

Capacity Augmentation of National Waterway – 1 (CANW-1) - Construction of Multimodal IWT Terminal at Varanasi, Uttar Pradesh on EPC basis

QUERIES RAISED BY BIDDERS IN THE PREBID MEETING

Date of Prebid Meeting: 12th AUGUST 2015 at 11:30 Hrs																														
Sl No	Volume	Page No.	Clause	As per document	Query	Clarification																								
1	I	viii	Section VII, Article 17 of DCA Cl. 17.1.	Defects Liability Period	Kindly specify the duration of the Defects Liability Period	The duration of Defects Liability Period is 12 months (twelve months)																								
2	I		Section VII, Cl. 19.10 and 19.12 of DCA	Price Adjustment	The scope of work involves construction of Bituminous roads for which Price adjustment for Bitumen is not considered. We request you to kindly consider Bitumen in Price Adjustment	Bituminous quantity in the project is not considered significant & therefore not accounted for.																								
3	I		Section VII, Schedules H	Contract Price Weightages	In the Contract price weightages, only road items were specified without the percentage distribution. Wherein the total scope involves Jetty structures, Stone Pitching works, Buildings, Electrical works, Postoon, Gangway, etc. which are not identified. Kindly clarify.	Schedule H deleted																								
4	I		Cl 2.4.2 Specific Experience of Section III	Designing of Jetty or Harbor in river/sea or a bridge in river of minimum INR 1456 Million or USD 24.27 Million	Completion of design and construction of River Bridge between April 2008 to March 2015 will be considered. Kindly clarify.	April 2008 to March 2015 is the duration considered for experience of the bidder.																								
5	I			d) For the above or other contracts executed during the period stipulated in 2.4.2(a) above, a minimum experience in the following key activities: • Designing of Jetty or Harbour in river/sea or a bridge in river of minimum INR 1456 Million or USD 24.27 Million • Designing of a bridge in river minimum INR 1456 Million or USD 24.27 Million • Marine / River civil works involving minimum 900 mm diameter or equivalent area piles in marine / river conditions • RCC well foundation works involving minimum 7000 mm diameter or equivalent area in marine river conditions.	This requirement is the same as above. Please clarify.	Clause is amended as :- b) For the above or other contracts executed during the period stipulated in 2.4.2(a) above, a minimum experience in the following key activities: • Designing of Jetty or Harbour in river/sea or a bridge in river of minimum INR 1456 Million or USD 24.27 Million • Marine / River civil works involving minimum 900 mm diameter or equivalent area piles in marine / river conditions or • RCC well foundation works involving minimum 7000 mm diameter or equivalent area in marine/river conditions.																								
6	I		Drawings and Cl. 1.17.3 of Volume III	Foundations for Jetty Structures	As per the drawing, well foundations are provided for the foundations of the Jetty Structure, wherein as per Vol III the foundations can be Pile foundations. The project being on EPC mode, the contractor may adopt for any of the foundations. Please clarify.	The contractor may adopt for other type of foundations.																								
7	I		General	Environmental Clearance	We request you to kindly provide the status of the Environmental Clearances.	The EIA & SIA of the Varanasi Terminal Project has been carried out by the environmental consultant of IWAI & available at the website of IWAI.																								
