

Inland Waterways Authority of India		Jal Marg Vikas Project	
RFP No: IN-IWAI – 288445-CW-RFB-2 CPPP Tender ID: 2024_JMVP_ 809815_1		Amendment 4 dated 11/07/2024	
Assignment title: - Fairway Maintenance of Ghazipur Varanasi (133KM) stretch including Removal of Hard Strata in National Waterway – 1			
Sl.	Bid document ref.	Existing Text	To be Read as
1.	IFB clause-08 & Section-II Bid Data Sheet ITB-22.1	Both Technical and Financial Bids shall be uploaded on-line in separate electronic envelopes, The deadline for uploading the bids Date: 19.07.2024 Time: 1500 hrs. IST or as amended from time to time.	Both Technical and Financial Bids shall be uploaded on-line in separate electronic envelopes, The deadline for uploading the bids Date: 25.07.2024 Time: 1500 hrs. IST or as amended from time to time.
2.	IFB clause-08 & Section-II Bid Data Sheet ITB-25.1	The online Bid Opening of Technical Parts of the Bid shall take place on Date: 19.07.2024 Time: 1530 hrs. IST or as amended from time to time	The online Bid Opening of Technical Parts of the Bid shall take place on Date: 25.07.2024 Time: 1530 hrs. IST or as amended from time to time
3.	IFB Clause 10	Topic – Pre-Bid Meeting	The replies to Pre-Bid meeting held on 18.06.2024 are uploaded along with this amendment at Annexure A .
4.	Sec-VII, Clause 5.1	Mobilization Period: On placement of letter of Intent, the dredgers & equipment are to be mobilized at Ghazipur-Varanasi Stretch and commence dredging within 45 days from date of signing of contract.	The Mobilisation Period Shall Commence from date of Notification of Award (NOA) and all the equipment shall be Mobilized within 90 Days.
5.	Sec-VII, Clause 5.3	The Contractor shall mobilize all the dredgers, allied vessels, equipment and manpower at site, within 45 days from the date of Letter of Award.	The Mobilisation Period Shall Commence from date of Notification of Award (NOA) and all the equipment shall be Mobilized within 90 Days.
6.	All other terms & Conditions of the Tender documents remains Un-altered		
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			

Name of the Work: Fairway Maintenance of Ghazipur - Varanasi (133 Km) stretch including Removal of Hard Strata in National Waterway - 1				PRE-bid held on date :18.06.2024	
Contract Package No: IN-IWAI – 288445 -CW-RFB					
Sr. No.	Page no	Section No. Clause, Sub Clause No.	Tender Clause	Pre- Bid Query	IWAI Response
1	3	IFB	Estimated cost - Rs. 102.98 Cr. (approx) excluding GST @ 18%	Removal of Hard strata (tentative quantity of 8,02,586 cum arrived at considering Depth of cut as +2.5 m with width of 45m w.r.t. averageLWL of last 10 years) during first 2 years with disposal of dredged material at river bank/designated locations. Fairway maintenance of Navigation channel with on performance based Assured Least Available Depth (LAD) of 2.2 m and channel width of 45 m during 3rd year. Considering the scope of work, the estimated cost of Rs. 102.98 crore appears significantly low which comes to an estimate of Rs. 800/Rs. 850 per cubic meter for the hard rock and balance for the fairway maintenance dredging of the third year. Request you to kindly increase the estimate of the tender to Rs. 6,000 per cubic meter for 1st and 2nd year of rock dredging totalling to Rs. 481.55 crores and between 38-39 crores for 3rd year Fairway Maintenance. Hence, kindly revise the tender estimate to Rs. 519.55 Crores.	Scope of work includes the removal of hard strata (tentative quantity of 802586 cum arrived at considering Depth of cut as +2.5 m and width of 45m w.r.t. average LWL of last 10 years) during first 2 years and Fairway maintenance of Navigation channel on performance based Assured Least Available Depth (LAD) of 2.2 m and channel width of 45 m during 3rd year. The quantities have been arrived by IWAI duly conducting the soil investigation study and the estimate has been considered on the basis of earlier executed work in the stretch. The basis of increasing the estimated rate shall be submitted by bidders.
2	4	Para 8 of NIT	Bids comprise two Parts, namely the Technical Part and the Financial Part, and both parts must be submitted simultaneously online CPPP Portal online https://eprocure.gov.in/eprocure/app (website) on or before 15.00 hours on 05.07.2024 and the 'Technical Part' of the bids will be publicly opened online on the same day at 15.30 hours	Extension of bid submission deadline for 30 days from the current closing date of bid submission	Sufficient time of 14 days shall be given for submission of bid after the pre-bid responses / amendments are uploaded on CPP portal.
