

Inland Waterways Authority Of India			Jal Marg Vikas Project
RFP No: IN-IWAI-445514-GO-RFB-1			Amendment-1 dated 19.09.2025
CPPP Tender ID : 2025_IWAWB_874827_1			
Work Description :- Procurement of 8 Nos. Amphibian Dredgers			
File Reference : IWAI /WB / NW-1/14/19/2024			
Sl.	Bid document ref	Existing Text	To be Read as
1.	IFB Clause 6 Pg 3, ITB 7.1 Pg 29	LAST DATE AND TIME FOR RECEIPT OF BIDS DATE 25.09.2025 TIME 15.00 Hrs	LAST DATE AND TIME FOR RECEIPT OF BIDS DATE 06.10.2025 TIME 15.00 Hrs  The clause appearing in the entire Tender Document stands amended and to be read as above wherever applicable.
2.	IFB Clause 6 Pg 3	TIME & DATE OF OPENING OF BIDS- TECHNICAL PART DATE 25.09.2025 TIME 15.30 Hrs	TIME & DATE OF OPENING OF BIDS- TECHNICAL PART DATE 06.10.2025 TIME 15.30 Hrs  The clause appearing in the entire Tender Document stands amended and to be read as above wherever applicable.
3.	Section VII Clause 7, Pg 81	The maximum speed in this regard shall be 4 knots (minimum).	May be read as "The average minimum speed in this regard shall be 4 knots."
4.	Section VII Clause 6, Pg 80	Suction pump: Robust Hydraulic drive variable load suitable for required dredging output capacity. With filters on both suction and return line	May be read as Suction pump: Robust Hydraulic drive with variable load capacity designed to meet the required dredging output. Hydraulic circuit line equipped with filters on both suction and return lines for reliable operation.
5.	Section III, Financial Part, Pg 46	(e) Projected operating and maintenance costs.: Not Applicable Operating and maintenance costs: An adjustment to take into account the operating and	May be read as (e) Projected operating and maintenance costs.: Applicable

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		<i>maintenance costs of the Goods will be added to the bid price, for evaluation purposes only, if specified in BDS Sub-Clause 34.5. The adjustment will be evaluated in accordance with the methodology specified in the BDS Sub-Clause 34.5.</i>	<i>Operating and maintenance costs: Item No. 3 of BoQ, Manning for Operations of Dredger for two (2) years after commissioning as per Schedule of Requirements under Section VII, shall form an integral part of and be mandatorily considered in the Financial Evaluation of the Bids.</i>
6.	SCC- GCC 26.2 Pg 135	<i>The Inspections and tests shall be conducted at: Location(s) as specified in the Technical Specifications.</i>	<i>May be read as The Inspections and tests shall be conducted at: Location(s) as specified in the Technical Specifications. Inspection team shall consist of maximum two nos. of IWAI officials.</i>
7.	<i>Section III, Eligibility Criteria Clause (b) (i), Pg 42</i>	<i>i) The Bidder shall be a manufacturer, (Original Equipment Manufacturer) who has experience and satisfactory performance record for the design, construction, supply of Amphibian Dredger or similar types and capacity during last seven (7) years (Financial year 2018 to 2025), Or their Authorized supplier in India. The bidder' should have manufactured and supplied/ erected/ commissioned) at least 4 Nos. of Dredger (50% of the requirement) of similar type in at least one of the last seven (7) years prior to bid submission deadline. For a joint venture, this requirement may be met by all members combined. ii) The supplied Amphibian Dredger of similar types, by the bidder, shall be operating</i>	<i>May be read as i) The Bidder shall be a manufacturer, (Original Equipment Manufacturer) who has experience and satisfactory performance record for the design, construction, supply of Amphibian Dredger or similar types and capacity during last seven (7) years (Financial year 2018 to 2025), Or their Authorized supplier in India. The bidder should have manufactured and supplied with commissioning of atleast 4 Nos. of Dredger (50% of the requirement) of similar type in at least one of the last seven (7) years prior to bid submission deadline." For a joint venture, this requirement may be met by all members combined. ii) The supplied Amphibian Dredger of similar types, by the bidder, shall be operating satisfactory performance over a period of two years with minimum 2000 hrs operation.</i>