8	I		General - Date of Submission	11th September 2015	We request you to kindly provide the bidder a minimum 4 weeks from the date of issue of prebid clarifications for the submission of bid.	As per request, the date of submission is extended to 14th September 2015 at 15:00 hrs																								
9	I	cxvii	Project milestones	All 4 milestones are indicated as number of days to corresponding % of work done in terms of contract prices.	We understand that these are obviously calendar days and not working days. Please confirm for clarity in Contract.	Schedule J is amended as:- 1 Project Completion Schedule During Construction period, the Contractor shall comply with the requirements set forth in this Schedule- J for each of the Project Milestones and the Scheduled Completion Date. Within 15 (fifteen) days of the date of each Project Milestone, the Contractor shall notify the Authority of such compliance along with necessary particulars thereof. 2 Project Milestone-I 2.1 Project Milestone-I shall occur on the date falling on the 365th (three hundred and sixty fifth) day from the Appointed Date (the "Project Milestone-I"). 2.2 Prior to the occurrence of Project Milestone-I, the Contractor shall have commenced construction of the Terminal and submitted to the Authority duly and validly prepared Stage Payment Statements for an amount not less than 15% (fifteen per cent) of the Contract Price. 3 Project Milestone-II 3.1 Project Milestone-II shall occur on the date falling on the 550th (five hundred and fiftieth) day from the Appointed Date (the "Project Milestone-II"). 3.2 Prior to the occurrence of Project Milestone-II, the Contractor shall have continued with construction of the Terminal and submitted to the Authority duly and validly prepared Stage Payment Statements for an amount not less than 50% (fifty per cent) of the Contract Price. 4 Project Milestone-III 4.1 Project Milestone-III shall occur on the date falling on the 730th (seven hundred and thirtieth) day from the Appointed Date (the "Project Milestone-III"). 4.2 Prior to the occurrence of Project Milestone-III, the Contractor shall have continued with construction of the Terminal and submitted to the Authority duly and validly prepared Stage Payment Statements for an amount not less than 90% (ninety five per cent) of the Contract Price. 5 Scheduled Completion Date 5.1 The Scheduled Completion Date shall occur on the 792th (seven ninety two) day from the Appointed Date. 5.2 On or before the Scheduled Completion Date, the Contractor shall have completed construction in accordance with this Agreement. 6 Extension of time 21. Upon extension of any or all of the aforesaid Project Milestones or the Scheduled Completion Date, as the case may be, under and in accordance with the provisions of this Agreement, the Project Completion Schedule shall be deemed to have been amended accordingly.																								
10	I	25	ITB 13.1	Alternative Bid Shall be permitted	Please clarify what constitute as "Alternative technical solution". If we propose Alternative Design option such as Pile Foundation in lieu of Well Foundation, Can this be accepted as Alternative Bid and will not be rejected as Alternative technical solution?	The bidders can propose well/pile foundation. No other alternative shall be allowed. Pile foundation as alternative to well foundation would be acceptable with relevant revision in design of deck superstructure and no other changes from the tender scheme would be accepted.																								
11			ITB 13.2	Alternative time for completion shall be permitted																										
12			ITB 13.4	Alternative technical solutions shall be permitted for the following parts of the Works: Not Permitted																										
13	I	xv	4.1.3(c)	Environment clearances are not required but proposed Environment Management Plan is to be implemented.	These two clauses are contradictory with regards to Environment Clearances required. Please Confirm.	The EIA & SIA of the Varanasi Terminal Project has been carried out by the environmental consultant of IWAI & available at the website of IWAI.																								
14	I	x	3.1.2	The Contractor shall comply with all environmental clearances required during construction and maintenance including Implementation of Environmental Management Plan (EMP).																										
15	I	xv	4.1.4	For the avoidance of doubt, the Parties agree that the Damages for delay in approval of GAD shall be deemed to be equal to the Damages payable under the provisions of Clause 8.3 for delay in providing Right of Way.	Please confirm whether GAD approval refers to approval of design for scope of work included in this tender (ie. GAD of Jetty structure) and any delay in approval by Authority shall be payable under provisions of Clause 8.3.	Clause No. 4.1.4 of Volume I shall be read as:- Delay in providing the Right of Way in accordance with the provisions of Clause 4.1.3 shall entitle the Contractor to Damages in a sum calculated in accordance with the provisions of Clause 8.3 of this Agreement and Time Extension in accordance with the provisions of Clause 10.5 of this Agreement.																								
