



Engagement of Consultancy Services for preparation of Two Stage DPR of proposed 40 Inland Waterways

Queries raised by Prospective Bidders in Pre-bid meeting held on 23.04.2015 and their replies of IWAI thereto:

Ref. No.	Clause & Page No.	As per Tender Document	Consultant's Queries	Response from IWAI
N K BUILDCON PVT. LTD., B-62, Uganta, University Marg, Bapu Nagar, Jaipur, Rajasthan				
1.	9.1.q) Page 16-17	Similar works means providing consultancy services for preparation of detail project reports / techno economic feasibility study with Hydrographic Survey for development of navigation channel including river training works and development of Ports, river terminals, riverine structure, IWT terminals, logistics hub etc.	(a) Since there has been limited work done in similar nature, please also allow consultants working in the field of canal development, river survey & design works in water resources sectors in the country. Since the activities pertinent to hydrographic survey and design shall remain same, except for the traffic assessment component.	As per amendment in Corrigendum-3, Sl. No.1.
NATIONAL TRANSPORTATION PLANNING AND RESEARCH CENTRE, Sasthra Bhavan, Pattom Palace P.O., Thiruvananthapuram-695004				
2.	1.1.1.i Page 57	(a) Single line longitudinal survey (Bathymetric survey or Topographic survey) in the deepest depths or lowest height lands, with the help of DGPS using Automatic Hydrographic Survey System.	For Cluster 5 Only <u>Stage-1</u> a) The deepest route can be assessed only after conducting a proper bathymetric survey. It cannot be just ascertained by running a single line longitudinal survey as no one can tell where the deepest route is. So ideally the deepest route can be identified only after conducting the cross-section surveys. Hence the scope of conducting single line longitudinal survey shall be deleted from the Stage-1	<u>For all the Clusters</u> a) Stage-I is only for feasibility of the waterway for navigation, which may have the potential for year round navigation or at least for a few months in a year. Hence, field reconnaissance survey is to be taken up. Bathymetric surveys in the proposed waterways are to be carried out in the deepest route. Deepest route can be accessed by

Engagement of Consultancy Services for preparation of Two Stage DPR of proposed 40 Inland Waterways

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	<p>1.1.1.ii Page 57</p> <p>1.1.3.3 Page 58</p>	<p>(b) Details (horizontal and vertical clearances above High Flood Level of bridges, aqueducts, electric lines, telephone lines, pipe lines, cables en-route are to be collected and indicated on the chart and also included in the report along with their co-ordinates and location. Details about Barrages and Dams enroute are also to be collected.</p> <p>(c) The consultant shall analyze the market and potential usage of proposed Inland Waterways. This analysis shall examine both the existing market and the potential future market.</p>	<p>work. Instead of that the consultant will assess the navigability of the river based on the past data available and visible assessment based on their expertise.</p> <p>b) Horizontal clearance and vertical clearance for cross structures should be deleted from Stage-1 survey. It can be assessed at Stage-2 when cross sectional bathymetric survey is conducted.</p> <p>c) A detailed Market Analysis is not possible at Stage-1, it can be done at Stage-2. Instead of that a general indication of the potential user can be given based on available secondary data.</p>	<p>taking two or three longitudinal line soundings at equal interval. Topographic survey, if required, is to be taken up at lowest ground levels, which can be decided on visual assessment. Further, navigability of the waterway (for the periods) is to correlate with CWC/Irrigation water level data.</p> <p>b) In Stage-I, horizontal and vertical clearance is to be given as approximate on visual assessment. Photographs are required to be submitted in the report.</p> <p>c) Contractor has to collect the details of available Industries along the waterway, type of production in these industries, ferry services, type of crop along the waterway, previous history of movement of cargo in the waterway etc. Above is to be collected after discussion with local village people while conducting reconnaissance survey</p>

Engagement of Consultancy Services for preparation of Two Stage DPR of proposed 40 Inland Waterways

Ref. No.	Clause & Page No.	As per Tender Document	Consultant's Queries	Response from IWAI
	1.1.3 Page 58	(d) The Consultant has to prepare Feasibility Report for the proposed waterways based on the available data and reconnaissance survey. It must include the following prospects: Introductory considerations Analysis of present state of affairs Market Analysis Reconnaissance Survey	d) Feasibility cannot be assessed based on reconnaissance survey and data collection; rather a pre-feasibility report may be more appropriate.	etc. And also after interaction with State Govt. Officials, Irrigation / Water Resources departments. d) Refer clarification 2a), b) & c) above and TOR of tender document.
	1.1.3 Page 59	(e) The Consultant has to submit the Feasibility Report for proposed Inland Waterways and give presentation of the same to IWAI. After taking approval from IWAI, Consultant may proceed for Stage -2.	<u>Stage-2</u> e) Instead of conducting DPR for entire stretch, it is suggested that the same may be taken up for those stretch of waterway Prima-facie where pre-feasibility is established for possible navigation for a design channel (say 32m bottom width and 1.8m depth with 1:2 side slope) based on Stage-1 study. Otherwise it may not be of much use.	e) Based on the feasibility report, IWAI will accord the approval for Stage-II, and stretch for DPR will be based on feasibility study.
	1.2.1.3 (a) Page 64	(f) Bathymetric and Topographical survey of proposed Inland Waterways is to be conducted for width specified in above table. Minimum 100m wide corridor is to be surveyed to assess the extent of land acquisition required for	f) In 1.2.1.3 (a) it is mentioned that cross section sounding has to be limited to 100m corridor whereas in (b) it is mentioned that cross section sounding lines are to be run from bank to bank. These are contradictory. Please clarify whether the cross section is to be limited	f) (i)Minimum 100m wide corridor is to be surveyed (only for rivers / canals having less than 60m water width). 100m wide corridor includes width of proposed Waterways. Bathymetric and topographic survey is to be carried



Engagement of Consultancy Services for preparation of Two Stage DPR of proposed 40 Inland Waterways