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		<i>satisfactory performance over a period of two years with minimum 2000 hrs operation. Similar type Means "Design, construction &amp; supply of Amphibian Dredger or cutter suction dredgers/any other dredgers of atleast 750 cum/ hr capacity (slurry)"</i>	<i>Similar type Means "Design, construction &amp; supply of Amphibian Dredger or cutter suction dredgers/any other dredgers of atleast 750 cum/ hr capacity (slurry)"</i>
8.	<i>Section III, Eligibility Criteria Clause (b) "Note", Pg 42</i>	<i>Copy of work order / letter of award / letter of work agreement alone shall not suffice Bidders claim for executing the Similar Works. Submitting completion certificate from the client on its letter head along with supporting documents as mentioned above is mandatory to qualify.</i>	<i>May be read as "Copy of Work Order including completion certificate from the client is mandatory to qualify"</i>
9.	<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			

Pre-Bid Clarification on Bidding Document for Procurement of Amphibian Dredger Pre-Bid Held on 04.09.2025						
ICB No: IN-IWAI-445514-GO-RFB-1 August' 2025						
Sr No	Reference Title	Clause No	Page No	Clause	Bidders query	Response by IWAI
1	Section II Bid Data Sheet (BDS)	ITB 4.1	28	b. It is not mandatory to get the JV registered, interested bidderes are requested to submit a JV Agreement duly notarized in India. Or by Indian Embassy in their country.	Please suggest the procedure, if the JV is between Indian & Foreign Companies i.e. for both options mentioned here under 1. Foreign company as Lead bidder 2. Indian company as Lead Bidder	Tender Condition Prevails
2	Section VII Schedule of Requirements - Technical Specification	Cl. 17 Warranty / Defect Liability Peirod & 18 Manning and Operation	85 86	The contractor shall provide 1 year warranty from the date of commissioning against the workmanship & materials. 3. Supplier shall provide requiried manpower for operation of Dredgers as per IV - Act 2021 for two years from the date of commissioning and shall undertake normal routine maintenance, cleanliness, proper mooring & berthing, shifting due to change in river course etc. for safety and serviceability of Dredgers by Providing requisite manpower round the clock.	Request to please amend the duration of required manpower as per defect liability peirod. Only Man power costing for operaitons shall be considered for the second year and requiried material or equipment will be provisioned at extra cost.	Vessel Manning for 2 years from the date of commissioning to the equipment shall be provided by the supplier. This perid covers the defect liability period of 1 year. Ths consumables viz. HSD, Lubricants etc. shall be provided by IWAI as per requirment.  Tender conditions prevails.
3	Section VII Technical Specification	7. Propulsion System	81	The maximum speed in this regard shall be 4 knots (minimum). The Dredger shall be towed at 4 Knots Speed	It is mentioned that the speed as maximum and (in last) minimum which is creating ambiguity. Please clarify the same.	May be read as "The average minimum speed of the dredger shall be 4 knots."
4	Section VII Schedule of Requirements - Technical Specification	3. Design Construction and 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 operaiton. In this regard documentary evidences shall be provided along with performance reprot of the clients.	Please clarify on the IACS Standard.  Request to consider RINA / Equivalnt standards.	The dredgers to be supplied shall be classed under any IACS members. IACS members include RINA also.
5	IFB	IFB	3	LAST DATE AND TIME FOR RECEIPT OF BIDS DATE 25.09.2025 TIME 15.00 Hrs	We are in process of completing the necessary JV formalities and it requires additional time to finalize. We hereby request you to extend the due date of Tender submission for another 30 days.	The JV registration formalities may be undertaken after award of work. A formal agreeent between JV partners shall be done at this stage. The agreement formalities shall be done at the bidding stage. Sufficient time shall be provided after uploading pre-bid responses.