3	4	Clause No : 3.2 of IFB	Similar works such as those pertaining to General Dredging and hard strata removal Experience in Ports / River / Lakes/ Canals/ Water Bodies, including Management of Vessel and Manning of Vessel or Vessel related Marine Works or River Dredging and management of dredging materials or Dredged material used in reclamation of port / harbour during last 7 years ending last day of month previous to the one in which this tender is invited should be either of following:	It is submitted that the clause is restrictive in nature. In this regard it is submitted that as per the tenders invited by IWAI in river Ganga at various stretches including this tender the clause indicated for material to be dredged consists of sand, silt, soft clay or a mixture of these materials, compact and sediment clay. If the dredger meets any strata such as boulders,ropes, sand stone, stone debris, wooden logs etc., such patches will also continue to be tackled with a modified cutter or cutter teeth like serrated etc. The above soil parameters for dredging are considered as general dredging. As per tender conditions equipments like CSDs 2 Nos, Spud pontoon with excavator 2 Nos, Self propelled grab hopper dredgers 2 Nos, Rock breaker and chisel, 4 Nos self-propelled hopper barges are to be positioned for qualification and execution. In view of the above we earnestly request your good self to kindly consider similar works pertaining general dredging may please be considered for qualification duly removing the word hard strata as the contractor will deploy the above equipment for dredging all types of soils and materials. Request to issue suitable amendment and oblige.	As per the Geo investigation report in this stretch presence of hard strata is already established therefore specialised equipments are required. No change. Tender conditions prevails.
4	33	Section II - Bidding Data Sheet, SI. No. 45, "Performance Security".	"The performance security and if required in the BOS, the Environmental and Social (ES) Performance Security of a Joint Venture shall be in the name of the Joint Venture specifying the names of all members."	Since the PBG has to be submitted in 21 days, it is not possible to provide a PBG in the name of the joint venture as time is required to register the Joint Venture and take sanction of non-fund based limits from the bank. Therefore, we request IWAI to allow the Lead Member to submit the PBG on behalf of the Joint Venture.	Tender Conditions Prevails. The performance security and ESHS performance security shall be submitted as per GCC clause 50.1.1, (BG's shall be in the name of the Joint Venture specifying the names of all members.)
5	40	Sec-II ITB 22.1	The deadline for uploading the bids is: Date: (05.07.2024) Time: 1500 hrs. IST or as amended from time to time.	We request you to give 14 days time post uploading of Pre Bid replies for submission of bids.	Sufficient time of 14 days shall be given for submission of bid after the pre-bid responses / amendments are uploaded on CPP portal.
6	52	Section III - 2.4.1 - General Dredging Experience	Experience under contracts for similar works such as those pertaining to: Similar works such as those pertaining to General Dredging and hard strata removal Experience in Ports / River / Lakes/ Canals/ Water Bodies, including Management of Vessel and Manning of Vessel or Vessel related Marine Works or River Dredging and management of dredging materials or Dredged material used in reclamation of port / harbour during last 7 years ending last day of month previous to the one in which this tender is invited should be either of following: In a role of Contractor, JV member, Sub-contractor, or management contractor for at least the last seven (7) years ending last day of month prior to the bid submission deadline (FY 2022-23)	Please clarify General Dredging alone can be considered as similar experience or having hard strata dredging experience mandatory.	Tender Conditions Prevails. Both General dredging and hard strata removal experience shall be considered.

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Sr. No.	Page no	Section No. Clause, Sub Clause No.	Tender Clause	Pre- Bid Query	IWAI Response
7	53	Section III - 2.4.2(a) Specific Dredging Experience	Bidder should have successfully completed as a prime contractor, JV member, management contractor or sub-contractor, minimum Three similar works each costing not less than INR 13.73 Crore or Hard Strata dredged Quantity of 1,60,517Cum OR Two similar works each costing not less than INR 17.16 Crore or Hard Strata dredged Quantity of 2,00,647Cum OR One similar work costing not less than INR 27.46 Crore or Hard Strata dredged Quantity of 3,21,034Cum For the purpose of completed works, The value of the completed contract for similar works should not be less than 80% of the contract value. A certificate for ongoing works from the employer stating the Value6 of the work & 80 % completion has been achieved shall be considered as completed and certificate of employer in this regard stating percentage of completion shall be submitted.	Please clarify if General Dredging experience of INR 27.46 crores will be sufficient to qualify for this tender	One work of INR 27.46 cr for dredging shall be sufficient.
