesive and non-cohesive nature and provide production of capacity min. 750-1000cum/hr (slurry)15- 20% concentration of solid by volume measured in-situ.
39	Section VII Schedule of Requirements - Technical Specification	3. Design Construction & Performance	77	The dredger to be supplied shall be of any IACS member classification standards/ proven ,design/model with satisfactory performance for more than two years having minimum 2000 hrs yard operation. In this regard documentary evidences shall be provided along with performance report of the clients.	A. Pleaae specify, the type of IACS Certification that IWAI is preferring B. We understood from Canadian Registrar (KR) that since last 1-1.5 years there is no classification rules (Any IACS member) applicable to Assembling type of Amphibious Dredger and IV rules of 2022. Alternatively we would like to check whether we can appoint KR HELLAS (Subsidiary of KR) as Classification society. C. Request IWAI to confirm the same. Requirement for satisfactory performance report has been noted and shall be submitted. D. Could you kindly clarify what is meant by classification standard? For example, considering BV provides the class: BV Class I HULL DREDGER or BV Class I HULL • MACH etc. The same would applies to all IACS members. Therefore, we request clarification on which certification is required.	A. Design must comply to the classified soceity rules & IV Rules 2024 B. Designed documents must be approved by the classified Society.
40	Section VII Schedule of Requirements - Technical Specification	6.Principal dimension and other technical parameters	77-80	HDPE pipes (200m ) Pipeline Minimum 500m	As there is some inconsistency please clarify the pipeline length. Please note that quotation provided based on which estimates have been framed was for 200m	The length of the HDPE pipe line may be read as a. "HDPE Pipes ( 500 m) and length of 500 M" required.

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41	Section VII Schedule of Requirements Technical Specification	4. Construction of the HULL	77	The hull shall be constructed with Marine quality steel all welded as per the ship building practice Yard deliveries : Following to be delivered by the Yard 1. Towing wire 2. Consumables in excess of required for filling up systems and tests and trials.. 3. Standard Spares provided / recommended by manufacturers of various equipment including Hull inventory, various attachments, tools, 500 hrs. spare parts. 4 Mooring ropes and loose mooring equipment 5. Hand tools 6 Personal protection equipment	a. Steel used is IS 2062 or equivalent grade that is common practice for ship building all over the world. As "marine quality steel" is vague please replace with "IS 2062 or equivalent quality steel"	A. May be read as "IS 2062 or equivalent quality steel"  B. Tender Condition Prevails - Bidder / Supplier has to ensure, that the Tools & Tackles & other attachments & essentials are delivered along with the Delivery of the main equipment ( Amphibian dredger).
42	Section VII Schedule of Requirements Technical Specifications	5. Painting & Preservation	78	Swedish Standard SA 2.5	we will provide as per Amphibex Manufacturing standard - Please Confirm	Section-VII Schedule of requirements- Technical specifications for Amphibian dredger -5. painting & Preservation- Swedish Standard SA 2.5 is to be read as "SA 2.5 or Equivalent Standard."
43	Section VII Schedule of Requirements Technical Specification	6.Principal dimension and other technical parameters	80	Delivery pipe - 8" , HDPE pipe 500m length with floaters 2 no.s on each pipe length. Dredger hose with front support	a. The larger amphibian dredges with 750-1000 CuM/hr slurry capacity have a 10 inch delivery pipe. With 8 inches the output will be lower and hence we request this change b. Diameter of the delivery pipe may be left open for the vessel designer/vessel builder to decide based on the design.	May be read as a. HDPE Pipe (Delivery Pipe)= 10 inch. Diameter Or of suitable size for dredging capacity required b. "HDPE Pipes - length of 500 M" is required. c. HDPE Pipe Floaters Minimum 2 for each length of 3 meters approx..
				- Speed : 4 knots - - Dredge capacity : 750 - 1,000m <sup>3</sup> /hr @ 20% - - Transportation in a 48ft - 48" trailer	a. our standard for wet soil is 10-15 % (except for pebbles) - please confirm. b. We would like to know the % of Pebbles or fragmented rocks at site. c. We would also request to includes the Low-bed trailer/48" trailer	a. The AD should be capable of dredging the soil strata of cohesive and non-cohesive nature and provide production of capacity min. 750-1000cum/hr (slurry)15- 20% concentration of solid by volume measured in-situ b. .For easy transportation 48 ft long trailer or Low Bed trailer or suitable carriage may be used.
				length and width dimensions	a. Are the length and width dimensions mentioned in page 80 mandatory? b. To be more specific, for the sake of stability, the total width, including the lateral pontoons, of 5m may not be sufficient, and it would be necessary to increase this number to almost 6/6.5 m in line with the requirements of the classification society for crew safety, stability must be ensured without the use of stabilizers.	a. The range of dimensions is mandatory. b. Tender Conditions prevails – No Change
				The following tropical design conditions are to be taken into account: - - Maximum ambient temperature 500C. - Temperature in machinery spaces not to exceed 500C. - Minimum outside air temperature 50C. - Relative humidity 90%. - Maximum sea water temperature 370C. - Maximum velocity of current for dredge mode 3 knots.	a. The given temperatures are observed to be on higher side and the same may be experience only a few days in a whole year. Considering that aspect, sizing equipment for these temperatures would result in oversizing the equipment. That is a over-design. Hence request to confirm that the equipment/system need to operate at the indicated tropical design conditions, however equipment can have a reduction in its rated performance (known as equipment derating) during high temperatures as allowed by standards.	a. This is a standard condition b. Tender Conditions prevails – No Change
44	Section VII Schedule of Requirements Technical Specifications	7.Propulsion System	81	The dredger shall have self propulsion system,..... a. The maximum speed in this regard shall be 4 Knots b. In order to mobilize the dredger for a longer distance/higher speed suitable towing arrangements for towing/pushing activity shall be provided.	Request to clarify at what speed the dredger would be towed/pushed. Also clarify what provisions are to be catered on the dredger for towing/pushing?	May be read as a. The minimum Speed in this regard shall be 4 Knots. ( minimum) b. The Dredger shall be towed at 4 Knots Speed ( Minimum)