6	Section II- Bid Data Sheet	ITB 34.6 (a)	38	The delivery shall be affected in phases as under and overall completion shall be within 15 months. Phase -I: Two Dredgers within 08-09 Months Phase-II: Three Dredgers within 09 to 12 Months Phase-III: Three Dredgers within 12 to 15 Months	Please consider delivery period as follow from the date of Award. Phase-I: Two Dredgers within 12 Months Phase-II : Three Dredgers within 13 to 15 Months Phase-III: Three Dredgers within 16 to 18 Months	No change. Tender Condition Prevails
7	ITB	ITB 19.1	17	The Bidder shall furnish as part of its bid, either a Bid-Securing Declaration or a bid security, as specified in the BDS, in original form and, in the case of a bid security. In the amount and currency specified in the BDS.	we understand that Insurance Surety Bond is allowed as bid security from the stated clause please confirm the same.	This is ICB bidding of World Bank funded project. Insurance surety bond is not allowed as bid security. Refer Clause ITB 19.1 of Section II- BDS
8	ITB	ITB 42.1	27	Within twenty eight (28) days of the receipt of notification of award from the Purchaser, the successful Bidder, if required, shall furnish the Performance Security in accordance with the GCC, subject to ITB 34.5, using for that purpose the Performance Security Form included in Section X, Contract Forms, or another Form acceptable to the Purchaser.	we understand that Insurance Surety Bond is allowed as Performance security from the stated clause please confirm.	Performance Security shall be in the form as specified in the GCC/ SCC: The Performance Security shall be submitted in two separate Bank Guarantees in the Standard Form of Bank Guarantee of the Employer. Refer Clause 18 of GCC and Clause GCC 18.1 of SCC.
9	Section VII Schedule of Requirements - Technical Specification	18 Manning and Operation	86	1. Supplier / Bidder, shall provide / deploy the qualified, Trained manpower with competency certificates, for maintenance of the Dredgers to operate and run 8 Nos. of Dredgers for 2 year period from the date of commissioning.	Experience clause Bidder or any member (in case of JV/Consortium) should have prior experience of manning and operation of 4 dredgers for one year (50% of requireme 50% of requirement has been kept as criteria for supply but not for manning and operation which is also major part of tender scope Also proper manning and operation by experienced staff is mandatory for safety as work is in rivers Proper manning also ensures longer life of machine and lower maintenance costs	No change. Tender Condition Prevails

Pre-Bid Clarification on Bidding Document for Procurement of Amphibian Dredger Pre-Bid Held on 04.09.2025						
ICB No: IN-IWAI-445514-GO-RFB-1 August' 2025						
Sr No	Reference Title	Clause No	Page No	Clause	Bidders query	Response by IWAI
10	Section VII Schedule of Requirements - Technical Specification	1. General	76	The AD should be capable of dredging the soil strata of cohesive and non-cohesive nature and provide production of capacity min. 750 cum/hr (slurry) 20% concentration of solid by volume measured in-situ	Increase minimum capacity to 900 cum/hr (slurry) 20% concentration of solid by volume measured in-situ. World Bank has framed the project cost based on AD capable of capacity 750-1000 cum/hr. Now by downgrading to 750 even though this is minimum value it will allow scope to give lower capacity AD than the original capability	No change. Tender Condition Prevails
11					Clarify minimum capacity to 750 cum/hr (slurry) at 10m dredging head 20% concentration of solid by volume measured in-situ. Dredging capacity (slurry flow rate) changes based on dredging head (combination of dredging depth, pipe distance and terminal elevation). Hence, without specifying dredging head it is incomplete requirement to say min 750 cum/hour (slurry)	No change. Tender Condition Prevails
12	Section VII Schedule of Requirements - Technical Specification	6 Principal Dimension And Other Technical Parameters	80	Engine capacity mounted 200-300 KW (min)	Engine should be compliant with BS Stage V or equivalent international norms India has submitted climate change pledges to UN for 50% decarbonisation by 2030 and net zero by 2070 How can Ministry tender for a World Bank funded project not be compliant with latest global emission norms for such machinery	The engine should be "as per the standards of classification society" (IACS)
13	Section VII Schedule of Requirements - Technical Specification	13 Other Equipment	83	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	Suitable for lifting various items is vague Lifting capacity should be specified as 2500 kg at 6M which is the requirement to lift the pipeline Clear tender terms as per customer requirement removes scope of dispute and ensure proper work completion	Tender Condition Prevails
14	Section VII Schedule of Requirements - Technical Specification	6 Principal Dimension And Other Technical Parameters	80	Suction pump: Robust Hydraulic drive variable load suitable for required dredging output capacity. With filters on both suction and return line	Robust Hydraulic drive refers to Hydraulic Pump, not Suction (dredge) pump Also filters on suction and return line are not on dredge pump. This is confusing and may be a typographical error. Please amend	Refer Clause 6 Section VII May be read as "Robust Hydraulic drive with variable load capacity designed to meet the required dredging output. Hydraulic circuit line equipped with filters on both suction and return lines for reliable operation.