8	57	Section III - 6.1.2 - For Removal of Hard Strata	(i) Spud Pontoon mounted with Excavator having Bucket attachment- Minimum of two (2) nos. of Spud Pontoon mounted with 50 Ton Class Excavator having 1.5 cum bucket capacity of removal of hard strata minimum of 50 cum per hour. (ii) Dredger - Minimum of two (2) nos. of Self Propelled Grab Hopper Dredger having 500 cum per day dredging capacity each. (iii) Rock Breaker and Chisel - Having suitable capacity for demolishing of hard Strata with minimum environment effect & minimal effort . (iv) Barges- Minimum of four (4) nos. of Self-Propelled Hopper Barges having 300-500 cum storage capacity each . (a) The dredgers must be registered as 'Dredger' either under Inland Vessel Act, 2021 or under Merchant Shipping Act, 1958 and must have valid registration certificate from the designated authority under Inland Vessel Act, 2021 or under Merchant Shipping Act, 1958. (b) The Pontoon / Barges must be registered either under inland Vessel Act,2021 or under Merchant Shipping Act, 1958. and must have valid registration certificate from the designated authority under Inland Vessel Act, 2021 or under Merchant Shipping Act, 1958. c) Dredgers/ Pontoon / Barge must have valid Survey certificates from the designated authority under Inland Vessel Act, 2021 or under Merchant Shipping Act, 1958. d)The above valid certificates as on date of submission of bid shall be submitted with the technical bid	The self propelled hopper barges of 300-500 cum capacity have a draft of minimum 2.5- 3 meters when fully loaded. It would be difficult to operate them in such shallow depths. Moreover, the hopper barges have bottom opening doors and at least 1 meter clearance will be required below the keel of the barge.	Tender Conditions Prevails. The quantity of the hard strata and equipment details are already specified in the document and the deployment shall be done as per the equipment details. Any other additional suitable equipment for execution of work within time lines can be deployed by the bidder based on site conditions.
9	96	BOQ	Bill of Quantity	Considering the estimated tender cost and the quantity of 8,02,586 cub.m. of rock which is to be dredged in years 1 and 2 and the 15,25,800 Cub.m quantity of silt to be dredged in year 3, the approximate cost of rock dredging is considered at approx. 700 rupees per cub.m. This is significantly below the market standards for rock dredging at various Indian Ports and Channels, which varies from 3000 to 8000 rupees per cum. We would request IWAI to revise its tender estimates by using the rock dredging rates at various Ports in last 2-3 years. In fact, considering the repeated loss of productivity due to shifting required when rock dredging in river, the cost would be higher. IWAI may also consider breaking up the 133 km. stretch into smaller packages of 10-12 kms. This would ensure a more realistic, feasible and practical execution by any winning bidder.	Scope of work includes the removal of hard strata (tentative quantity of 802586 cum arrived at considering Depth of cut as +2.5 m and width of 45m w.r.t. average LWL of last 10 years) during first 2 years and Fairway maintenance of Navigation channel on performance based Assured Least Available Depth (LAD) of 2.2 m and channel width of 45 m during 3rd year. The quantities have been arrived by IWAI duly conducting the soil investigation study and the estimate has been considered on the basis of earlier executed work in the stretch. The basis of increasing the estimated rate shall be submitted by bidders.
10	96	BoQ - 1.1	Removal of Hard Strata during 1st & 2nd years on Quantity basis (Depth of cut is +2.5m and width of 45m - quantity - 802586 Cu M.	Please clarify that the quantity of 8,02,586 Cu.M is only hards strata or mixture of hard strata & sand/silt	The tentative quantity for removal of hard strata is 802586 Cu M.
11	101	Section VII Clause 2	Maintenance of fairway with depth of 2.20m and channel width of 45m on Performance basis for 1 year including River Conservancy works, Channel marking etc. and disposal of the dredged material at designated location	We request you to change the 3rd year fairway maintenance dredging on Performance basis to Quantity based dredging.	Tender Conditions Prevails. After the removal of hard strata the performance based assured LAD is to be provided.
12	102	Section VII Clause 3	Scope of Work cum Services The scope of work for the subject tender includes:- Removal of Hard strata (tentative quantity of 8,02,586 cum arrived at considering Depth of cut as +2.5 m with width of 45m w.r.t. average LWL of last 10 years) during first 2 years with disposal of dredged material at river bank/designated locations.	We request you to kindly specify the strength of the rock to be dredged in MPA (unit)	The Geotechnical Report may be seen which is shared on CPP portal.