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45	Section VII Schedule of Requirements Technical Specification	8. Machineries & equipment	81	The marine quality of standard make and type of main engine as per the dredging requirement (suction dredge pump - capacity min. 500 cum/hr (slurry) 20% concentration of solid by volume shall be installed for the various activities as mentioned including the propulsion system.	<p>A. 8. Machineries &amp; equipment the requirement is " Min 500 cum / hr ( Slurry 20%)</p> <p>B. - our standard for wet soil is 10-15 % (except for pebbles) - please confirm.. - We would like to know the % of Pebbles or fragmented rocks at site.</p> <p>C. Based on page 81, a <u>minimum capacity of 500 m<sup>3</sup>/h (slurry) is required</u>, which contradicts with what is stated in Chapter 1, page 76, and Chapter 6, page 80. Moreover, this refers to slurry (silt and fine sand) and not fragmented rock.</p>	<p>May be read as:</p> <p>The marine quality of standard make and type of main engine as per the dredging requirement (suction dredge pump - capacity min. 750- 1000 cum/hr (slurry) 15- 20% concentration of solid by volume shall be installed for the various activities as mentioned including the propulsion system.</p>
46	Section VII Schedule of Requirements Technical Specification	11. Wheel House / Control Cabin	82	A. Dredging production control: <p>a. Flow rate gauge.</p> <p>b. Density Gauge</p>	<p>a. Density Gauge: Are there any limitations on the type of density and flow meters?. Is nuclear based system acceptable</p> <p>b. The details of density gauge to be clarified and type of measurement used for production control.</p> <p>c.Regarding the Dredging production control, we are wondering if the density meter should be nuclear or non-nuclear type?</p>	<p>a. Density Gauge of Suitable technology will be provided as per industry practices .</p> <p>b. Nuclear technology-based density gauge can also be provided.</p>
46.1	Section VII Schedule of Requirements Technical Specification	11. Wheel House / Control Cabin	82	A dredging operators console, complying with the general description, comprises the components for manual control and presentation of <p>- Vacuum and pressure meter for dredging pumps-</p> <p>- Hydraulic pressure remote indicator on bridge</p> <p>- Cutter; - Spud - pump drives ; - Flow Gauge - - Density Gauge - VHF radio - Gyro compass</p> <p>- All machinery, hydraulic equipment, etc. can be controlled by one worker.</p>	<p>-We need it to be done by two (2) operator.</p> <p>- Our operating room is the upper structure of the Excavator, and there is space constraint to accommodate the following all this functions.</p> <p>- Vacuum and pressure gauges for dredging pumps-</p> <p>- Hydraulic remote indicator in the wheelhouse</p> <p>- Cutter control must be possible.-</p> <p>- Spud control must be possible.-</p> <p>- The pump must be operable. -</p> <p>- Flow Gauge - - Density Gauge - - Must be able to make calls - - VHF radio - - Gyro compass instrumentation as per above , all these function can be provided in Engine room (not in operator room) -</p>	<p>To have the centralized control of the equipment's, all the control units shall be in wheel house / control Cabin itself.</p> <p>- No change , tender conditions prevails</p>
47		12.Navigation & Working Light	82	- IACS Suitable navigation lights according to the standards and Indian inland ships laws	We request IWAI to provide relevant standards and indian inland ship laws	Navigation lights are Statutory requirements and shall be in conformity to Indian - IV rule 2024
48		13 other Equipment	82	the following equipment to be provided <p>a. Service Crane with lifting grab and rotator</p>	Request to provide technical specification of the crane with lifting grab and rotator.	The Dredgers to be provided with suitable Service Crane for handling the discharge line and for lifting of various items on and off the deck
49	Section VII Schedule of Requirements Technical Specification	13. Other Equipments	83	<p>a. Furniture for crew Crews" accommodation shall be of a good shipbuilding standard. In general Cabins, WC/Showers, Stores, etc. to be equipped according to good shipbuilding practice, and the intended purpose/numbers of personnel served.</p> <p>b. Multipurpose Grabber, Crane with Rotating Head - Electric powered portable bilge pump- - Manual bilge pump ; - Any other equipment deemed necessary ;</p> <p>c. 1.2mAll tanks located at higher elevations are equipped with ladders. - galvanized steel railing - External stairs, steps and ladders are non-slip &amp; galvanized ; - String board is made of H-beam or L-shaped steel;</p> <p>- Sailor's Lounge (Accommodation) Follows shipbuilding standards;</p> <p>d. Must be equipped with crew furniture, cabins, and toilets/showers.</p> <p>e. Ventilation system: A fan to be mounted in the duct must be supplied.</p>	<p>a. Unlike CSD, these machines are more compact, lightweight and maneuverable. They do not have provision for accommodation, toilets and stores. Please delete this clause</p> <p>b. Whether accommodation to be made WC ,shower etc, if yes the details of compliment and type systems (bio digester type or sewage holding type etc )to be provided. Considering the mode of operation of amphibious CS dredger and operational route such requirements may not be necessary</p> <p>c. To create a workers' area with facilities such as a WC, shower, and storage, it appears that the hull would need to be longer than 12 meters. If this is not possible, the width of the lateral pontoons would need to be increased to accommodate these facilities.</p> <p>d. Due to space constraint, we are unable to provide Crew Furniture, Cabin WC / Shower , Please</p> <p>e. Confirm.</p>	A Section VII - Schedule of Requirements - Technical Specification - Under Clause 13- Other Equipment - Furniture for Crew, Clause has been deleted. Deleted

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50	Section VII Schedule of Requirements - Technical Specification	15. Spareparts, tools and other maintenance items	84	3. Standard Spares provided / recommended by manufacturers of various equipment	Request to confirm number of years of exploitation of equipment for which the spares to be recommended by equipment manufacturers?	Bidders to provide the list of Standard Spares provided / recommended by manufacturers of various equipment along with the price list
51	Section VII Schedule of Requirements - Technical Specification	16. Test & Trail	84	Testing of pumps and systems to be tested and demonstrated to the satisfaction of the IACS standards and the Owners representatives.	a. We understood from Canadian Registrar (KR) that since last 1-1.5 years there is no classification rules (Any IACS member) applicable to Assembling type of Amphibious Dredger and IV rules of 2022. Alternatively we would like to check whether we can appoint KR HELLAS (Subsidiary of KR) as Classification society. Request IWAI to confirm the same. We will conduct the test as per manufacturers standard.	Tender Conditions Prevails - Testing of pumps and systems to be tested and demonstrated to the satisfaction of the IACS standards and the Owners representatives.
52	Section VII Schedule of Requirements - Technical Specification	17. WARRANTY / Defect Liability Period	85	The Contractor shall provide 1 year warranty from the date of commissioning against the workmanship & materials. In case any defect is noticed, same is to be rectified repaired/supplied free of cost. The supplier has to assure availability of service/spares support for major equipment fitted on this dredger in India up to 7 years from the date of commissioning	It is understood that the supplier of equipment/items of this vessel has to ensure that the service and spare availability (as and when there is a need be) in India with a appropriate amount of notice time for arranging the same. Request to confirm the understanding is correct.	Section VII Schedule of Requirements - Technical Specification - Clause no. 17. WARRANTY / Defect Liability Period- The Contractor shall provide 1 year warranty from the date of commissioning against the workmanship & materials. In case any defect is noticed, same is to be rectified repaired/supplied free of cost. Availability of spare parts may be read as "the bidder should provide details about availability of spare parts and after sales service for equipment offered in the bid in purchaser country"
53	Section VII Schedule of Requirements - Technical Specification	18. Manning and Operation	85-86	1. Supplier shall provide required manpower for operation of vessel as per IV-Act 2021 during the defect liability period and shall undertake normal routine maintenance, cleanliness, proper mooring & berthing, shifting due to change in river course etc., for safety and serviceability of vessels by providing requisite manpower round the clock. a. The Supplier has to ensure operation of the vessel by qualified/ trained, competency certified personnel with adequate experience in the relevant field. The contractual charges are inclusive of all the expenses connected to manning. b. Maintenance of vessel must be attended as per marine practice/ guidelines/ statutory requirement and maintenance schedule of the manufacturer. EIC/RO's or his representative may inspect without any prior notice in this regard. Details of maintenance works carried out are also to be recorded in the log- book on completion of each maintenance work. c. Consumables and Stores: All running stores, spare parts, consumables and miscellaneous items required will to be provided by IWAI. Further, manufacturing defects, workmanship and serviceability of the various components, individually or compositely shall be dealt by the Supplier during the defect liability period and without any extra cost to the Purchaser. 2. <b>Minimum consolidated emoluments including Statutory allowances:</b> The Supplier has to ensure that the wages are as per Minimum Wages Act and as prevailing in the marine sector depending on their qualification, competency etc. All the statutory allowances such as PF, ESI, Bonus, Group Insurance are to be provided to each staff as prevailing.	A. It seems that Manufacturer/Bidder is also required to offer manpower service, apart from supply of equipment and service personnel for maintenance, to operate and run the vessel operations for 1 year period during defect liability / warranty period. Kindly confirm. B. Please confirm that the Bidder will ONLY be in charge for the ordinary and extraordinary maintenance, meanwhile the actual use of the dredges is entrusted to the Purchaser? C. Please specify what is intended for qualified/trained, competency certified personnel with adequate experience in the relevant field. D. Will the Purchaser define the Staff dedicated for the maintenance operations? E. Will the miscellaneous items such as fuel and wear parts be at the Purchaser's charge? Please confirm F. It is understood that the manpower for vessel operation during the defect liability period (that is 1 year warranty period from the date of commissioning) is to be catered by the shipyard. In that scenario, whether there will be any IWAI crew also present on-board? How the training of crew of IWAI (Clause 19 refers) is envisaged since all manpower is catered by shipyard. Further requesting IWAI to specify the number and qualification of the manning crew and operation details to be indicated	1. Supplier / Bidder, shall provide / deploy the qualified, Trained manpower with competency certificates, for maintenance of the Dredgers during the defect liability period to operate and run the vessel operations for 1 year period during defect liability / warranty period. 2. The miscellaneous items such as fuel and Consumables for operation shall be provided by the Purchaser, 3. The Boarding Lodging & other incidental for the operating personnels shall be the responsibility of the Suppliers/ bidder. 4. IWAI will identify their crew for training purposes at the time of delivery at site for operation & maintenance of the machinery for minimum 15 days. 5. Following man power shall be deployed by the successful bidder on each dredger: a. 1 no - Master Class 3 / D.C.O (Dredger Control Operator) b. 1 no -Deck hands c. 1 no -Engine Driver -IInd c. The manpower shall be deployed in National Waterways-1, 2 & 16.
54	Section VII Schedule of Requirements - Technical Specification	20. Registration	86	The dredger to be registered with State Govt as per the provision of Inland Vessel's. Act 2021 for which supplier shall provide the required hydrostatic details, construction drawings and other information/ documents. The name of the dredger, registration number, port of registry and draft mark should be engraved on the hull of the dredger as per the requirement of statutory authority.	DRAGFLOW will provide the necessary certifications and documents, please clarify if the Purchaser will provide the registration to the statutory authority as required?	The registration of the dredgers shall be the responsibility of the supplier and shall be carried out as per latest IV Act & Rules 2024.