15	Section VII Schedule of Requirements - Technical Specification	General Query		General Query	Weight of machine not specified. Considering ease of transport the machine should weight not more than 28 tons during the operations and should be able to lift itself on to trailer. NW1 is over 1500KM and cranes are not easily available in all locations. It is not practical to move the machine long distances in the water. Hence, keeping the overall weight of the machine low will permit ease of shifting. Also the machine should be able to move in and out of water and load/unload itself on trailer by itself without any external support of cranes	It must be capable of self loading/ unloading into trailer and independently entering/ exiting water bodies. The overall weight should be optimized to ensure practical mobility across regions where crane availability is limited. Further the equipment must have IACS class certification.
16	Section VII Schedule of Requirements - Technical Specification	11 Wheel House/Control Cabin	82	Vacuum and pressure meters for dredge pump	This should read adequate pressure meters for dredge pump Also cabin should be FOPS (falling object protection) certified For clarity as pressure meter for pump shows pressure in all working conditions FOPS is important for operator safety especially where other heavy machinery like cranes and overhead bridges under which the machine has to pass	The equipment has to work in open sky. Tender Condition Prevails
17	IFB	IFB	3	LAST DATE AND TIME FOR RECEIPT OF BIDS DATE 25.09.2025 TIME 15.00 Hrs	Extend by 30 days Pre bid replies have to be uploaded by department and only after that bid preparation will begin Bank Guarantee has to be prepared which takes long time for foreign bidders through their counterpart bank in India Also bid documents from overseas have to be sent to India and notarised Hence, please allow 30 days from date of uploading pre bid replies	Appropriate time shall be provided for Bid Submission after uploading Pre-Bid Responses.

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Sr No	Reference Title	Clause No	Page No	Clause	Bidders query	Response by IWAI
18	Section VII Schedule of Requirements - Technical Specification	18 Manning and Operation	86	1. Supplier / Bidder, shall provide / deploy the qualified, Trained manpower with competency certificates, for maintenance of the Dredgers to operate and run 8 Nos. of Dredgers for 2 year period from the date of commissioning.	The Bidder, or any member thereof in the case of a Joint Venture/Consortium, shall have prior experience in the manning and operation of a minimum of four (4) dredgers for a continuous period of not less than one (1) year, which shall constitute fifty percent (50%) of the overall requirement. While fifty percent (50%) of the requirement has been stipulated as the qualifying criterion for supply, no such criterion has been specified for manning and operation, which constitutes a major part of the tender scope. It is imperative that proper manning and operation be carried out by experienced personnel, as this is critical to ensuring safety, particularly given that the work is to be executed in riverine conditions. Furthermore, adequate and skilled manning not only safeguards operational safety but also contributes significantly to enhancing the service life of the dredgers and reducing maintenance costs.	No change. Tender Condition Prevails
19	Section VII Schedule of Requirements - Technical Specification	6 Principal Dimension And Other Technical Parameters	80	Engine capacity mounted 200-300 KW (min)	The engine shall mandatorily comply with BS Stage V emission standards or equivalent international norms of equal or higher stringency. Only engines with valid certification from recognized statutory authorities shall be accepted. No relaxation in this requirement shall be permitted. Since funded by the World Bank, we must unequivocally mandate adherence to the latest global emission norms applicable to such machinery. Any relaxation or deviation from these standards would be contrary to India's national climate commitments and inconsistent with the compliance expectations of international funding agencies.	The engine should be "as per the standards of classification society" (IACS)
20	Section III Evaluation and Qualification Criteria	Eligibility Criteria: Financial Solvency	41	In case of a Joint Venture, the lead member should meet at least 50% of the qualification requirement and the total of qualification requirements should be met by adding the qualifications of all members of JV.	In case of a Joint Venture, the total of Qualification requirement should be met by adding the qualifications of all members of JV.	No change. Tender Condition Prevails
21	Section III Evaluation and Qualification Criteria	Manufacturing experience and Technical Capacity	43	Bidder shall provide Details of having the infrastructure facilities: 1. Ship Building Yard along with requisite facilities of his own or same on Lease / Rent basis existing on the day of submission of bid. (Proof for the same must be submitted.) 2. Existing facilities for inspection and testing in the factories.	Whether existing manufacturing facilities can be submitted as a documentary evidence	Yes, existing manufacturing facilities can be submitted as a documentary evidence.