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13	103	Section VII - Clause 3.2	The dredged Hard Strata is to be disposed off at river banks of other locations approved by EiC	As a professional dredging Company and the only successful Capital Dredging company in India, we have to point out here that disposing the rock requires a landing point with adequate draught of over 2metres for the loaded barge to be offloaded. The aforesaid requirement cannot be satisfied if the Disposal is to be done at river banks as per the stipulation of the Tender, as it entails offloading the hard strata at low-lying areas. Even smaller Cargo Barges of 350 cub.m. capacity which are normally used when disposal is to be done in would require a minimum depth of 2m when loaded. Therefore this mechanism for disposal would not be a workable solution as there would be severe draught restrictions during loading and disposal on the river banks along the entire stretch. Normally, Cargo barges would be used for disposal off river banks. The other option would be to dispose off the rock strata to deeper dumping grounds which is bound to be considerably far off from the dredging site, hence the same would again be impractical in technical as well as commercial terms. In view of the above hindrances, we would therefore request IWAI to reconsider its proposed disposal mechanism.	Please refer page 116/267 para12. Disposal of Dredged Materials.
14	106, 107	Section VII - 4 - Material to be dredged	Tentative dredging quantity during performance based dredging in 3rd year is 15.26 Lakh Cum.	Since the quantity estimated for the third year is 15.26 Lakh cum, we presume that the dredging quantity of approx 4 lakh cum for first and second year each is purely hard strata. In such a case, for the purposes of billing, how will the quantity of hard strata be segregated from the sand/silt on the river bed?	The quantity of hard strata of 802586 cum is to be removed which is to be removed in first two years and thereafter the fairway maintenance on performance based shall be done in 3rd year. For the first two years of Quantity based dredging, payment will be based on actual quantities executed and certified by TSSC-III & EIC. For 3rd year of Performance based period, payment will be based on assured LAD of 2.2 m and 45 m channel width and sufficient day channel marks ascertained by 4 weekly joint surveys in a month and as certified by TSSC-III & EIC.
15	107	Section VII - Clause 4.1	The Tender stipulates Dredging of Hard Strata of an estimated quantity of 8,02,586 Cub.m. from a total Shoal length of about 15 km within a time-span of 2 years	The Geotechnical Investigation Report is not attached and there is no mention of the rock-strength, i.e. UACS (mpa) but only "Detrital / Clastic sedimentary Calcareous (along with sand clay etc.) soft to medium hard rock" is mentioned as the hard strata material which is required to be dredged over a stretch of about 15km. Please provide the rock strength along the entire stretch and the distances at which borehole sampling has been carried out.	The Geotechnical Report may be referred to, already Uploaded on CPP portal.
16	107	Section VII - Clause 4.2	The Tender stipulates Dredging of Hard Strata of an estimated quantity of 8,02,586 Cub.m. from a total Shoal length of about 15 km within a time-span of 2 years	Being the topmost Dredging company in India with respect to Rock-Dredging (we are only Indian company to have completed successful rock-dredging of over 4,00,000 Cum. in the last 7 years for major ports/minor ports) we would like to state as per the methodology stated in the contract it is not possible to complete the aforesaid hard rock dredging quantity within 2 years. The maximum output possible to achieve is approx. 100-150 cub.m per day depending on the rock strength with one unit of backhoe and 2xhopper barges. Therefore we request IWAI to either reconsider its methodology or increase the time period	The methodology is to be submitted by the bidder based on the requirement given in the bid document to complete the work within stipulated time. The equipment mentioned in the bid document are minimum to demonstrate for qualification. Any additional suitable required equipment shall be deployed by the bidder.
17	107	Section VII - Clause 4.3	The Tender stipulates the maintenance of LAD of 2.2m depth in 3rd year by Dredging of Soft Soil of an estimated quantity of 15,25,800 Cub.m. from a total of 35 Shoals spread over the 133 km long channel from Ghazipur to Varanasi, within 1 year	Since dredging has not taken place in this stretch before it will be virtually impossible to assess post-dredging siltation patterns to ensure and maintain a particular design depth throughout the entire 133 km stretch for the whole year. Therefore we request IWAI to consider the 3rd year of maintenance dredging on "quantity-based dredging" and not LAD.	Tender condition prevails. The tentative shoal details are given in the bid document. IWAI has undertaken removal of hard strata in this stretch earlier also and dredging by IWAI dredgers also undertaken from time to time..