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		100m wide corridor (100m wide corridor includes width of proposed Inland Waterways)	to the width specified or between High bank to High bank. If so the estimated quantity may increase drastically. In case of wider river it is not sure that the deeper channel will sustain in the same place where it exist at the time of survey, so conducting a bathymetric survey in 100m corridor will not give actual assessment of the dredging quantity. Moreover, the deeper channel can be ascertained only after conducting bank to bank bathymetric survey. Hence, the scope and estimate may have to be modified accordingly.	out for 50m width on both side from the centre line of the channel. (ii) Bathymetric and Topographical survey of specified Waterways is to be conducted for average width specified in the table at pages 63-64. (iii) For reservoir / ponding areas, only bathymetric survey of maximum 500m width in the deepest channel is to be carried out. (iv) Average width for remaining stretches of the Waterways is the average of narrow and wider portions of the river.
	1.2.1.4.e. Page 65	(g) Current velocity and discharge can also be measured with the help of ADCP during survey, at every 10km interval	g) Is it mandatory to measure the discharge using ADCP? Or else discharge can be calculated from the formula viz. area of cross section (from the cross section sounding) x velocity measured using a current meter.	g) Discharge can be measured either by ADCP or standard formulas.
	1.2.1.6.d. Page 66	(h) Dredging quantity is to be estimated for developing a navigational channel of dimension of	h) Whether dredging quantity calculation is acceptable as per quantity given by the survey software (i.e. Hypackmax or equivalent). Please clarify.	h) Standard Hypack formula is to be adopted for dredging calculations.

Engagement of Consultancy Services for preparation of Two Stage DPR of proposed 40 Inland Waterways

Ref. No.	Clause & Page No.	As per Tender Document	Consultant's Queries	Response from IWAI
	1.2.2 Page 67	(i) This is a detailed study to make a forecast of the traffic prospects to facilitate the projection of the most promising route for waterway transport and to assess the quantum of traffic of vessels/cargo on that route.	i) Modality of conducting traffic survey is not specified in the TOR. Kindly clarify whether it is based on O-D surveys at selected locations on the nearby NH/SH and/or based on industrial surveys and traffic projections for a horizon period (say 5, 10, 15 and 20 years) has to be forecasted based on standard methods. Whether divertible traffic to IWT is to be assessed.	i) Modality of conducting traffic survey shall be based on industrial surveys and a traffic projection for a horizon period (say 5, 10, 15 and 20 years) has to be forecasted based on standard methods. Divertible traffic to IWT is also to be assessed
	1.2.3.h. Page 68	j) Prepare cost estimate for various possible alternatives for the entire proposed infrastructure, handling, and other allied facilities.....	j) Mere calculation of dredging quantity for a design channel will not ensure water availability in the channel. It has to be assessed based on discharge availability vs discharge requirement and stage-discharge analysis. Hence, the same needs to be incorporated in the TOR. If required water is not available for navigation in the existing scenario, whether alternative possible methods for water augmentation (like barrage etc.) is to be suggested, please clarify.	j) The Consultant is to propose the River conservancy including river training, bank protection, dredging etc. needed for shipping and navigation. Alternate possible methods for water augmentation are also to be suggested in detail.
	1.2.3.g. Page 67	k) Also suggest phased programs of construction including riverine terminals and ports which shall be fully integrated with the existing and planned irrigation and hydropower facilities so that navigation shall have priority.	k) In 1.2.3 (g) it is mentioned that priority should be given to navigation over irrigation and hydropower and accordingly suggest phased construction programme. It is against the existing "National Water Policy" where irrigation and hydropower are placed above	k) May be read as "Prepare a realistic construction schedule for the whole project indicating the priority of different components of the project. The phasing of expenditure is also to be worked. Also suggest phased programs of

Engagement of Consultancy Services for preparation of Two Stage DPR of proposed 40 Inland Waterways

Ref. No.	Clause & Page No.	As per Tender Document	Consultant's Queries	Response from IWAI
	1.2.3.h. Page 68	l) Prepare cost estimate for various possible alternatives for the entire proposed infrastructure, handling, and other allied facilities.....	navigation. Hence, the same may be deleted. l) Nothing has been mentioned about the financial feasibility of the project (like assessment of FIRR, EIRR and NPV etc.) and SWOT analysis. Without that the DPR cannot be completed. Kindly clarify.	construction including riverine terminals and ports which shall be fully integrated with the existing and planned irrigation and hydropower facilities". l) FIRR, EIRR, NPV and SWOT analysis are also to be carried out by the Consultant.
	1.2.3.i. Page 68	m) Assess the environmental impacts due to these development works and suggest suitable environmental management plan (EMP) to mitigate the adverse impacts, if any, including its cost.	m) Environmental Impact Assessment can be carried out by following standard procedure for Rapid EIA or Comprehensive EIA which require 6 months / 12 months sampling. If such an exercise is envisaged, then the period of study should be increased accordingly. Only after a proper EIA assessment EMP can be suggested to mitigate negative impacts.	m)Time schedule modified as per Corrigendum-3, Sl. No. 8.
	3.0, 7. & 8. Page 70	n) Should be Graduate in Civil Engineering.	n) Traffic Surveyor & Transport Economist cannot be Civil Engineers. They should be from the relevant field. Accordingly the qualification criteria need to be changed.	n) Modified as per Corrigendum-3, Sl. No. 6 and 7.



Engagement of Consultancy Services for preparation of Two Stage DPR of proposed 40 Inland Waterways

Ref. No.	Clause & Page No.	As per Tender Document	Consultant's Queries	Response from IWAI
	34.1.4 Page 50	o) 10% of Stage-II Contract value	o) Since cost of work is more than Rs. 1 cr., 30% mobilization advance may be considered against submission of BG.	o) Mobilization advance clause modified as per Corrigendum-3, Sl. No. 9.
	1.2.1.6.k. Page 67	p) The chart shall also be suitably updated with prominent land features from the Topo-sheets/site.	p) Survey of India (SoI) Topographic sheet and satellite imageries for the entire stretch has to be supplied by IWAI. Field survey can be commenced only after receiving the same. Any delay in supplying these documents will be attributable to IWAI.	p) Available Survey of India (SOI) Topographic sheet will be shared with successful Consultant on receipt of Undertaking. Satellite imageries are not available with IWAI for the designated area. Route map and survey plan will be provided by IWAI to the successful Consultant.
	1.1.2, Page 58 and 1.2.1.i.(second paragraph) Page 59	q) Chart datum/ sounding datum already established by Port Authorities, Central Water Commission/ State Irrigation Department and at their gauge stations along the river/canal.	q) Water level and discharge data of CWC or State Govt. is a classified document, particularly lean season data. Please clarify whether IWAI will collect and provide this data. Sounding datum for river (non- tidal) can be fixed only after getting the lowest water level data of at least 6 years.	q) (i) Secrecy undertaking forms etc. will be provided by IWAI for collection of CWC data. (ii) Introductory letter will be issued to the successful Consultant for collection of other required information from State Departments.
	2.1 (a) Page 68	r) TIME SCHEDULE	r) The work involves in 11 rivers covering 791 km spread over in the entire state of Kerala. If the work has to be completed within 24 weeks, then the consultant should have at least 11 field teams, to take up work simultaneously, which is next to impossible and such a manpower/	r) Consultant may associate with sub Consultant(s) to enhance their expertise. The applicant shall submit a Memorandum of Understanding (MOU) with the Sub Consultant regarding the role and responsibilities of the