16	I	cxviii	Schedule H	CONTRACT PRICE WEIGHTAGES * The above list is illustrative and may require modification as per the scope of the work.	Please provide percentage weightage as per complete scope of work for this tender. Can contractor modify the Contract Price Weightages to suit tender scope of work.	Please refer Sl. No. 3																								
17	I	ixxiii	19.2	Bonus for early completion: the Contractor shall be entitled to receive a payment of bonus equivalent to 0.03% (zero point zero three per cent) of the Contract Price for each day by which the Project Completion Date precedes the Scheduled Completion Date, but subject to a maximum of 3% (three per cent) of the Contract Price.	We suggest to increase limit of bonus from maximum 3% to 10% of Contract price.	No change. Tender conditions prevail.																								
18	I	xxi	7.5.1	From every payment for Works due to the Contractor in accordance with the provisions of Clause 19.5, the Authority shall deduct 6% (six per cent) thereof as guarantee money for performance of the obligations of the Contractor during the Construction Period of the "Retention Money" subject to the condition that the maximum amount of Retention Money shall not exceed 5% (five per cent) of the Contract Price.		No change. Tender conditions prevail.																								
19					One of the bidder raised issue about the service tax exemption	The contractor has to pay service tax while the same shall be reimbursed on submission of proof of the tax deposited by the contractor.																								
20	I		14.1	Article 14		Deleted																								
21	II	1-11	1.2.7			Table shall be read as:- <table border="1"> <thead> <tr> <th>Road Type</th> <th>Overall Width</th> <th>Carriageway Width</th> <th>Width of Paved Shoulders on either side of Carriageway</th> <th>Width of Treated Shoulders on either side of Carriageway</th> <th>Approximate length</th> </tr> </thead> <tbody> <tr> <td>Highway</td> <td>22m</td> <td>7.5m</td> <td>3m</td> <td>1.5m</td> <td>1000m</td> </tr> <tr> <td>Expressway</td> <td>22m</td> <td>7.5m</td> <td>3m</td> <td>1.5m</td> <td>1000m</td> </tr> <tr> <td>Expressway</td> <td>12m</td> <td>5m</td> <td>0.75m</td> <td>0.75m</td> <td>365m</td> </tr> </tbody> </table>	Road Type	Overall Width	Carriageway Width	Width of Paved Shoulders on either side of Carriageway	Width of Treated Shoulders on either side of Carriageway	Approximate length	Highway	22m	7.5m	3m	1.5m	1000m	Expressway	22m	7.5m	3m	1.5m	1000m	Expressway	12m	5m	0.75m	0.75m	365m
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22	II	3-14	3.7.2	The Employer shall provide land area limited to 2 acres within the Project Site for the Contractor's working area. No space for the labour camp shall be provided.		The Employer shall provide land area limited to 2 acres within the Project Site for the Contractor's working area. Additional 3 acre of land may be provided on shared basis with other contractor.																								
23	II	2-12	2.1.7	Based on the strategy proposed by the Client & shown in the relevant drawings, the contractor has to carry out the model study to check run-up and effect of the proposed structures to be erected on stability of the bank due to likely erosion, if any during and after construction is completed. The same should be done for both schemes i.e. with deck supported on well foundation and pile foundation. This model study has to be carried out before the start of the construction works.		No change. Tender conditions prevail.																								
24	II	2-6	2.1.4.4	Crack width of all the structural elements shall be calculated wherever necessary as per IS-456 and shall be limited as per IS-4651. In any case crack width limits shall meet the below requirements:- Long term Crack width Limit:- 0.1 mm Short term Crack width Limit:- 0.2 mm		No change. Tender conditions prevail. Compliance of all relevant IS codes with latest revisions shall be ensured.																								