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55	Section VII Schedule of Requirements Technical Specification	21. Indian Vessel Act 2021 ( 24 of 2021)	87	sl.no. Name of the Rule 1. The Inland Vessels (Survey and Certification) Rules, 2022 2. The Inland Vessels (Registration and other Technical issues) Rules, 2022 3. The Inland Vessels (Manning) Rules, 2022 4. The Inland Vessels (Crew and Passenger Accommodation) Rules, 2022 5. The Inland Vessels (Safe Navigation, Communication and Signals) Rules, 2022 6. The Inland Vessels (Life Saving Appliances) Rules, 2022 7. The Inland Vessels (Fire Fighting Appliances) Rules, 2022 8. The Inland Vessels (Prevention and Containment of Pollution) Rules, 2022 9. The Inland Vessels (Insurance, Limitation of liability and Obligations of service providers and service users) Rules, 2022 10. The Inland Vessels (Design and Construction) Rules, 2024	All mentioned rules/laws are Indian , we will follow Canadian standards and laws - please confirm. - About crew and passenger accommodation , we are unable to provide due to space constraint (as indicated above) therefore this is not applicable for us - please confirm. - Survey & certifications please clarify the requirement in detail	All Indian rules & regulation pertaining to Indian IV Act / Rules updated from time to time.  The requirement of crew & passenger accommodation deleted.
56	Section VII Schedule of Requirements Technical Specification	Inspection and tests page 92	92	Periodic inspection shall be carried out by the Engineer-in-charge (EIC) or his representative of their Amphibian Dredger The Ship Builder can have the inspection schedules finalized with the Engineer-in- charge (EIC). Generally, all attempts should be made to have joint inspection and number of inspections be not less than one in a week during the building phase /for repair / drydocking of Amphibian Dredger and other equipment. Class / Statutory inspection can be planned accordingly.	Bureau Veritas or other inspection agency will typically approve the drawings and will come 1-2 times during the manufacturing process. Thereafter, they will be present during final inspection at factory with IWAI representatives.  This is the standard practice and hence reference to inspections not less than once per week should be removed as they create confusion	- Agreed, the inspection of Engineer-in-Charge or his representative may be 01 or 02 times in case of foreign bidder during the construction period, if required.
57	Section VIII General Conditions of the Contract	33.1 Change Orders and Contract Amendments	111	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.	Please let us have your time table for notifying any eventual changes to the order. What is your time limit for the advising notification?  In case of modifications to the order, price and delivery time may change and an amended purchase order would be required. is this negotiable?	Subsequent to finalization & notification of award no changes or modifications are envisaged
58	Section VIII General Conditions of the Contract	GCC 14.9.3 Suppliers Obligations	125	The Supplier must be registered with appropriate authorities under Employees Provident Fund (EPF) and Employees State Insurance Act (ESI). The Bidder shall submit copies of EPF & ESI certificates. The Bidder shall submit an undertaking of submitting the Labor License (i.e. registration under Contract Labour (Regulation & Abolition) Act 1970) within 21 days of issuance of Letter of Acceptance (LOA). Further, the Bidder shall also submit an undertaking to the extent that the employees are paid not less than the remuneration notified under this contract.	a. Is this clause applicable for foreign bidders? We do not have access to your local authorities.  b. Our Indian sub-contractor will comply with this rules/regulation , being Canadian supplier its not applicable to Amphibex -please confirm.	a. Foreign Bidders and his sub-contractor, if engaged has to comply the rules of the purchaser country on behalf of the bidder. However, the responsibility lies on the bidder.
59	Section IX General Conditions of the Contract	GCC/SCC16.1 Payment Terms pages 125-127	125-126	Payment shall be made in currency in which the Bidder has Quoted in the following manner B.FOR FOREIGN SUPPLIERS:- Hundred percent (100%) payment shall be made against irrevocable letter of credit	a. Payment of amphibian dredger and mandatory spares shall be through Letter of Credit  b. But what are the payment terms for manning and GST to be paid to local India representative?	a. Please refer the updated BoQ uploaded at Appendix- A and updated payment clause at Appendix-B

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Sr	Reference	Clause	Page	Clause	Bidders query	Response by IWAI
60	Section IX General Conditions of the Contract	GCC 16.1 Customs Duty Payment	125	GCC 16.1 Payment shall be made in currency in which the Bidder has Quoted in the following manner: CONTRACT PRICE: Subject to any deduction and addition authorized by and to the other provisions of this contract, Owner shall pay to the contractor for the building, equipment, testing and delivery at specified destination, for the dredger including Dry Docking (import and customs Duty if applicable) and for all other works, matters, things and obligations to be executed, done, supplied and performed by the contractor under this contract including the provision of the hull inventory as specified (which said amount is herein called the contract price) by the time and in the manner following viz.	<p>a. If the foreign bidder quotes in CIF basis and local agency takes care of the other local support costs, in such cases, the customs duty will need to be paid directly by the Purchaser when the intimation of ship arrival at the port.</p> <p>b. Please confirm the above understanding and the Purchaser will pay the applicable customs duty as per the demand made by Customs Authority.</p>	<p>a. The bidder shall be responsible for payment of custom duty at the time of import,</p> <p>b. Provision for Custom duty payment has been provided in Revised BOQ uploaded at Appendix-A</p> <p>c. And Updated payment Clause at Appendix-B</p> <p>d. However, the same will be released on production of required document's limited to the value quoted by the bidder.</p>
61	Section IX General Conditions of the Contract	GCC 16.1.1 - Payment schedule for Local agency	125	A. FOR INDIGENOUS SUPPLIERS	<p>a. There may be cases where the local agency may incur certain expenses in order to provide local support as under the scope of work in which, the vendor support bills/ document may not be available.</p> <p>b. During such a scenario, the Agency will an raise an invoice on Purchaser for a lumpsum amount for which an ad hoc amount will be payable - Kindly confirm.</p>	<p>a. All Expenses are to be borne by the Supplier till the time of Handing over of the Equipment's</p> <p>b. Please refer the updated BoQ uploaded at Appendix- A and updated payment clause at Appendix-B</p>
62	Section IX General Conditions of the Contract	GCC 16.1.3 - Document towards processing of Payments	127	- Stage completion certificate by Classification Society and Engineer- in- Charge of customer linked with QAP	<p>a. We understood from Canadian Registrar (KR) that since last 1-1.5 years there is no classification rules (Any IACS member) applicable to Assembling type of Amphibious Dredger and IV rules of 2022</p> <p>b. Alternatively we would like to check whether we can appoint KR HELLAS (Subsidiary of KR)as Classification society. Request IWAI to confirm the same.</p>	Tender Conditions Prevails –
63	Section IX General Conditions of the Contract	GCC 16.5 - Payment delay by the Purchaser	127	The payment-delay period after which the Purchaser shall pay interest to the supplier shall be 30 days. The interest rate that shall be applied is  For Foreign currency: SOFR rate +2 % per annum, on the day of contract signing. For Local Currency: 2.5% per annum. (SOFR – Secured overnight financing rate)	<p>In the event where all the scope of work has been completed by the foreign Supplier for 2nd Stage Payment and/or 3rd &amp; Final Stage Payment, and there has been delay from the Purchaser side in giving the instructions, the foreign supplier not able to claim payment despite meeting all the criteria.</p> <p>Please specify penalty on Purchaser mentioned in GCC 16.5 will be applicable in such cases. We request that it should be similar to the rate applicable for penalty imposed on Supplier as per GCC 27.1.1 "the Penalty for late delivery / payment shall be ½ % of the cost of the vessel per week subject to a max of 10%."</p>	Tender Condition Prevails
64	Section IX General Conditions of the Contract	GCC 18.1 - Performance Security	127	- Performance Security The issuance is valid for up to 60 days from the date of completion of the obligation to be performed, including warranty obligations. - Performance Security Must be submitted in two separate parts - 5% of the total amount P-bond, - The total amount 1.5% Corresponding to P-bond(ESHS result)	The period of validity for Performance Security is too long. We would propose that we will submit the PBG upon successful delivery to IWAI and same be kept valid till end of warranty period. - please confirm.	Tender Condition Prevails: Performance Security The issuance is valid for up to 60 days from the date of completion of the obligation to be performed, including warranty obligations.