22	Section III Evaluation and Qualification Criteria	Financial Part	46	c. 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).	Confirm the nos. Of year for list of spares	The list of items and quantities of major assemblies, components, and selected spare parts, likely to be required during the initial period of operation for two years. Tender Condition prevails
23	Section III Evaluation and Qualification Criteria	Financial Part	46	(e) Projected operating and maintenance costs.: Not Applicable Operating and maintenance costs: An adjustment to take into account the operating and maintenance costs of the Goods will be added to the bid price, for evaluation purposes only, if specified in BDS Sub-Clause 34.5. The adjustment will be evaluated in accordance with the methodology specified in the BDS Sub-Clause 34.5.	Confirm whether O&M cost will be considered for financial evaluation	Refer Financial part Section III: May be read as (e) Projected operating and maintenance costs.: Applicable Operating and maintenance costs: Item No. 3 of BoQ, Manning for Operations of Dredger for two (2) years after commissioning as per Schedule of Requirements under Section VII, shall form an integral part of and be mandatorily considered in the Financial Evaluation of the Bids. Thus the O&M cost will be considered for financial evaluation
24	SCC	GCC.16.1.1 (New Clause)	127	Manning – the payment towards manning of each Dredger along with GST for two years shall be paid Quarterly on pro-rata basis as quoted in BOQ on submission of bills, attendance and certification of Engineer-in-charge (EIC)	Payment of O&M to be made monthly	No change, Tender Condition Prevails

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Sr No	Reference Title	Clause No	Page No	Clause	Bidders query	Response by IWAI
25	General Query				Reason for reduction in cost estimate despite an increase in scope of work, including 2 years of O&M as compared to earlier.	The earlier delivery of dredgers was at Kolkata (NW-1) and Guwahati (NW-2). In the current tender, the delivery location of all equipment is Kolkata (NW-1) only. Accordingly, the cost adjustment in respect of O&M and delivery location will be there.
26	IFB	IFB	3	LAST DATE AND TIME FOR RECEIPT OF BIDS DATE 25.09.2025 TIME 15.00 Hrs	Extension of Bid submission by four weeks.	Appropriate time shall be provided for Bid Submission after uploading Pre-Bid Responses.
27	IFB	Clause No:2	2	Supply of Eight (8) Nos Amphibian Dredger are to be designed to operate in inland waters (NW-1) 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 ii. Phase-II : Three Dredgers within 09 to 12 Months iii. Phase-III : Three Dredgers within 12 to 15 Months	It is submitted that the dredgers to be build and supplied at Kolkata as per the schedule and make arrangements for launching the dredgers in to waterways manning and operate it for two years. In the event of the schedule of supply falling in Monsoon period suitable leverage to be provided to bidder as during flood season launching of the vessels may not be practicable. As such request to provide suitable rider clause for not effecting penalties.	In case of conditions not in control with the contractor or department, necessary provisions under the Force Majeure clause (GCC Clause 32) will be considered.