25		2-3	2.1.3	The design bed level at the Jetty shall be taken as +3.5 m.		The river bed level at the proposed jetty site shall be taken as +44.0 m																								
26	II	1-10	1.2.3	Stone pitching works shall be carried out at the site to protect the river bank from current & waves. A length of 200m behind the jetty shall be protected by the stone pitching works. The general arrangement of these works is shown in the Drawing EPIL-MMT-C-211.		Stone pitching works shall be carried out at the site to protect the river bank from current & Minor waves due to movement of boats/vessels. A length of approximately 370 m behind the jetty shall be protected by the stone pitching works. The general arrangement of these works is shown in the Drawing EPIL-MMT-C-211-RL.																								

Capacity Augmentation of National Waterway – 1 (CANW-1) - Construction of Multimodal IWT Terminal at Varanasi, Uttar Pradesh on EPC basis

QUERIES RAISED BY BIDDERS IN THE PREBID MEETING

Date of Prebid Meeting: 12th AUGUST 2015 at 1130 Hrs						
Sl No	Volume	Page No.	Clause	As per document	Query	Clarification
27	ii			Drawings	Drawing No. EPIL-MMT-C-211 Mooring rings C/C distance Mooring rings Pull Steps Cross Section	Revised Drawing no. Drawing EPIL-MMT-C-211-R1 attached for your reference.
28	ii			Drawings	One of the bidder raise query to use the alternative method to design the shore protection works.	The contractor has to design the shore protection based on the design criteria given in volume II of tender document. The contractor shall not use the alternatives like Gabion, Geobags etc. which can be affected by site/environmental conditions. The decisions of accepting authority in this regard shall be final & binding.
29					One of the bidder raised query to use the simulation method for load test of piles.	All the tests shall be carried out as per the clause no. 4.3.2.12 in volume II of tender document.
30	ii	4-52	4.4.1	The Contractor shall first clear the area of any obstructions or old structures and carry out a detailed topographic survey of the whole area. Formation level shall be such that there shall be no flooding of the site. It is proposed to provide the formation level of RL + 75.0 m within the port area, upto the boundary wall of the port, road area and locations where buildings have to be constructed.		The Contractor shall first clear the area of any obstructions if any and carry out a detailed topographic survey of the whole area. Formation level shall be such that there shall be no flooding of the site. It is proposed to provide the formation level of RL + 75.0 m within the terminal area, upto the boundary wall of the Terminal, road area and locations where buildings have to be constructed.
31	ii	4-176	4.2.1.9	Expansion Joint shall be provided at 100m interval to the satisfaction of the Employer		No change Tender conditions prevail.
32	ii	2-5	2.1.4.2	The load combinations shall be in accordance with IS 4651 (Part IV) and any other combinations as instructed by the Employer during detail engineering.		The load combinations shall be in accordance with IS 4651 (Part IV)
33					One of the bidder raise the query about the submissions along with the tender documents.	Design Basis Report & Design Summary Report shall be submitted along with the documents required in the tender.
34	ii	2-7	2.1.5.1	Suitable stone pitching works shall be designed to protect river bank along the jetty. Following loads shall be considered for the design and any other loads including seismic load as appropriate shall also be considered as per Indian standards. Slope stability check shall be carried due to these loads and a minimum factor of safety of 1.3 shall be achieved.		No change Tender conditions prevail.
35	i	31	ITB25.3	Delete "Only discounts and alternative bids read out at bid opening shall be considered for evaluation".		Delete "Only discounts read out at bid opening shall be considered for evaluation".
36	i	24	ITB7.1	The e-procurement portal of the Employer is: https://eprocure.gov.in/eprocure/app The prospective Bidder can seek clarifications only through the e-procurement portal mentioned above. Clarifications sought through any other mode shall not be entertained. The Employer will upload its response on the e-procurement portal mentioned above and also the Employer's website i.e. https://eprocure.gov.in/eprocure/app without identifying the source.		The e-procurement portal of the Employer is: https://eprocure.gov.in/eprocure/app The prospective Bidder can seek clarifications by sending mails to nfi.wia@nic.in along with e-procurement portal of the employer.