Engagement of Consultancy Services for preparation of Two Stage DPR of proposed 40 Inland Waterways

Ref. No.	Clause & Page No.	As per Tender Document	Consultant's Queries	Response from IWAI
	NIT clause 5 Page 5	s) Last date of submission of tender : 11.05.2015 up to 1500 hours	equipment/ resources is not available with any firm. Considering the quantum of work involved and for getting a quality report it is suggested to consider 6 months' time for Stage-1 and 12 months' time thereafter for Stage-2 work. s) Extension of time for submission of bid- as more time is required for field visit at least 15 days extension may be considered.	Associate Company along with the proposal. Time schedule modified as per Corrigendum-3, Sl. No. 8. s) Refer Corrigendum-2.
IIC TECHNOLOGIES, 8-2-350/5/B-22, Rd. No.3, Banjara Hills Hyderabad 500034				
3.	1.1.1.i Page 57 1.1.1.ii Page 57		(a)The deepest route can be identified only after conducting the cross-section surveys. Hence the scope of conducting single line longitudinal survey shall be deleted from the Stage-1 work. (b) Horizontal clearance and vertical clearance for cross structures should be deleted from Stage-1 survey as it is already included in Stage-2and the same can be taken during cross sectional bathymetric survey.	(a) Refer clarification 2.a) above. (b) Refer clarification 2.b) above.
4.	1.1.3.3 Page 58		A detailed Market Analysis is not possible at Stage-1, it can be done at Stage-2. Instead of that a general indication of the potential user can be given based on available secondary data.	Refer clarification 2.c) above.
5.	1.2.1.3 (a) Page 64		(a) It is mentioned that cross section sounding has to be limited to 100 m corridor	(a) Refer clarification 2.f) above.

Engagement of Consultancy Services for preparation of Two Stage DPR of proposed 40 Inland Waterways

Ref. No.	Clause & Page No.	As per Tender Document	Consultant's Queries	Response from IWAI
			whereas in (b) It is mentioned that cross section sounding lines are to be run from bank to bank. These are contradictory. Please clarify whether the cross section is to be limited to the width specified or between High bank to High bank.	
6.	1.2.1.4.e. Page 65		Is it mandatory to measure the discharge using ADCP. Or else discharge can be calculated from the formula viz. area of cross section (from the cross section sounding) x velocity measured using a current meter.	Refer clarification (2.g) above.
7.	1.2.1.6.d. Page 66		Whether dredging quantity calculation is acceptable as per quantity given by the survey software (i.e. Hypackmax or equivalent). Pl clarify	Refer clarification (2.h) above.
8.	1.2.2 Page 67		Modality of conducting traffic survey is not specified in the ToR. Kindly clarify.	Refer clarification (2.i) above.
9.	1.2.3.h. Page 68		Mere calculation of dredging quantity for a design channel will not ensure water availability in the channel. IWAI to specify alternative methods.	Refer clarification (2.j) above.
10.	1.2.3.g. Page 67		In 1.2.3 (g), it is mentioned that priority should be given to navigation over irrigation and hydropower and accordingly suggest phased construction programme. It is against the existing "National Water Policy". Pl clarify	Refer clarification (2.k) above.
11.	1.2.3.h. Page 68		Nothing has been mentioned about the methodology to be adopted for financial analysis. Needs clarification.	Refer clarification (2.l) above.



Engagement of Consultancy Services for preparation of Two Stage DPR of proposed 40 Inland Waterways

Ref. No.	Clause & Page No.	As per Tender Document	Consultant's Queries	Response from IWAI
12.	3.0, 7. & 8. Page 70		Traffic Surveyor & Transport Economist cannot be Civil Engineers. They should be from the relevant field. Accordingly the qualification criteria need to be changed.	Refer clarification (2.n) above.
13.	34.1.4. Page 50		Since cost of work is more than Rs 1 cr., 30 % mobilization advance may be considered against submission of BG.	Refer clarification (2.o) above.
14.	1.2.1.6.k. Page 67		SOI Topo sheets and satellite imageries for the entire stretch have to be supplied by IWAI. Field survey can be commenced only after receiving the same. Any delay in supplying these documents will be attributable to IWAI.	Refer clarification (2.p) above.
15.	1.1.2, Page 58 and 1.2.1.i.(second paragraph) Page 59		Water level and discharge data of CWC or State Govt. is a classified document, particularly lean season data. Please clarify, whether IWAI will collect and provide this data.	Refer clarification 2.q) above.
16.	2.1 (a) Page 68		The work involves in 7 rivers covering 750 km spread over in the entire state of Karnataka, A.P and T.N. If the work has to be completed within 24 weeks, then the consultant should have at least 7 field teams, to take up work simultaneously, which is next to impossible and such a manpower/equipment/ resources is not available with any firm. Considering the quantum of work involved and for getting a quality report it is suggested to consider 6 months' time for Stage-1 and 12 months' time thereafter for	Refer clarification (2.r) above.