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Sr	Reference	Clause	Page	Clause	Bidders query	Response by IWAI
65	Section IX General Conditions	GCC 16.1.2 - Payment schedule	126	B.FOR FOREIGN SUPPLIERS:- Hundred percent (100%) payment shall be made against irrevocable letter of credit either through State Bank of India if exists in that country or through National Bank of that country for net DDP (delivery duty paid) at Guwahati value as per details below:- 1st Stage Payment of "Eighty percent (80%) net DDP price will be paid against delivery on board, inspection certificate (where applicable) and shipping & insurance documents till delivery at Kolkata or Guwahati. 2nd Stage Payment of Balance 10% will be paid on successful delivery at site as defined in this document  3rd & Final Stage Payment of 10% will be paid within 30 days after the successful completion of performance test in which the machine's performance would have been demonstrated by the supplier or his agent, after commissioning at the consignees' place and due certification by the authority and completion of all obligations required till due delivery of the Amphibian Dredger	Please confirm the following points: 1) Hundred percent (100%) payment shall be made against irrevocable letter of credit for the original purchase order value for each location. Please let us know if the LC could be confirmed (all the expenses of the confirmation will be borne by supplier.) 2) 2nd Stage Payment of Balance 10% - Goods Receipt Note (GRN) is well accepted document of delivery. Please confirm that GRN will be considered as the reference document to confirm the successful delivery at site or specify if any other method of confirmation. The same document shall be negotiated through the foreign supplier bank to claim the 2nd Stage Payment 10%. 3) 3rd & Final Stage Payment of 10% - Kindly confirm if, in the eventuality of impossibility of installation, start up and test of the dredge not attributable to the offerer, is it possible to receive an eventual confirmation document of payment within 90 days since the goods arrive in designed location	a. Please refer the updated BoQ uploaded at Appendix- A and updated payment clause at Appendix-B  b. LC shall be established for the Equipment Cost Quoted in BOQ in Foreign Currency  c. All the expenses of the confirmation of LC will be borne by supplier
65.1	Section IX General Conditions	GCC 16.1.2 - Payment schedule	126		In Sec.7 & BDS INCOTERMS CIP ,DAT are mentioned but here in this clause its indicates DDP please clarify which is correct incoterm to be followed by Bidder? Please confirm following standard terms are acceptable : - 40% : Down Payment. - 20% : After the receiving and proving that the hull, dredge pump, EG, excavator has arrived at manufacturer's premises - 20% : On board the vessel, inspection certificate before shipment and shipping & insurance documents - 10% : delivery at site as defined in this document - 10% : Final Stage Payment of 10% will be paid within 30 days after the successful completion of performance test in which the machine's performance would have been demonstrated by the supplier or his agent, after commissioning at the consignees' place and due certification by the authority and completion of all obligations required till due delivery of the Amphibian Dredger.	Not agreed - Tender conditions Prevails.  Please refer the updated BoQ uploaded at Appendix- A and updated payment clause at Appendix-B
66	Section IX General Conditions of the Contract	GCC 17 - Taxes & Duties		In the case of tax/ duty waiver, the purchaser will issue only the certificates in terms of the Government of India's notification as per information given by supplier in form stipulated in 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	Please confirm whether IWAI will provide duty exemption certificate (or relevant certificate to avail tax/duty waiver) to enable prepare price-bid appropriately and submit the same.	IWAI will not provide duty exemption certificate (or relevant certificate to avail tax/duty waiver). However, regarding this issue bidder has to assess as per prevailing laws.
67	General			NOTE AFTER PRE-BID MEETING OF 2024/10/07 A. As mentioned during the meeting, it was stated that a permanent employee would be provided to train operators for one year. We would appreciate further details and elaboration on this aspect of the contract. B. On page 92, it is mentioned that weekly inspections are required. However, this frequency may not be feasible. Could you kindly clarify or adjust the requirement to reflect a better inspection schedule? C. Finally, regarding the delivery deadline, we would like to inquire if it is possible to extend the delivery period to from 16 to 24 months?		1. IWAI will identify their crew for training purposes at the time of delivery at site for operation & maintenance of the machinery for minimum 15 days. 2. Inspection by Third Party Inspection Agency is agreed to. 3. No change in Delivery Schedule.
68	General			<b>In order to fairly compare the various offers from a technical standpoint, IWAI should include some non- negotiable data such as:</b> •Maximum load capacity at the tip of the arm when fully extended both longitudinally and transversely, and without stabilizers. This would ensure the stability and safety of the dredge against operator errors. •For greater durability and strength of the dredge, IWAI should specify the minimum thicknesses of the steel plates to be used in construction. •Considering that if the specifications are followed to the letter, the dredge would need to be redesigned, would it be possible to extend the delivery time by at least 3-4 months?		Tender Conditions Prevail Kindly Refer the Tender Specification and the clarification provided here with.



Amphibian Dredgers – Amendment to Tender Documents			Annexure -B
Sl.no	Document ref	As per Original Document	To be read as
1	Section-II Bid Data Sheet ITB 14.8 (a) Place of Destination	Place of Destination: Carriage & Insurance Paid To ( <i>CIP</i> ) <i>Kolkata</i> Place of Destination: Carriage & Insurance Paid To ( <i>CIP</i> ) <i>Kolkata</i>	a) 5 Amphibian Dredger with essential tools and attachments to be delivered at IWAI, GR Jetty, Kolkata, West Bengal  b) 3 Amphibian Dredger with essential tools and attachments to be delivered at IWAI, Pandu Port Guwahati, Assam 781012.  c) The mandatory spare parts asked in BoQ has been deleted.  d) Details of spare parts list along with Printed rate list to be provided with the bid submission.
2	Section-II Bid Data Sheet ITB 14.8 (b)	Final destination (Project Site)": <i>Kolkata, West Bengal, India</i> <i>Address of the consignee:</i> <i>Director – IWAI</i> <i>Inland Waterways Authority of India</i> <i>P-78 Garden Reach Road Kolkata West Bengal</i>	a) 5 Amphibian Dredger with essential tools and attachments to be delivered at IWAI, GR Jetty, Kolkata, West Bengal  b) 3 Amphibian Dredger with essential tools and attachments to be delivered at IWAI, Pandu Port Guwahati, Assam 781012.
3	Section-II Bid Data Sheet ITB 34.6	(c) the cost of major replacement components, mandatory spare parts, and service: [ Yes ] an adjustment equal to the total cost of these items, at the unit prices quoted in each bid, shall be added to the bid price, for evaluation purposes only.	Please refer the updated BoQ uploaded at Appendix- A and updated payment clause at Appendix-B  However, Bidder to provide the details of Spares List,
		(d) the availability in the Purchaser's Country of spare parts and after-sales services for the equipment offered in the bid [ <b>Yes</b> ]	The clause ITB 34.6 (d)- Availability of spare parts may be read as "the bidder should provide details about availability