28	Section III Evaluation and Qualification Criteria	Eligibility Criteria: Clause- (f)	43	If Bidder is not manufacturer: the criteria for qualification is the bidder being authorized Indian dealer shall demonstrate that he has successfully supplied at least three (3) similar items in the past (5) five years.	In the event the bidder is authorized Indian dealer and he is a dredging company / contractor owning more number of dredgers, executed similar dredging projects satisfactorily by maintaining/ doing minor and major repairs of vessels including dry docking using its own infrastructure may kindly be considered for eligibility subject to meeting other financial qualifications. Since construction, supply, manning and execution of the dredging project is under the scope of the work dredging contractor owning more number of dredgers having repair facilities including dry dock facilities may please be considered for qualification.	No change, Tender Condition Prevails
29	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	Considering the max length and breadth of the dredger required is around 10-12 mts and 3.0 to 5.0 mts respectively installing various components as per tech specifications may not be practicable at one time. Provision for all items will be made onboard and ancillary attachments supplied separately. Kindly confirm	No change, Tender Condition Prevails
30	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.	The vessels upon arrival at Kolkata and after launching of the vessels, and registration etc. vessels will be delivered and manning and operation will be provided for two years as per the scope. It is submitted that the defect liability of one year will commence from the date of delivery of the vessels. Kindly confirm	Refer clause 17 of Section VII. The "Defects liability of 1 year shall be from the date of commissioning against the workmanship & materials.
31	GCC/ SCC	Clause No: 24 of GCC and 24.1.1	109 & 133	Insurance	Insurance coverage is applicable till handing over of the dredgers to owners at Kolkata. Request to kindly confirm.	Refer SCC Clause - GCC 24.1.1 Insurance coverage is applicable till equipments are accepted by the owner, i.e, issuance of "Final Acceptance Certificate" by the Owner
32	GCC	Clause No: 26	109	Inspection and tests	In the event of inspection at outside the country the stage of inspection may please be clarified and number of teams for each inspection. Request to clarify please.	Inspections shall be done as per tender document Clause 16 of section-VII- Tests and Trials & SCC clause 16.1.4 & GCC 26 An inspection team shall consist of maximum two nos. of IWAI officials.
33	SCC	GCC 16.1.2 (New Clause)	128	Manning – The payment towards manning of Dredger along with GST for two years shall be paid Quarterly on pro-rata basis as quoted in BOQ on submission of bills.	Considering 8 dredgers manning to be provided with qualified highly skilled personnel for 2 years period payment may please considered on monthly basis as per the rates quoted. Request to kindly amend suitably.	No change, Tender Condition Prevails
34	SCC	GCC 27.1	135	The final penalty shall be imposed on overall delay of contract value of particular dredger, subject to 10% of each dredger. Additionally penalty for following deficiencies up to a max of 10% of contract value shall be imposed if there is A. Deficiency in specification B. deficiency in performance – Speed & Pump Capacity. C. deficiency in performance – Draft.	Tender provides for various penalties, stage wise for delay and deficiencies. Request to kindly restrict the penalties up to max 10% of the contract value.	No change, Tender Condition Prevails

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Sr No	Reference Title	Clause No	Page No	Clause	Bidders query	Response by IWAI
35	Section VII Schedule of Requirements - Technical Specification	18 Manning and Operation	86	1. Supplier / Bidder, shall provide / deploy the qualified, Trained manpower with competency certificates, for maintenance of the Dredgers to operate and run 8 Nos. of Dredgers for 2 year period from the date of commissioning.	No prior experience condition for manning, operation and maintenance The tender scope includes two major components: (a) supply of 8 units and (b) their manning including O&M for 2 years While the prior experience condition for supply of 50% of tender requirement has been kept thereis no mention of similar requirement for manning, operation and maintenance. This is a major project involving Rs.80 crore purchase of equipment and it is well known in dredging that the productivity and output depends on trained staff. Also, man and machine safety in riverine environment is of paramount importance. Having untrained staff will compromise both aspects of machine output as well as safety. Penalties for under-performance may be imposed later but at that stage the damage is already done in terms of output lost, an unfortunate mishap or machine untimely breakdown. Hence, we suggest that just like 50% condition for supply has been included to ensure onlyreputed manufacturers supply dredges in the same way 50% condition for manning, operation and maintenance by local partner should be mentioned.	No change, Tender Condition Prevails