Engagement of Consultancy Services for preparation of Two Stage DPR of proposed 40 Inland Waterways

Ref. No.	Clause & Page No.	As per Tender Document	Consultant's Queries	Response from IWAI
			Stage-2 work.	
17.	NIT clause 5 Page 5		Extension of time for submission of bid- as more time is required for field visit at least 15 days extension may be considered.	Refer clarification (2.s) above.
18	1.2.3.i. Page 68		Without data sampling EIA/ EMP is not possible. Kindly clarify.	Refer clarification (2.m) above.
MUKESH & ASSOCIATES, Parumal Malal Main Road, Narasothipatty, Salom - 636004				
19.	Clause 5 NIT Page 5	Last date of submission of tender : 11.05.2015 up to 1500 hours	The last date of submission of proposal (online) is 11.05.2015 upto 1500 hrs. We kindly request you to extend the last date of submission by at least 2 weeks i.e. till 25.05.2015. Please confirm.	Refer clarification (2.s) above.
20.	Clause 7 NIT Page 5 Bidders submitting the downloaded version of tender document are required to submit Rs. 5,000/- (Rupees Five thousand only) (for one or all Clusters),.....	We understand that even if the consultant wishes to apply for more than one cluster, it is sufficient to submit only one Demand Draft for Rs. 5000/- towards tender document fee. Please confirm.	Yes, only Rs 5000/- is to be submitted as tender cost for one or more cluster.
21.	3 & 4 Page No. 10	If the bidder wishes to quote for more than one CLUSTERS, then the bidder should furnish the Bank Solvency for maximum amount among those CLUSTERS. If the bidder wishes to quote for more than one CLUSTER, then the bidder should furnish the EMD for maximum amount among those CLUSTERS.	We understand that even if the consultant wishes to apply for more than one cluster, then is sufficient to submit only one bank solvency and EMD for maximum amount indicated among the Clusters. Please confirm	Yes, if the consultant wishes to apply for more than one cluster, then it is sufficient to submit only one bank solvency and EMD for maximum amount indicated among the Clusters.
22.	4 Page No. 10	The EMD shall be drawn in the form of Crossed Demand Draft (DD) from any Nationalized/ Schedule bank	We kindly request you to accept the EMD in the form of Bank Guarantee. Please confirm.	As per tender document.

Engagement of Consultancy Services for preparation of Two Stage DPR of proposed 40 Inland Waterways

Ref. No.	Clause & Page No.	As per Tender Document	Consultant's Queries	Response from IWAI
		(Schedule I & II as per RBI guidelines) in favour of "INLAND WATERWAYS AUTHORITY OF INDIA FUND" payable at NOIDA / NEW DELHI. No other form of payment, e.g. Fixed Deposit, BG etc., shall be accepted for EMD.		
23.	3.1 Page 29	The Consultant shall be required to deposit an amount equal to 5% of the tendered value of the work as performance guarantee in the form of either demand draft payable at any nationalized/schedule bank OR an irrevocable bank guarantee bond of any scheduled bank or State Bank of India in accordance with the form prescribed within 15 days of the issue of the work order.	From Clause 3.1 - Performance Guarantee, we understand that an amount equal to 5% of the tendered value of the work as performance guarantee in the form of either demand draft payable at any nationalized/scheduled bank OR an irrevocable bank guarantee bond of any scheduled bank or State Bank of India in accordance with the form prescribed within 15 days of the issue of work order has to be deposited.	Yes, as per tender document.
AARVEE ASSOCIATES ARCHITECTS ENGINEERS & CONSULTANTS PVT. LTD.				
24.	9.1.q) Page 16-17	Similar works means providing consultancy services for preparation of detail project reports / techno economic feasibility study with Hydrographic Survey for development of navigation channel including river training works and development of Ports, river terminals, riverine structure, IWT terminals, logistics hub etc.)	We are experienced in River Front Development projects for development of parks, tourist spots, promenades, river steps, parking lots, river drives, landscaping etc. Our services includes preparation of detailed projects reports/ feasibility study with hydrographic survey, river morphological analysis, river training & bank protection works, architecture & landscape model, transaction advisory services. Please clarify if our projects with above services can be claimed under similar works for this	As per amendment in Corrigendum-3, Sl.No.1.



Engagement of Consultancy Services for preparation of Two Stage DPR of proposed 40 Inland Waterways

Ref. No.	Clause & Page No.	As per Tender Document	Consultant's Queries	Response from IWAI
			assignment.	
25.	4 Page No. 10	The EMD shall be drawn in the form of Crossed Demand Draft (DD)..... No other form of payment, e.g. Fixed Deposit, BG etc., shall be accepted for EMD.	Since the EMD amount is high to bid for multiple clusters, we request you to consider the EMD in a form of Bank Guarantee also.	As per tender document
26.	2.1 (a) Page No. 68	Period of Services: The total period of this assignment would be 5 months from the date of signing of the contract by IWAI	Size of each cluster is different, based on the number of rivers / canals. The proposed duration of 5 months may be sufficient for a project size of cluster 4; however the duration of assignment for other clusters may please be increased accordingly.	Time schedule modified as per Corrigendum-3, Sl. No. 8.
27.	3.0.1 Page no.69	Professional Qualification: • Minimum 15 years' experience in planning, design, construction, preparing Feasibility Report/Detailed Project Report for various waterway/port works, terminals, trade facilitations and other infrastructures in different natural and operational conditions with at least 5 years in a reputed firm of consultants.	Considering the similar works definition, whether the expert having experience in river front development & river training works will be evaluated as Waterway Expert? Please confirm.	Professional qualification of Waterway Expert is modified as "Minimum 15 years' experience in planning, design, construction, preparing Feasibility Report/Detailed Project Report for various waterway/port/river front development/river training works, terminals, trade facilitations and other infrastructures in different natural and operational conditions with at least 5 years in a reputed firm of consultants."
28.	3.0.6 Page no.70	Soil Engineer / Foundation Engineer: Should be Graduate in Civil / Environmental Engineering. Higher qualification in Marine Structure will be preferred.	Considering the role of Soil Engineer, this clause may please be modified as "Should be Graduate in Civil Engineering. Higher qualification in Marine Structure / Geotechnical Engineering will be preferred.	As per amendment in Corrigendum-3, Sl.No.5.
29.	1.	The bidders are advised to inspect and	We would like to visit the project locations to	Consultant may conduct its own

Engagement of Consultancy Services for preparation of Two Stage DPR of proposed 40 Inland Waterways