<b>Amphibian Dredgers – Amendment to Tender Documents</b>			<b>Annexure -B</b>
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		in case the spares and after-sale services are not available then such a bid will be summarily rejected.	of spare parts and after sales service for equipment offered in the bid in purchaser country"
<b>4</b>	Section-III Evaluation & Qualification Criteria Experience and Technical capacity page 42	<p>Section-III Evaluation &amp; Qualification Criteria- The Bidder should have successfully completed three (3) "Similar Works" of Building of Amphibian Dredger in previous five (5) years before the last date of the Bid submission as per the criteria specified below:</p> <p>A. 3 similar completed services each costing not less than the amount equal to Rs 35.20 Crs each. Or USD 4.190 million or Euro 3.705 million.</p> <p>OR</p> <p>B. 2 similar completed services each costing not less than the amount equal to 44.00 Crs each Or USD 5.238 million or Euro 4.631 million.</p> <p>OR</p> <p>C. 1 similar completed service costing not less than the amount equal to 70.40 Crs Or USD 8.380 million or Euro 7.410 million.</p>	<p>Section-III Evaluation &amp; Qualification Criteria- The Bidder should have successfully completed three (3) "Similar Works" of Building of Amphibian Dredger in previous five (5) years before the last date of the Bid submission as per the criteria specified below:</p> <p>a). 3 similar completed services each costing not less than the amount equal to Rs 35.20 Crs each. Or USD 4.190 million or Euro 3.705 million.</p> <p>OR</p> <p>b). 2 similar completed services each costing not less than the amount equal to 44.00 Crs each Or USD 5.238 million or Euro 4.631 million.</p> <p>OR</p> <p>c). 1 similar completed service costing not less than the amount equal to 70.40 Crs Or USD 8.380 million or Euro 7.410 million.</p> <p>OR</p> <p>d). . Six (6) No Equipment's supplied in last 5 years.</p>
<b>5</b>	Section IV Bidding Forms Price bid form	<b>Finance Bid: Bill of Quantity</b>	<b>Finance Bid: Bill of Quantity Revision-1 at Appendix-A &amp; Appendix-B</b>

Amphibian Dredgers – Amendment to Tender Documents			Annexure -B
Sl.no	Document ref	As per Original Document	To be read as
6	Section VII Technical – Specification 2. Construction of Dredger	Dredger shall be designed, constructed and equipped with necessary machineries and equipment along with other ancillary attachment suitable for this dredger.- Backhoe bucket 1. Clamshell bucket (400-800 ltr) 2. Dredging Bucket (Backhoe) (400-800 ltr) 3. Excavator Bucket (400-800 ltr) 4. Clearing rake(2m-4m) 5. Pile driver (for pole of 15m) 6. Service Crane with gripper & Swivel head 7. HDPE pipes (200m ) 8. HDPE pipe floaters (2 floaters for each length) 9. Suction and Discharge Flexible hoses. 10. In built software for measurement and indication of dredging depth 11. Spare and wear parts package (1 set)	Dredger shall be designed, constructed and equipped with necessary machineries and equipment along with other ancillary attachment suitable for this dredger.- 1) Clamshell bucket (400-800 ltr) 2) Backhoe bucket (400-800 ltr) 3) Pole erecting bucket & Rake etc. 4) Excavator Bucket (400-800 ltr) 5) Clearing rake(2m-4m) 6) Suitable, size of pile driver to drive 15m pile. 7) Service Crane with gripper & Swivel head 8) HDPE Pipes ( 500 m) 9) HDPE pipe minimum 2 (Two) floaters for each individual length capable of floating pipeline of 500 m ) 10) Suction and Discharge Flexible hoses. 11) In built software for measurement and indication of dredging depth 12) Spare and wear parts package (1 set)
7	Section VII Technical – Specification 4. Construction of the HULL	The dredger shall be of multi pontoon or single pontoon with robust construction having adequate buoyancy and stability for performing the intended duties satisfactorily. The trim and stability information and data with certification of the consultant designer/statutory body as the case may be supplied as the proof of trim and stability. <b>The hull shall be constructed with Marine quality steel all welded as per the ship building practice.</b>	<b>Marine quality steel</b> May be read as "IS 2062 or equivalent quality steel"
8	Section VII Technical – Spec 5. Painting & Preservation	<b>Shot blasting and preparation:</b> All steel materials used to build this ship shall be shot-blasted and cleaned according to <b>Swedish Standard SA 2.5</b> before priming with zing silicate shop primer.	- Swedish Standard SA 2.5; May be read as "SA 2.5 or Equivalent Standard."

Amphibian Dredgers – Amendment to Tender Documents			Annexure -B
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9	Section VII Technical – Specification  6.Principal dimension and other technical parameters	Delivery Pipe Line – 8 inch” HDPE pipe 500m length with floaters 2 no.s on each pipe length. Dredger hose with front support  *The vessel can have detachable type arrangements for easy transportation in a 48ft. long trailer.	The range of dimensions is mandatory.  a. Delivery Pipe Line – 10 inch ” HDPE pipe 500m length with floaters 2 no.s on each pipe length. Dredger hose with front support or of suitable size for dredging capacity required  b. "HDPE Pipes - length of 500 M" is required.  c. The total length of pipeline is 500M, which constitute multiple length of 6 Meter each with connector and floater capable to afloat with 20% slurry during dredging..  d. For easy transportation 48 ft long trailer or Low Bed trailer or suitable carriage may be used.
10	Section VII Technical – Specification 7.Propulsion System	The dredger shall have self-propulsion system, suitable to builder’s design, as mentioned for carrying out the dredging, excavation and various other activities without the assistance of any workboat/tug or heave up boat. <b>The maximum speed in this regard shall be 4 knots</b>	May be read as  a. The minimum Speed in this regard shall be 4 Knots. (minimum)  b. The Dredger shall be towed at 4 Knots Speed (Minimum)
11	Section VII Technical – Specification  11. Wheel House / Control Cabin	<b><u>Dredging production control:</u></b>  a. Flow rate gauge. b. Density Gauge	a. Density Gauge of Suitable technology will be provided as per industry practices  b. Nuclear technology-based density gauge can also be provided.  c. The Production rate of the pump shall be between 750-1000 cum/hr and the dredged material ( Slurry) to be dumped at a minimum distance of 500 m.
12	Section VII		Deleted

<b>Amphibian Dredgers – Amendment to Tender Documents</b>			<b>Annexure -B</b>
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	Technical – Specification 11. Wheel House / Control Cabin	<b>Instruments in cabin:</b> The following repeaters for the instruments to be installed in Master cabin: a. Gyro compass b. One no VHF radio.	
<b>13</b>	Section VII Technical – Specification 13 other Equipment	The following equipment to be provided:- a) Service crane with lifting grab and rotator.	The Dredgers to be provided with Service Crane should be suitable for handling the discharge line and for lifting of various items on and off the deck
<b>14</b>	Section VII Technical – Specification 13 other Equipment	Furniture for Crew	, Furniture for Crew has been deleted. Deleted
<b>15</b>	Section VII Technical – Specification 15. Spare parts, tools and other maintenance items.	3. Standard Spares provided / recommended by manufacturers of various equipment	Bidders to provide the list of Standard Spares provided / recommended by manufacturers of various equipment along with the price list
<b>16</b>	Section VII Technical – Specification 17. WARRANTY / Defect Liability Period	The Contractor shall provide 1 year warranty from the date of commissioning against the workmanship & materials. In case any defect is noticed, same is to be rectified repaired/supplied free of cost. The supplier has to assure availability of service/spares support for major equipment fitted on this dredger in India up to 7 years from the date of commissioning	Availability of spare parts may be read as "the bidder should provide details about availability of spare parts and after sales service for equipment offered in the bid in purchaser country"