36	Section VII Schedule of Requirements - Technical Specification	6 Principal Dimension And Other Technical Parameters	80	Engine capacity mounted 200-300 KW (min)	Engine emission norms not specified. As foreign bidders may not be aware of the pollution control and emission norms applicable to such vessels in India as per the IV Act you are requested to please clarify these. It is suggested that as these units will be with IWAI for at least 15-20 years the engine emission norms should be Bharat Stage 6 or equivalent in the bidder country	The engine should be "as per standars of classification society" (IACS)
37	Section VII Schedule of Requirements - Technical Specification	General Query		General Query	Machine weight not specified As the machine has to be transported across many sites in Ganga river and availability of heavy lift cranes in remote areas is a problem please clarify that the machine should be able to get itself on the trailer and off it without the need for any cranes which should be demonstrated during inspection	It must be capable of self loading/ unloading into trailer and independently entering/ exiting water bodies. The overall weight should be optimized to ensure practical mobility across regions where crane availability is limited.
38	Section III Evaluation and Qualification Criteria	Eligibility Criteria: Clause- (b) (i)	42	The bidder' should have manufactured and supplied/ erected/ commissioned at least 4 Nos. of Dredger (50% of the requirement) of similar type in at least one of the last seven (7) years prior to bid submission deadline.	Is referred to as Nos of dredger (50% of the requirement) of similar type in at least one of the last seven years. Should we fulfill all requirements supplied/erected/commissioned of CSD's or only one?	Refer Clause b(i) of Section III "Eligibility Criteria". May be read as "The bidder should have manufactured and supplied with commissioing of atleast 4 Nos. of Dredger (50% of the requirement) of similar type in at least one of the last seven (7) years prior to bid submission deadline." Note- Refer original tender Section III, Eligibility Criteria (b) for definition of Similar Type.
39	Section III Evaluation and Qualification Criteria	Eligibility Criteria: Clause- (b) Note	42	Copy of work order / letter of award / letter of work agreement alone shall not suffice Bidders claim for executing the Similar Works. Submitting completion certificate from the client on its letter head along with supporting documents as mentioned above is mandatory to qualify.	In the note it is mentioned which documents we must provide for the qualification, do we have to provide all the documents like work order/letter of award/letter of work agreement or is one of the items sufficient.	Refer Clause b- Note of Section III "Eligibility Criteria". May be read as "Copy of Work Order including completion certificate from the client is manditory to qualify"
40	BoQ	Price and Completion Schedule - Related Services	64	e. Training of the Purchaser's personnel, at the Supplier's plant and/or on-site, in assembly, start-up, operation, maintenance and/or repair of the supplied Goods	Do we need to quote manning for the first two years? And do we need to quote training for personnel after the first two years concerning operations and maintenance.	Refer ITB Clause 5.2 and 35, Section VII Clause 19/ GCC Clause 25.2 The supplier should give free training for operation and maintenance of the machinery for minimum 15 days to the crew of IWAI.
41	Section VII Schedule of Requirements - Technical Specification	6 Principal Dimension And Other Technical Parameters	80	Delivery Distance: 1500 m (min) Delivery Pipe: 10” , HDPE pipe 500m length with floaters 2 nos on each pipe length of 3 m approx. Dredger hose with front support or of suitable size for dredging capacity required	Concerning the parameters and in relation to the delivery distance it is mentioned that 500m pipeline is required but that a distance of 1500m should be achieved, this seems contradicting. Therefore, the clarification that we require is what is the required distance?	The Dredger shall be capable of achieving Delivery Distanceof 1500 m (minimum) as specified in the tender. However, the Delivery Pipe to be supplied along with the dredger shall be of 500 m length only.