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	Page no. 9	examine the site and its surroundings and satisfy themselves before submitting their tenders	study the site & its surroundings. Please let us know if any specific dates are fixed for the site visits and provide the details of contact persons for respective clusters.	investigations about the assignment and the local conditions before submitting the proposal by paying a visit to the project sites.
30.	3.0 Page no. 69-70	Curriculum Vitae of Key Professionals	Since one cluster only will be awarded to one bidder, please clarify if the same CVs can be proposed for multiple clusters.	Yes, the same CV's can be proposed for multiple Clusters.
31.	3.0 Page no. 69-70		Please mention a brief note on roles & responsibilities of key professionals to understand the client's expectation on staff involvement.	Role and responsibilities of the Key Professional shall be as per the requirement of the project and Terms of Reference of the tender document and the same has to be access by prospective bidder.
32.	1.2.1.3 Page 60,61,62,63	Description of Inland Waterway (Table)	Please provide the site maps / photos / relevant details to understand the project locations.	Refer clarification (2.p) and 2.q) above.
DHI (INDIA) WATER & ENVIRONMENT PVT. LTD., NSIC Bhawan, IIIrd Floor, NSIC - STP Complex Okhla Industrial Estate, New Delhi - 110 020				
33.	NIT clause 8 Page 5	Bidder may quote one or more than one Clusters. However, although the Bidders are eligible to participate in competitive bidding in accordance with this tender document for any or all the six clusters, only one Cluster shall be awarded to one Bidder.	It is mentioned that Only one Cluster shall be awarded to one Bidder. It is requested that apart from this, the consultant may be allowed to associate with other Consultants on sub-consultancy basis for specialized tasks such as Hydro-dynamic modeling of the waterway / river, etc. This would be very much useful for IWAI in the interest of the project.	No. One Consultant shall only be assigned for one Cluster.
34.	9.1.q) Page 16-17	Similar work orders and performance certificates / job completion certificates	Weightage and Multiplication factor for the works completed has been provided in the RFP. It is not clear that whether ongoing projects/ ongoing projects with substantial	(i) Completion certificate for the amount will only be considered as per evaluation criteria.

Engagement of Consultancy Services for preparation of Two Stage DPR of proposed 40 Inland Waterways

Ref. No.	Clause & Page No.	As per Tender Document	Consultant's Queries	Response from IWAI
			<p>completion (like Draft final /Final Report submitted) etc., may also be considered for evaluation suitably.</p> <p>Projects completed in outside India shall have a different currency values. Please provide as the basic rate for conversion for similar project experience.</p>	(ii) Currency exchange rate on the date of award of work will be considered.
35.	9.1.q) Page 16-17	Similar project Experience for the past 07 years.	This may be increased to 10 years with the same weightage from 07 year.	As per Tender Document.
36.	26.4.1 Page 21	Sub-criteria	It is not clear how the marks will be awarded and the same may be clarified.	Please refer Evaluation criteria at page 21-23 of tender document
37.	34.1.4 Page 50	<p>Mobilization charge (10% of Stage-II Contract value) on award of work for Stage-II, against submission of non revocable bank guarantee valid till 8th stage payment.</p> <p>Mobilization advance will be interest bearing on current market rates (at the time of award of Stage-II work) as per Govt. guidelines.</p> <p>If the mobilization advance is not taken, this will be paid along with 6th stage payment.</p>	It is observed that the work is more than 1 Crore. Hence, 20 to 30 % mobilization advance shall be considered against submission of BG. The same may be adjusted equally in the subsequent payments.	Refer clarification (2.o) above.
38.	2.1 (a) Page No. 68	Period of Services: The total period of this assignment would be 5 months from the date of signing of the contract by IWAI	It is observed that the total period of 5 or 6 months (24 weeks) for project completion is not possible. Considering the quantum of work, engineering aspects for inland	Refer clarification (2.r) above.

Engagement of Consultancy Services for preparation of Two Stage DPR of proposed 40 Inland Waterways

Ref. No.	Clause & Page No.	As per Tender Document	Consultant's Queries	Response from IWAI
			navigation and in the interest of the project, the following time period is suggested: 1) Stage 1 – Feasibility Report: 6 months 2) Stage 2 – DPR: 12 months It is requested that the same may be considered.	
39.	1.2.1.3 (a): Page 64 1.2.1.3 (b): Page 64	Bathymetric and Topographical survey of proposed Inland Waterways is to be conducted for width specified in above table. Minimum 100m wide corridor is to be surveyed to assess the extent of land acquisition required for 100m wide corridor (100m wide corridor includes width of proposed Inland Waterways). Cross-section sounding lines / leveling are to be run from bank to bank at spacing specified in above table, to identify the navigable channel.	(i) Point 1.2.1.3 (a): It is given that cross section sounding has to be limited to 100 m corridor whereas in (b) it is written as cross section sounding lines are to be run from bank to bank. It is observed that both are contradictory. It is requested that whether the cross section is to be limited to the width specified or between bank to bank. (ii) The entire survey scope including Thalweg and topographic surveys are not clear and the same needs to be rephrased with a holistic understanding and requirement of the study area. This may be clarified.	(i) Refer clarification (2.f) above. (ii) Refer clarification 2a) above for thalweg survey. Detailed survey as per Terms of Reference of tender document and clarification 2f) above.
40.	1.2.1.4 (e) Page 65	Current velocity and discharge can also be measured with the help of ADCP during survey, at every 10km interval.	Measuring velocity and discharge with ADCP is practically not feasible. Hence, the same may be deleted from the TOR.	Refer clarification (2.g) above.
41.	1.2.2 Page 67	Traffic Survey	It is requested to please provide the guidelines for traffic and market survey.	Refer clarification (2.c) and 2.i) above.
42.	Clause 5 NIT Page 5	Bid submission Date of 11.05.2015	In the interest of the project and considering the quantum of work in preparing the quality technical proposal and to make field visit to understand each clusters, it is requested that at least 4 weeks' time is required from the	Refer Corrigendum 2.