<b>Amphibian Dredgers – Amendment to Tender Documents</b>			<b>Annexure -B</b>
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<b>17</b>	Section VII Technical – Specification – 18. Manning	Supplier shall provide required manpower for operation of vessel as per IV-Act 2021 during the defect liability period and shall undertake normal routine maintenance, cleanliness, proper mooring	<ol style="list-style-type: none"> <li>1. Supplier / Bidder, shall provide / deploy the qualified, Trained manpower with competency certificates, for maintenance of the Dredgers during the defect liability period to operate and run the vessel operations for 1 year period during defect liability / warranty period.</li> <li>2. Following man power shall be deployed by the successful bidder on each dredger: <ol style="list-style-type: none"> <li>a. 1 no - Master Class 3 / D.C.O (Dredger Control Operator)</li> <li>b. 1 no -Deck hands</li> <li>c. 1 no -Engine Driver -IInd</li> </ol> </li> <li>d. The manpower shall be deployed in National Waterways</li> </ol>
<b>18</b>	Section VII Technical – Specification  Inspection and tests	Periodic inspection shall be carried out by the Engineer-in-charge (EIC) or his representative of their Amphibian Dredger The Ship Builder can have the inspection schedules finalized with the Engineer-in- charge (EIC). Generally, all attempts should be made to have joint inspection and number of inspections be not less than one in a week during the building phase /for repair / drydocking of Amphibian Dredger and other equipment. Class / Statutory inspection can be planned accordingly.	Periodic inspection shall be carried out by the Engineer-in-charge (EIC) or his representative of their Amphibian Dredger The Ship Builder can have the inspection schedules finalized with the Engineer-in- charge (EIC). Generally, all attempts should be made to have joint inspection and number of inspections be not less than one in a week during the building phase /for repair / drydocking of Amphibian Dredger and other equipment. Class / Statutory inspection can be planned accordingly However, in case of foreign bidder during the construction period, if required. the inspection of Engineer-in-Charge or his representative may be 01 or 02 times
<b>19</b>	Section IX – GCC GCC 16.1 Customs Duty Payment	GCC 16.1 Payment shall be made in currency in which the Bidder has Quoted in the following manner: CONTRACT PRICE:	GCC 16.1 Payment shall be made in currency in which the Bidder has Quoted in the following manner: CONTRACT PRICE:

Amphibian Dredgers – Amendment to Tender Documents			Annexure -B
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		Subject to any deduction and addition authorized by and to the other provisions of this contract, Owner shall pay to the contractor for the building, equipment, testing and delivery at specified destination, for the dredger including Dry Docking (import and customs Duty if applicable) and for all other works,.....	<p>Subject to any deduction and addition authorized by and to the other provisions of this contract, Owner shall pay to the contractor for the building, equipment, testing and delivery at specified destination, for the dredger including Dry Docking (import and customs Duty if applicable) and for all other works,.....</p> <p>The bidder shall be responsible for payment of custom duty at the time of import,</p> <ol style="list-style-type: none"> <li>Provision for Custom duty payment has been provided in Revised BOQ uploaded at Appendix-A</li> <li>And Updated payment Clause at Appendix-B</li> <li>However, the same will be released on production of required document's limited to the value quoted by the bidder.</li> </ol>
<b>20</b>	Section IX – GCC  GCC 16.1.1 - <u>for Indigenous Suppliers</u>	NEW Clause Added as GCC 16.1.1	<p><b><u>for Indigenous Suppliers</u></b></p> <p>Payment for the dredger or for each delivery will be made to the contractor on submissions of bills in accordance with the laid down procedure, as detailed below:-</p> <ol style="list-style-type: none"> <li>100% of the Equipment Cost quoted in BOQ of each consignment delivered to the consignee or dispatched from a station in India shall be released in two stages. These are <ul style="list-style-type: none"> <li>• <b>1<sup>st</sup> stage</b> will be released for 80% of the Equipment Cost quoted in BOQ on production of an initial <b><i>inspection note, as stated in section-VII Inspection and Tests &amp; GCC clause 16.1.4.</i></b> The number and date of the Railway receipt or bill of lading under which the equipment charged for in the bill are dispatched should be quoted/attached with the bill. In the case of stores dispatched by sea, one copy of the bill of lading should be attached to the bill. In the case of deliveries direct to</li> </ul> </li> </ol>

Amphibian Dredgers – Amendment to Tender Documents			Annexure -B
Sl.no	Document ref	As per Original Document	To be read as
			<p>the consignee (otherwise than by rail or steamer) the contractor should by way of proof of delivery, furnish an acknowledgement of the stores by the consignee recorded on the relevant copies of the Inspection Note.</p> <ul style="list-style-type: none"> <li>• <b>2<sup>nd</sup> stage payment</b> of 10% of the Equipment Cost quoted in BOQ shall be released after the arrival of the consignment in good condition at the place of delivery of the dredger at Kolkata or Guwahati. In addition the cost towards the transportation subject to maximum amount quoted as per BOQ – Finance Price schedule, Custom duty, GST , Others will be released against documentary evidences.</li> <li>• <b>3<sup>rd</sup> &amp; Final Stage Payment</b> of 10% of the Equipment Cost quoted in BOQ shall be released after successful completion of performance test in which the machine's performance would have been demonstrated by the supplier or his agent, after commissioning at the consignees' place and due certification by the authority and completion of all obligations including Trials, Commissioning and Acceptance of the dredger, including Registration as per IV Act &amp; Rules</li> </ul> <p><b>Manning</b> – the payment towards manning of vessel along with GST during Defect Liability Period (DLP) shall be paid on Quarterly basis as quoted in BOQ on submission of bills , attendance and certification of Engineer-in-charge (EIC)</p>
<b>21</b>	Section IX – GCC GCC 16.1.2 - <u>FOR FOREIGN SUPPLIERS:-</u>	NEW Clause Added as GCC 16.1.2	<p><b>B.FOR FOREIGN SUPPLIERS:-</b></p> <p>Hundred percent (100%) payment of the Equipment Cost quoted in BOQ shall be made against irrevocable letter of credit either through State Bank of India if exists in that country or though National Bank, as per details below:-</p> <p><b>1<sup>st</sup> Stage Payment</b> of "Eighty percent (80%) Equipment Cost quoted in BOQ net CIF price will be paid against</p>



Amphibian Dredgers – Amendment to Tender Documents			Annexure -B
Sl.no	Document ref	As per Original Document	To be read as
			<p>delivery on board, inspection certificate (where ever applicable) and shipping &amp; insurance documents.</p> <ul style="list-style-type: none"> <li>• <b>2<sup>nd</sup> Stage Payment</b> - of 10% of the Equipment Cost quoted in BOQ shall be released after the arrival of the consignment in good condition at the place of delivery of the dredger at Kolkata or Guwahati. And the cost towards the transportation subject to maximum amount quoted as per BOQ – Finance Price schedule, Custom duty, GST , Others will be released against documentary evidences.</li> </ul> <p><b>3<sup>rd</sup> &amp; Final Stage Payment</b> of 10% of the Equipment Cost quoted in BOQ shall be released after successful completion of performance test in which the machine’s performance would have been demonstrated by the supplier or his agent, after commissioning at the consignees’ place and due certification by the authority and completion of all obligations including Trials, Commissioning and Acceptance of the dredger, including Registration as per IV Act &amp; Rules</p> <p><b>Manning</b> – the payment towards manning of vessel along with GST during Defect Liability Period (DLP) shall be paid on Quarterly basis as quoted in BOQ on submission of bills , attendance and certification of Engineer-in-charge (EIC)</p>
<b>22</b>	Section IX – GCC GCC 16.1.3  Payment Towards INR ( Indian Rupee	NEW Clause Added as  GCC 16.1.3	<p><b>Payments towards INR (Indian Rupee) :</b> Payments towards INR (Indian Rupee) to the Indian Representative of the Foreign Bidder, shall be as per Cost quoted in BOQ against each activity, viz</p> <ul style="list-style-type: none"> <li>➤ <b>Custom Duty &amp; Transportation</b></li> <li>➤ Custom Duty at Port of Import</li> <li>➤ Transportation &amp; Delivery at Kolkata-</li> <li>➤ Transportation &amp; Delivery at Guwahati</li> <li>➤ Others –(Registration , Insurance , Etc)</li> </ul>