18	109	Sec-VII Clause 5.1 & Clause 5.3	Mobilization Period: On placement of letter of Intent, the dredgers & equipment are to be mobilized at Ghazipur-Varanasi Stretch and commence dredging within 45 days from date of signing of contract.	Mobilization Period: On placement of letter of Intent, the dredgers & equipment are to be mobilized at Ghazipur Varanasi Stretch and commence dredging within 90 days from date of signing of contract.	The Mobilisation Period shall Commence from date of Notification of Award and all the equipments shall be Mobilized within 90 Days.
19	109	Clause No : 5.1 : Mobilisation and Demobilisation Section-VII - Description of Services (Work's requirement)	Mobilization & De mobilization Charges: No Mobilization & Demobilization charges will be payable to the contractor separately. Such costs should be included in the dredging Charges Penalty for delay in mobilization: Delay in complete mobilization of the equipment as per accepted dredging plan will attract a penalty of @ 0.5% of contract and value per week, subject to maximum of 5% of the contract value.	It is submitted that as per tender conditions equipment like CSDs 2 Nos, Spud pontoon with excavator 2 Nos, Self-propelled grab hopper dredgers 2 Nos, Rock breaker and chisel, 4 Nos self-propelled hopper barges are to be positioned for the work. Considering various equipment to be positioned the time allowed for mobilization of all the equipment to site is short as such the penalty clause may please be removed. However contractor will ensure commencement of work within 45 days from date of agreement. In this regard it is bring it to your kind notice that separate penalty clauses are incorporated in the tender for first two years and 3rd year also. Request to kindly amend the clause duly removing the penalty.	The Mobilisation Period shall Commence from date of Notification of Award and all the equipments shall be Mobilized within 90 Days.

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20	109	Section-VII - 5.3 Equipment Deployment	The Contractor shall mobilize all the dredgers, allied vessels, equipment and manpower at site, within 45 days from the date of award	A specialized dredger need to be designed and manufactured especially for the project, based on the shallow depth and strength of the hard strata. Hence it is requested that mobilization period should be 90 days from the Signing of Contract.	The Mobilisation Period shall Commence from date of Notification of Award and all the equipments shall be Mobilized within 90 Days.
21	194	Clause No : 13.1 b : Insurance	Loss of or damage to Construction Equipment;	It is submitted that no construction equipment is positioned at site for the work, as such request to kindly remove the clause as no relevancy.	If any equipment is deployed which comes under category of construction equipment like excavators, rock breaker, chisel etc, these shall also be insured as per the clause.
22	225	Clause No : GCC 13.1- IV : Insurance. Section IX. Particular / Special Conditions of Contract	Professional liability: Twice the value of contract for the entire period of the contract	It is submitted on enquiry from the reputed insurance companies professional liability policy is not available for the works put to tender. As such request your good selves to kindly examine and remove the clause.	Tender Condition Prevails
23	228	GCC 14.1	Site Data are: The relevant drawings, Geotechnical Investigation Report for Hard strata (Jan, 2020), tentative shoal details with chainages as attached with this document.	We note that the relevant drawings, Geotechnical Investigation Report for Hard Strata (dated Jan 2020). However, we observe that these documents are not enclosed herein. We kindly request that you provide them to facilitate our thorough review.	The Geotechnical Report is shared on CPP portal.
24	264	Performance Security - Bank Guarantee	In the case of a JV, insert the name of the Joint Venture	In case of JV, the performance BG should be allowed in the name of lead member as banks will not issue BG in the name of JV as the BG limits are given on the individual firms financial credentials.	JV is to be formed as per clause no ITB 45.1 & PCC 50.1, after Notification of Award, Tender Conditions Prevails
25	265	Environmental, Social, Health and Safety (ESHS) Performance	In the case of a JV, insert the name of the Joint Venture	In case of JV, the ESHS BG should be allowed in the name of lead member as banks will not issue BG in the name of JV as the BG limits are given on the individual firms financial credentials.	JV is to be formed as per clause no ITB 45.1 & PCC 50.1, after Notification of Award, Tender Conditions Prevails
26	266	Advance Payment Security	In the case of a JV, insert the name of the Joint Venture	In case of JV, the advance Payment Security - Demand Guarantee should be allowed in the name of lead member as banks will not issue BG in the name of JV as the BG limits are given on the individual firms financial credentials.	JV is to be formed as per clause no ITB 45.1 & PCC 50.1, after Notification of Award, Tender Conditions Prevails