Engagement of Consultancy Services for preparation of Two Stage DPR of proposed 40 Inland Waterways

Ref. No.	Clause & Page No.	As per Tender Document	Consultant's Queries	Response from IWAI
			date of issue of pre-bid minutes/reply. Hence, the same may be considered suitably and extension of time may be provided.	
WAPCOS LTD., 76-C, Institutional Area, Sector-18, Gurgaon-122 0015 (Haryana)				
43.	Clause 34 Page 49	Payments Stages- Payment on Account	A mobilization advance of at least 10% should be kept for both the Stages i.e. (Stage I and Stage II) since the studies involve Preliminary survey in Stage-I and Detailed survey in Stage-II which requires mobilization.	Refer clarification (2.o) above.
44.	Sec. 6 TOR Objective of the Study Para 1, page 57 & 1.2.3 (d) Page 67	“Govt of India a DPR needs to be prepared for those waterways which would include detailed hydrographic surveys and investigation, traffic survey, proposed location for terminals and cost assessment etc.”.	Please specify whether Geo-tech Investigations are required to be carried out by Consultants or the data for the same be made available by IWAI? If the data was not available with IWAI, the quantum (Numbers) of boreholes to be carried out may be indicated.	Geo-tech investigation will be carried out by the consultant as per standard guidelines of Geological Survey of India, Government of India.
45.	Para 2.1, Page 68	Time Schedule (Stage-I) Submission of Inception Report 4 Weeks Submission of Draft Feasibility Report 8 weeks Comments from IWAI 9 weeks Presentation and Submission of Final	Stage-I involves a lot of reconnaissance survey and collection of Data from various agencies viz. CWC and various state agencies that takes a lot of time. So we suggest the following: Submission of Inception Report 8 Weeks Submission of Draft Feasibility Report 10 weeks Comments from IWAI 11	Time schedule modified as per Corrigendum-3, Sl. No. 8.



Engagement of Consultancy Services for preparation of Two Stage DPR of proposed 40 Inland Waterways

Ref. No.	Clause & Page No.	As per Tender Document	Consultant's Queries	Response from IWAI
		Feasibility report 10 weeks	weeks Presentation and Submission of Final Feasibility report 12 weeks	
46.	Clause 23 Page 42	Professional Liability	Being a consultancy work, it depends on the past available data. The present clause mainly deals with the construction work. Therefore, this clause may be deleted.	No change in tender condition.
47.	Part II, 11.0 Price Bid, Page No. 81-94	BOQ Formats for all the six clusters	Detailed breakup of cost for Stage-I and II is not required. A Lump sum amount for Stage-I and Stage II is sufficient since Stage II commence only after Stage-I.	As per Tender Document.
AECOM ASIA COMPANY LTD., 9/F, Infinity Tower C, DLF Cyber City, Phase-II, Gurgaon- 122 002				
48.	Clause 2.1 Page no. 68	TOR- Period of Services- Period given is 10 weeks for Stage-I and 24 weeks for Stage-II	We feel that time indicated is not feasible considering amount of data collection and filed investigation required. Request that period of Completion may be extended to 18 weeks for Stage-I and 24 weeks for stage-II deliverables.	Time schedule modified as per Corrigendum-3, Sl. No. 8.
49.	Clause 5 NIT Page no. 5	Technical Bid, terms & conditions Last Date of Submission of tender: 11.05.2015 upto 1500 hours.	We request that proposal submission date of extended to at least two weeks.	As per clarification at (2.s) above
50.	Clause 20 Labour, Sub-clause 20.8 Page 39	The consultant ... binding on the Consultant.	The last line of the clause i.e. "In this regard, the decision of the Engineer-in-Charge shall be conclusive and binding on the Consultant", it is requested to delete last line from the clause.	No change in tender condition.
51.	Clause 24 Page 44	Suspension of Works- The consultant opinion of the	We request under this clause Consultant should also have right to terminate the work	No change in tender condition.

Engagement of Consultancy Services for preparation of Two Stage DPR of proposed 40 Inland Waterways

Ref. No.	Clause & Page No.	As per Tender Document	Consultant's Queries	Response from IWAI
		Engineer-in-Charge	if suspension goes beyond 60 days.	
52.	Clause 27 Page 44	Termination of Contract in Full or in Part – Under this clause client have full right to terminate the contract under such circumstances: (i) Commits (vi)conclusive evidence.	We request under this clause Consultant should also have right to terminate the contract if payment or not release timely.	No change in tender condition.
53.	Clause 41 Page 52	Settlement of Disputes & Arbitration – Except where Sole arbitrator appointed by the Chairman, IWAI.	We request you that the appointment of arbitrator should be neutral.	No change in tender condition.
54.	Article 2 Page no. 96	Commitment of the Bidder (s)/ Consultant (s)- It is required that Throughout the negotiation or award of a contract.	It is requested to delete the highest word from the Clause.	Integrity agreement is as per CVC guidelines and hence, no change.
UNI HORN INDIA PVT. LTD., IRIS Tech Part, A-Block, Unit No. 404, 4th Floor, Sector-48 Sohna Road, Gurgaon-122 018				
55.	Clause 1.1.2 Page 58	Regarding Collection and Review of available data	Experience shows that collection of data from different authorities is a tough task as they are not kept systematically and repetitive visit yields no significant result. Whether IWAI will ensure the accessibility of data in time of assignment because task is time bound.	Refer clarification 2.q) above.
56.	Clause 1.2.1 Page 59	Hydrographic survey & Hydro-morphological survey etc.	The project required survey namely topographical, hydrographical and traffic & recommendation etc. The riverine stretch in the monsoon in various stretches is not accessible. The project is to be started by last week of September when both monsoon / lean season be experienced and all	Refer clarification (2.s) above.

Engagement of Consultancy Services for preparation of Two Stage DPR of proposed 40 Inland Waterways

Ref. No.	Clause & Page No.	As per Tender Document	Consultant's Queries	Response from IWAI
			investigation be carried out. The submission of tender may be considered for extension by one month.	
57.	Clause 5.2 Page 14		The submission of the tender may be considered for extension of one month (i.e. mid-June). For three reasons: 1) the scope of the works is very extensive (large scale), which requires a lot of work to prepare the technical proposal; 2) we probably need a sub-contracted for all the Hydrographic Surveys etc.; this requires quite some time to search and select a sub-contractor technical proposal; 3) one of our Consortium members is a reputed foreign company; this requires extra time to prepares all the documents mentioned in Cover 1 to Cover 7 (pages 15-18) as some of the documents take translation and authorizing Seals and Signatures from the Embassy and Auditors. This cannot be organized within the tight time frame given.	Refer clarification (2.s) above.
58.	Clause 1.2.1.1 Page 59	Bench Mark Pillars	Carriage of Bench Mark to site @10 km from GTS point require non-monsoon period, it should be after October.	Refer clarification (2.m) above.
59.	Clause 2.1 Page 68	Time schedule stages 1 and 2	Time Schedule of Stage 2 extended. We feel there is an imbalance between Stage-I (10 weeks) and Stage 2 (14 weeks). Installing gauges, platforms and collecting measurements within 14 weeks is hardly feasible. Also, we doubt the usefulness of	Refer clarification (2.m) above.