<b>Amphibian Dredgers – Amendment to Tender Documents</b>			<b>Annexure -B</b>
<b>Sl.no</b>	<b>Document ref</b>	<b>As per Original Document</b>	<b>To be read as</b>
			<ul style="list-style-type: none"> <li>➤ <i>Manning for Operations</i> of Vessel during defect liability period (DLP)</li> <li>➤ Amount of GST</li> </ul> <p>Bidders to note : All the relevant Documentations cum credentials towards the Indian Representative shall be submitted with the Technical Bid along with Bank Details.</p>
<b>23</b>	Section IX General Conditions of the Contract GCC 16.1.4 – <b>Documents towards processing of payments</b>	NEW Clause Added as GCC 16.1.4	<p><b>Documents towards processing of payments</b></p> <ol style="list-style-type: none"> <li>i. Stage completion certificate by Classification Society and Engineer-in-Charge of customer linked with QAP</li> <li>ii. Three copies of Invoice</li> <li>iii. Actual measurement report at every stage completion as per QAP</li> <li>iv. Machinery shop floor test report and material lab test reports</li> </ol>
<b>24</b>	Section IX General Conditions of the Contract GCC 16.1.5 – Shipping Documents	NEW Clause Added as GCC 16.1.5	<p><b><i>Details of Shipping and other Documents to be furnished by the Supplier are given below:</i></b></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> <ol style="list-style-type: none"> <li>1. 3 (three). Copies of the Supplier invoice showing contract number, goods description, quantity, unit price, total amount;</li> <li>2. Bill of Lading, Delivery note, Railway receipt, or Road consignment note or equivalent transport document or acknowledgement of receipt of goods from the Consignee;</li> <li>3. 3 (three)..Copies of packing list identifying contents of each package;</li> <li>4. Insurance certificate</li> <li>5. Manufacturer's/Supplier's warranty certificate;</li> <li>6. Inspection certificate issued by the nominated inspection agency, and the Supplier's factory inspection report; and</li> </ol>

<b>Amphibian Dredgers – Amendment to Tender Documents</b>			<b>Annexure -B</b>
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Sl.no	Document ref	As per Original Document	To be read as
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			<p>7. Certificate or origin. 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>
<b>25</b>	Section IX General Conditions of the Contract GCC 13.1.1 Delivery Schedule	<p>The delivery shall be affected in phases as under and overall completion shall be within (15 Months)- One and half year</p> <p>1) <i>Phase-I : Two Dredgers within 08-09 Months</i> 2) <i>Phase-II : Three Dredgers within 09 to 12 Months</i> 3) <i>Phase-III : Three Dredgers within 12 to 15 Months</i></p>	<p>The delivery shall be affected in phases as under and overall completion shall be within 15 Months.</p> <p>1) <i>Phase-I : Two Dredgers within 08-09 Months</i> 2) <i>Phase-II : Three Dredgers within 09 to 12 Months</i> 3) <i>Phase-III : Three Dredgers within 12 to 15 Months</i></p>
<b>26</b>	Section IX General Conditions of the Contract GCC 27.1 Liquidated damages	<p>The liquidated damage for delay in delivery shall be: ½ % per week on pro-rata basis up to a maximum of 10% of the contract value after which the Purchaser have the right to cancel the contract.</p> <p><b>Additionally penalty for following deficiencies up to a max of 10% of contract value shall be imposed if there is</b></p> <p><b>A. Deficiency in specification</b> <b>B. deficiency in performance – Speed &amp; Pump Capacity.</b> <b>C. deficiency in performance – Draft.</b></p>	<p>The liquidated damage for delay in delivery shall be: ½ % per week or the part there off on pro-rata basis on each mile stone on each Dredger up to a maximum of 10% of the contract value.</p> <p>The LD of ½% per week or part there off will be deducted and with held on the contract value for the delay on the particular dredger against the mile stones indicated.</p> <p>The final penalty shall be imposed on overall delay of contract value of particular dredger, subject to 10% of each dredger.</p> <p>The withheld amount retained during the stage execution will be adjusted accordingly.</p> <p><b>Additionally penalty for following deficiencies up to a max of 10% of contract value shall be imposed if there is</b></p> <p><b>A. Deficiency in specification</b> <b>B. deficiency in performance – Speed &amp; Pump Capacity.</b> <b>C. deficiency in performance – Draft</b></p>

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**Finance Bid: Bill of Quantity : Revision-1**

(for On-line Submission Schedule)

Validate

Print

Help

**Item Rate BoQ****Tender Inviting Authority:** Jal Marg Vikas Project, Inland Waterways Authority of India, Noida.

Supply &amp; Commissioning of a Multi-Utility Amphibian Dredger for NW-1 &amp; NW-2

**Contract No:-** IN-IWAI-445514-GO-RFB

Name of the Bidder / Firm

**PRICE SCHEDULE**

Sl. No.	Item Description	Quantity	Units	RATE Multi Currency	AMOUNT Rs. P	TOTAL AMOUNT In Words
1	2	3	4	5	6	7
	<b>Type of Equipment:-</b> Design, Construction and supply of a multi-utility Amphibian Dredger of proven design and standard model having satisfactory performance with one year builder warranty Dredging Capacity – capacity of min. 750-1000 cum/hr (slurry) 20% concentration of solid by volume by cutter suction dredging arrangements for discharge of the dredged spoil through dredge pipelines or nozzles. The dredger also to be supplied with other attachments for excavation, weed removal, driving and removal of piles etc as per detail in the technical specification. Bidder must quote the price of equipment including the required attachments, tools & other inventories etc on landed price basis inclusive of all taxes, trails and other terms and conditions mentioned in this tender document. The Bidder shall quote for CIF / Ex-works					
<b>1.0</b>	<b>Cost of Equipment</b>					
1.1	For NW-1 to be delivered at Kolkata within 8 to 9 months	2	no		<b>0.00</b>	Zero Only
1.2	For NW-1 to be delivered at Kolkata Within 9 to 12 months	3	no		<b>0.00</b>	Zero Only
1.3	For NW-2 to be delivered at Guwahati Within 12 to 15 months	3	no		<b>0.00</b>	Zero Only
<b>2.0</b>	<b>Custom Duty &amp; Transportation</b>					
2.01	Custom Duty at Port of Import	8	no		<b>0.00</b>	Zero Only
2.03	Transportation & Delivery at Kolkata-	5	no		<b>0.00</b>	Zero Only
2.04	Transportation & Delivery at Guwahati	3	no		<b>0.00</b>	Zero Only
2.05	Others –(Registration , Insurance , Etc)	8	no		<b>0.00</b>	Zero Only
<b>3.0</b>	<b>Manning for Operations</b>					
3.1	Manning for Operations of Vessel during defect liability period (DLP)	8	L.S		<b>0.00</b>	Zero Only
<b>4.0</b>	<b>GST</b>					
4.1	Amount of GST	1	LS		<b>0.00</b>	Zero Only
<b>Total in Figures</b>					<b>0.00</b>	Zero Only
<b>Quoted Rate in Words</b>		<b>INR / USD / Euro Zero Only</b>				

Note :- Evaluation will be done on total Price Basis taking all items together except for GST & Custom duty

Amphibian Dredgers –				APPENDIX - B
Sl.no	Document ref	Clause no	Pg no	To be read in conjunction with main Clause
1	Section IX General Conditions of the Contract	GCC 16.1 Customs Duty Payment	125	<p>a. The bidder shall be responsible for payment of custom duty at the time of import,</p> <p>b. Provision for Custom duty payment has been provided in Revised BOQ uploaded at Appendix-A</p> <p>c. And Updated payment Clause at Appendix-B</p> <p>However, the same will be released on production of required document's limited to the value quoted by the bidder.</p>
2	Section IX General Conditions of the Contract	GCC 16.1.1 - <u>for Indigenous Suppliers</u>	125	<p><b><u>for Indigenous Suppliers</u></b></p> <p>Payment for the dredger or for each delivery will be made to the contractor on submissions of bills in accordance with the laid down procedure, as detailed below:-</p> <p>a. 100% of the Equipment Cost quoted in BOQ of each consignment delivered to the consignee or dispatched from a station in India shall be released in two stages. These are</p> <ul style="list-style-type: none"> <li>• <b>1<sup>st</sup> stage</b> will be released for 80% of the Equipment Cost quoted in BOQ on production of an initial <b><i>inspection note, as stated in section-VII Inspection and Tests &amp; GCC clause 16.1.4.</i></b> The number and date of the Railway receipt or bill of lading under which the equipment charged for in the bill are dispatched should be quoted/attached with the bill. In the case of stores dispatched by sea, one copy of the bill of lading should be attached to the bill. In the case of deliveries direct to the consignee (otherwise than by rail or steamer) the contractor should by way of proof of delivery, furnish an acknowledgement of the stores by the consignee recorded on the relevant copies of the Inspection Note.</li> <li>• <b>2<sup>nd</sup> stage payment</b> of 10% of the Equipment Cost quoted in BOQ shall be released after the arrival of the consignment in good condition at the place of delivery of the dredger at Kolkata or Guwahati. In addition the cost towards the transportation subject to maximum amount quoted as per BOQ – Finance Price schedule, Custom duty, GST , Others will be released against documentary evidences.</li> <li>• <b>3<sup>rd</sup> &amp; Final Stage Payment</b> of 10% of the Equipment Cost quoted in BOQ shall be released after successful completion of performance test in which the machine's performance would have been demonstrated by the supplier or his agent, after</li> </ul>