Engagement of Consultancy Services for preparation of Two Stage DPR of proposed 40 Inland Waterways

Ref. No.	Clause & Page No.	As per Tender Document	Consultant's Queries	Response from IWAI
			these data if collected over such a short period of time, during monsoon time (when current velocities are hard to read).	
60.	Clause 3 Page 69	Under Remote Sensing/ GIS Work: Working on Spatial Data	Spatial data namely satellite imageries be procured for study and preparation of morphological or other physical studies. Who will procure the sets?	Refer clarification (2.p) above.
61.	Clause 3 Page 69	Minimum Qualification of Key Professionals	<p>CV for:</p> <ol style="list-style-type: none"> 1. Traffic Surveyor 2. Transport Economist 3. RS & GIS Expert <p>Minimum qualification in Civil engineering needs to be relaxed.</p> <p>- For Traffic Surveyor experience in other transport sector should be considered with the basic qualification as suggested.</p> <p>- For Transport Economist the basic educational qualification should be account oriented i.e. Economist or Chartered accounted etc. and experience in Transport Sector.</p> <p>- RS & GIS expert should have minimum educational qualification related to remote sensing data analysis and GIS expertise.</p>	Refer Corrigendum-3 Sl. 4, 6, 7.
62.	Clause 1.2.3. (i) Page no. 68	“Assess the environmental impact due to these developments works and suggest suitable environmental management plan (EMP) to mitigate the adverse impacts...”	(a) Firstly EIA & EMP are emphasized for adverse impacts. So environmental work is also suggested to be included as key expert.	(a) As mentioned in ToR clause 3.0 (4), Flood Plain specialist will be responsible to assess the Environmental Impact and preparation of EMP. No extra key



Engagement of Consultancy Services for preparation of Two Stage DPR of proposed 40 Inland Waterways

Ref. No.	Clause & Page No.	As per Tender Document	Consultant's Queries	Response from IWAI
			(b) Secondly for assessing impact some pollution load need to be analyzed. For that is primary data monitoring require or secondary database will be sufficient? If, there is any requirement for Environmental Clearance procedure then who will do clearance?	expert is required to perform these activities. (b) Consultant has to identify the Authorities who will give the clearances for EIA/EMP. Consultant will not be required to take clearances from these identified Authorities.
63.	Clause 1.1.1 Page 58	River Cross Section Survey	"River Cross Section survey" needs to be carried. It has to be carried out in Stage-II only.	Yes, detail survey is to be carried out in Stage-II.
64.	Information to Bidder Clause 4.0 Page 10		In a Consortium, will EMD submitted by one of the members of the consortium other than the lead partner be accepted? Please Confirm	Any member of the consortium can submit the EMD on behalf of the Consortium.
65.	Appendix I (B) Page 106	Regarding Financial Capacity	On which year last three years Turnover should be referred i.e. 2011-12, 2012-13, 2013-14 or 2010 onwards as written in RFP.	Last three years Turnover means / read as 2011-12, 2012-13, 2013-14.
TRACTEBEL Engineering Pvt. Ltd. 2nd Floor, Building No. 10C, DLF Cyber City, Gurgaon – 122 002				
66.	Clause 5.0 Page 11 & Clause 9.1 (q) Page 16	Bidder(s) shall be individual firm or Joint Venture (JV) or Indian lead firm supported by another firm (s). The bidder has to submit documentary proof of "intent of forming JV/consortium" on Rs.100/- notarized stamp paper at the time of submission of bid. However, successful bidder is required to submit proof of registration	We understand that an Indian Subsidiary of an International firm can bid using the references of its parent / sister company.	Yes, Indian Subsidiary of an International firm can bid using the references of its parent / sister company



Engagement of Consultancy Services for preparation of Two Stage DPR of proposed 40 Inland Waterways

Ref. No.	Clause & Page No.	As per Tender Document	Consultant's Queries	Response from IWAI
		of JV/consortium before award of work. Experience of individual firms of the JV will also be considered for evaluation.		
67.	Clause 5.0, Para-3 at Page 11	Joint venture is allowed with two or more partners. The lead partner should have minimum 51% equity participation. If a Bidder constitutes (under applicable laws) a joint venture they shall submit and comply with the following requirements; (a) There shall be a Joint Venture Agreement specific for the contract between the constituent firms, indicating clearly, amongst other things, the proposed distribution of responsibilities both financial as well as technical for execution of the work amongst them. For the purpose of this clause, the most experienced lead partner will be the one defined. A copy of the Joint Venture agreement in accordance with requirements mentioned shall be submitted along with the bid.	(i) Equity participation leads to a formation of new company which is in contradiction with Joint Venture approach. Therefore it is requested to remove this condition. Kindly confirm. (ii) In a JV what is the meaning of financial responsibilities. Please clarify. Generally it is not required. Only technical responsibility for execution should suffice.	(i) Equity in the tender may be read as technical and financial responsibility of the JV partners. (ii) Financial responsibilities means furnishing performance security, mobilization of teams etc.
68.	Clause 5.0 (c) at Page 11	Lead partner shall be nominated as being partner-in-charge; and this authorization shall be evidenced by submitting a power of attorney, duly notarized, signed by the legally authorized signatories of all the	We request that Lead partner may be allowed to nominate any of the partner as partner-in-charge; and this authorization shall be evidenced by submitting a power of attorney, duly notarized, signed by the legally authorized signatories of all the partners.	Lead partner may nominate any of the partner as partner-in-charge of the project and this authorization shall be evidenced by submitting a power of attorney, duly notarized, signed by the legally authorized

Engagement of Consultancy Services for preparation of Two Stage DPR of proposed 40 Inland Waterways