				<p>commissioning at the consignees' place and due certification by the authority and completion of all obligations including Trials, Commissioning and Acceptance of the dredger, including Registration as per IV Act &amp; Rules</p> <p><b>Manning</b> – the payment towards manning of vessel along with GST during Defect Liability Period (DLP) shall be paid on Quarterly basis as quoted in BOQ on submission of bills , attendance and certification of Engineer-in-charge (EIC)</p>
3	Section IX General Conditions of the Contract	GCC 16.1.2 - <u>FOR FOREIGN SUPPLIERS:-</u>	126	<p><b><u>B.FOR FOREIGN SUPPLIERS:-</u></b></p> <p>Hundred percent (100%) payment of the Equipment Cost quoted in BOQ shall be made against irrevocable letter of credit either through State Bank of India if exists in that country or though National Bank, as per details below:-</p> <p><b>1<sup>st</sup> Stage Payment</b> of "Eighty percent (80%) Equipment Cost quoted in BOQ net CIF price will be paid against delivery on board, inspection certificate (where ever applicable) and shipping &amp; insurance documents.</p> <ul style="list-style-type: none"> <li>• <b>2<sup>nd</sup> Stage Payment</b> - of 10% of the Equipment Cost quoted in BOQ shall be released after the arrival of the consignment in good condition at the place of delivery of the dredger at Kolkata or Guwahati. And the cost towards the transportation subject to maximum amount quoted as per BOQ – Finance Price schedule, Custom duty, GST , Others will be released against documentary evidences.</li> </ul> <p><b>3<sup>rd</sup> &amp; Final Stage Payment</b> of 10% of the Equipment Cost quoted in BOQ shall be released after successful completion of performance test in which the machine's performance would have been demonstrated by the supplier or his agent, after commissioning at the consignees' place and due certification by the authority and completion of all obligations including Trials, Commissioning and Acceptance of the dredger, including Registration as per IV Act &amp; Rules</p>

				Manning – the payment towards manning of vessel along with GST during Defect Liability Period (DLP) shall be paid on Quarterly basis as quoted in BOQ on submission of bills , attendance and certification of Engineer-in-charge (EIC)
4	Section IX General Conditions of the Contract	GCC 16.1.3 Payment Towards INR ( Indian Rupee)	126	<p><b>Payments towards INR (Indian Rupee) :</b> Payments towards INR (Indian Rupee) to the Indian Representative of the Foreign Bidder, shall be as per Cost quoted in BOQ against each activity, viz</p> <ul style="list-style-type: none"> <li>➤ <b>Custom Duty &amp; Transportation</b></li> <li>➤ Custom Duty at Port of Import</li> <li>➤ Transportation &amp; Delivery at Kolkata-</li> <li>➤ Transportation &amp; Delivery at Guwahati</li> <li>➤ Others –(Registration , Insurance , Etc)</li> <li>➤ <i>Manning for Operations</i> of Vessel during defect liability period (DLP)</li> <li>➤ Amount of GST</li> </ul> <p><b>Bidders to note : All the relevant Documentations cum credentials towards the Indian Representative shall be submitted with the Technical Bid along with Bank Details.</b></p>
5	Section IX General Conditions of the Contract	GCC 16.1.4 – <b>Documents towards processing of payments</b>	126	<p><b>Documents towards processing of payments</b></p> <ol style="list-style-type: none"> <li>i. Stage completion certificate by Classification Society and Engineer-in-Charge of customer linked with QAP</li> <li>ii. Three copies of Invoice</li> <li>iii. Actual measurement report at every stage completion as per QAP</li> <li>iv. Machinery shop floor test report and material lab test reports</li> </ol>
6	Section IX General Conditions of the Contract	GCC 16.1.5 – Shipping Documents	127	<p><b><i>Details of Shipping and other Documents to be furnished by the Supplier are given below:</i></b> Upon delivery of the goods to the transporter/consignee, the supplier shall notify the purchaser and mail the following documents to the Purchaser:</p> <ol style="list-style-type: none"> <li>1. 3 (three). Copies of the Supplier invoice showing contract number, goods description, quantity, unit price, total amount;</li> </ol>

				<ol style="list-style-type: none"> <li>2. Bill of Lading, Delivery note, Railway receipt, or Road consignment note or equivalent transport document or acknowledgement of receipt of goods from the Consignee;</li> <li>3. 3 (three)..Copies of packing list identifying contents of each package;</li> <li>4. Insurance certificate;</li> <li>5. Manufacturer's/Supplier's warranty certificate;</li> <li>6. Inspection certificate issued by the nominated inspection agency, and the Supplier's factory inspection report; and</li> <li>7. Certificate of origin.</li> </ol> <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>
7	Section IX General Conditions of the Contract	GCC 13.1.1 Delivery Schedule	123	<p>The delivery shall be affected in phases as under and overall completion shall be within (15 Months).</p> <ol style="list-style-type: none"> <li>i. <i>Phase-I : Two Dredgers within 08-09 Months</i></li> <li>ii. <i>Phase-II : Three Dredgers within 09 to 12 Months</i></li> <li>iii. <i>Phase-III : Three Dredgers within 12 to 15 Months</i></li> </ol>
8	Section IX General Conditions of the Contract	GCC 27.1 Liquidated damages	131	<p>The liquidated damage for delay in delivery shall be: ½ % per week or the part there off on pro-rata basis on each mile stone on each Dredger up to a maximum of 10% of the contract value.</p> <p>The LD of ½% per week or part there off will be deducted and with held on the contract value for the delay on the particular dredger.</p> <p>The final penalty shall be imposed on overall delay of contract value of particular dredger, subject to 10% of each dredger.</p> <p>The withheld amount retained during the stage execution will be adjusted accordingly.</p> <p><b>Additionally penalty for following deficiencies up to a max of 10% of contract value shall be imposed if there is</b></p> <ol style="list-style-type: none"> <li><b>A. Deficiency in specification</b></li> <li><b>B. deficiency in performance – Speed &amp; Pump Capacity.</b></li> <li><b>C. deficiency in performance – Draft.</b></li> </ol>



9	Section VII Schedule of Requirements - Technical Specification	18. Manning & Operation	85	<ol style="list-style-type: none"> <li>1. Supplier / Bidder, shall provide / deploy the qualified, Trained manpower with competency certificates, for maintenance of the Dredgers during the defect liability period to operate and run the vessel operations for 1 year period during defect liability / warranty period.</li> <li>2. The miscellaneous items such as fuel and Consumables for operation shall be provided by the Purchaser,</li> <li>3. The Boarding Lodging &amp; other incidental for the operating personnels shall be the responsibility of the Suppliers/ bidder.</li> <li>4. IWAI will identify their crew for training purposes at the time of delivery at site for operation &amp; maintenance of the machinery for minimum 15 days.</li> <li>5. Following man power shall be deployed by the successful bidder on each dredger: <ol style="list-style-type: none"> <li>a. 1 no - Master Class 3 / D.C.O (Dredger Control Operator)</li> <li>b. 1 no Deck Hand</li> <li>c. 1 no Engine Driver – Iind</li> <li>d. The manpower shall be deployed in National Waterways-1, 2 &amp; 16.</li> </ol> </li> </ol>
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