Ref. No.	Clause & Page No.	As per Tender Document	Consultant's Queries	Response from IWAI
		partners.	Mainly for better day to day co-ordination of the project.	signatories of all the partners. However, all responsibility will be of lead partner.
69.	Point no. 1.1 (3) of Clause 26.4.1 Page 22	Specific experience of the Consultant in preparation of detail project reports / techno economic feasibility study/ Hydrographic Survey for development of navigation channel including river training works and construction of Ports, river terminals, riverine structure, IWT terminals, logistics hub etc.	In the case of JV with parent/sister organisation, we understand that Combined experience of similar works will be considered for evaluation i.e. not separately for each partner. Kindly confirm.	Refer clarification 66 above.
70.	Clause 9.1 (k) Cover-3 at Page18	Copy of Document in the respect of PAN and Service Tax number.	In case of JV where International firm is a lead member along with its sister organisation registered in India, Whether Indian firm can submit PAN, Service Tax and raise Invoices on behalf of JV duly authorised by all members. Kindly confirm	Yes, Indian firm can submit PAN, Service Tax and raise Invoices on behalf of JV duly authorized by all members of JV.
71.	Clause 9.1 (t) Cover-7 at Page 18	Appendix – 1(A), 1 (B), 1(C), 1 (D) & 1 (E)	These forms are for Consortium bidder. Please confirm whether it will be applicable for Joint Venture between Indian subsidiary of International firm and its parent/sister organisation.	Yes, these forms are for Consortium/Joint Venture between firms.
72.	GCC clause 3.1, Page 30	The Consultant shall be required to deposit an amount equal to 5% of the tendered value of the work as performance guarantee in the form of either demand draft payable at any nationalized/ schedule bank OR an irrevocable bank guarantee bond of any scheduled bank or State Bank of India	We kindly request IWAI to consider submission of PBG amount equal to 5% of stage-I fee instead of total contract fee at the time agreement. Bidder will deposit PBG amount equal to 5% of stage-II fee within 15 days of go ahead clearance of stage-II.	As per Tender Document

Engagement of Consultancy Services for preparation of Two Stage DPR of proposed 40 Inland Waterways

Ref. No.	Clause & Page No.	As per Tender Document	Consultant's Queries	Response from IWAI
		in accordance with the form prescribed within 15 days of the issue of the work order. The bank guarantee shall be valid till expiry of 90 days after the end of 'Period of liability' defined in the contract document.		
73.	GCC clause 3.2, Page 30	The successful bidder EMD will be converted in to security deposit (SD) and the successful bidder has to remit balance amount of Security Deposit Balance Security Deposit (i.e. Total 5% Security Deposit deducting EMD submitted with technical bid) in the form of Demand Draft. Bank guarantee will not be accepted as security deposit.	We kindly request IWAI to consider submission of Security deposit amount equal to 5% of stage-I fee instead of total contract fee at the time of agreement. Bidder will deposit Security deposit amount equal to 5% of stage-II fee within 15 days of go ahead clearance of stage-II.	Security deposit clause 3.2.1, page 30 of tender document has been amended as "A sum @ 10% of the gross amount of the bill shall be deducted from each running bill of the contractor till the sum along with sum already deposited as earnest money (EMD) will amount to security deposit of 5 % of the contract value of the work. Bank guarantee will not be accepted as security deposit."
74.	Clause 20.2 at Page 38	The Consultant shall furnish and deliver monthly to the Engineer-in-Charge, a distribution return of the number and description by trades of the works of people employed on the works. The Consultant shall also submit on the 4th of every month for the period of preceding month to the Engineer-in-Charge, a true statement in respect of the following. i) Any accidents if occurred during the said fortnight showing the	This clause is referred to a EPC contract and not applicable on Consultancy/DPR. Please confirm.	(i) As actual field survey work is envisaged and involvement of labour would be there, Indian Labour Laws will be applicable. (ii) Submission of details of labour engaged is not required.

Engagement of Consultancy Services for preparation of Two Stage DPR of proposed 40 Inland Waterways

Ref. No.	Clause & Page No.	As per Tender Document	Consultant's Queries	Response from IWAI
		<p>circumstances under which they happened and the extent of damage and injury caused by them and.</p> <p>ii) The number of female workers who have been allowed maternity benefit as provided in the Maternity Benefit Act 1961 or Rules made thereunder and the amount paid to them.</p>		
75.	Clause 2.0 at Page 68	<p>Period of Services</p> <p>Total : 24 Weeks Stage 1: 10 Weeks Stage 2: 14 weeks</p>	<p>The overall project schedule appears to be very short (considering max length of rivers / waterways in any one cluster being 896 Km) and also Monsoon period from June – September 2015. Therefore it is requested to extend the overall project duration to 50 weeks as per details below;</p> <p align="center">Total : 50 Weeks Stage 1: 20 weeks Stage 2: 30 weeks</p> <p>Kindly confirm.</p>	Time schedule modified as per Corrigendum-3, Sl. No. 8.
76.	Clause 3.0 (8) Transport Economist, Page 70	<p>Educational Qualification:</p> <ul style="list-style-type: none"> Should be Graduate in Civil Engineering. Higher qualification in relevant field will be preferred. <p>Professional Qualification:</p> <ul style="list-style-type: none"> Minimum 10 years' experience in related field. He should have experience of estimating transport investments and implementing transport programs. 	<p>The Qualification criteria of Transport Economist should be</p> <p>Educational Qualification: Should be Post Graduate in Economics/MBA/CA from any reputed Institute/University</p> <p>Professional Qualification:</p> <ul style="list-style-type: none"> Minimum 10 years' experience in related field. He should have experience of estimating transport investments and implementing transport programs for infrastructure projects. 	Refer clarification (2.n) above.



Engagement of Consultancy Services for preparation of Two Stage DPR of proposed 40 Inland Waterways

Ref. No.	Clause & Page No.	As per Tender Document	Consultant's Queries	Response from IWAI
77.	NIT T&C no. 5 at Page 5.	Last date of submission of Tender is 11.05.2015 upto 1500 hrs.	We kindly request you to extend the date of submission atleast by 14 days i.e. on 25.05.2015. Kindly confirm.	Refer clarification (2.s) above.
78.	General	Approval of Reports	Is time taken for approval of Reports included in project duration? Please clarify.	Refer clarification (2.m) above.

(Cdr. P. K. Srivastava)
Hydrographic Chief

(R. P. Khare)
Member (Technical)

Pravir Pandey
Member (Finance)