37	i	cxviii	Schedule A	To be included		Please refer 1.1 of Volume II
38	i	cxix	Schedule B	To be included		Please refer 1.2 of Volume II
39	i	cx	Schedule C	To be included		Deleted
40	i	cxvi	Schedule D	To be included		Please refer Section 4 of Volume II
41	ii	1-19	1.2.1.3	Mobile Harbour Crane Two numbers of diesel operated mobile harbour crane having lifting capacity of 50 T at 18 m radius shall be procured & install at the proposed multimodal jetty. The said crane shall handle the cargo from design vessels at all anticipated water levels.		Mobile Harbour Crane Two numbers of diesel operated mobile harbour crane having lifting capacity of 50 T at outreach of 17 m to 18 m radius shall be procured & installed at the proposed multimodal jetty. The said crane shall handle the cargo from design vessels at all anticipated water levels.
42	ii	6-1	6.2.2.1	Crane Classification Heavy lift operation 50 T on hook - A4 Grab Operation - A8 Container Operation - A7		Crane Classification Heavy lift operation 50 T on hook - A4 Grab Operation - A8 Container Operation - A6/A7
43	ii	6-6	6.2.7.14	Electrical Control System / Central Control Computer All crane functions shall be controlled and monitored by a programmable logic controller (PLC). The PLC hardware and software system shall be of an international well-known brand, preferably Siemens, to facilitate maintenance and troubleshooting by local engineers without the need of prior extensive special training on the manufacturer's own system.		Electrical Control System / Central Control Computer All crane functions shall be controlled and monitored by a programmable logic controller (PLC). The PLC hardware and software system shall be of an international well-known brand, Siemens or equivalent, to facilitate maintenance and troubleshooting by local engineers without the need of prior extensive special training on the manufacturer's own system.
44					One of the bidder raised query about the load data for mobile harbour crane and ELL crane	Annexure I and Annexure II attached here for reference.
45	ii	1-7	1.1.4.3	Hydrography Water level table	Please provide the normal water levels	Please refer the attached MEACON report & drawings.
46	ii	-	-	-	Please clarify whether filling in the river during construction is allowed or not.	Standard construction practices shall be allowed. No soil contaminated with bintonite or otherwise would be allowed to be spilled / dumped into river.
47	ii	-	-	-	Request client to provide the details of the sand pockets	Requisite soil testing is in the scope of contractor.
48	ii	-	-	-	Please clarify whether any restriction in the movement of the floating crafts during construction	In General, there is no such restriction in the movement of floating craft during construction which are required for the standard construction practice. Temporary restriction as and when will be imposed by the local authorities shall be applicable.
49	ii	1-10	1.2.3	Stone Pitching	Please clarify whether the pitching is required upto the score level?	Stone pitching works shall be designed considered the scour depth.
50	ii	2-6	2.1.4.4	Long Term Crack width Limit : 0.1 mm and short term crack width : 0.2 mm	If Contractor opts for Pile foundation, it is require to design piles for 0.1 mm crack width for complete length or it should be designed as per the latest IS:4651-2014.	Please refer Sl. No. 24
51	ii	2-3	2.1.3	The design bed level at the Jetty shall be taken as +3.5m	Bidder request client to provide the bed level with respect to RL in m	Please refer Sl. No. 25
52	ii	2-4	2.1.4.1	Equipment Loads	Bidder request client to provide loads of the equipment during operation and during storm including horizontal loads and dead load of the equipment.	Please refer Annexure 1 & 2
53	ii	2-4	2.1.4.1	Mobile Harbour Crane Loads	Bidder request client to provide loads of the Mobile Harbour Crane Loads during operation and during storm including horizontal loads and dead load of the crane.	Please refer Annexure 1 & 2
54	ii	3-14	3.7.2	Employer shall provide land limited to 2 acres for the contractors working area. No space for the labour camp shall be provided	Bidder request client to provide minimum of 5 acres of land within the project site for contractors working area.	Please refer Sl. No. 22
55	ii	1-10	1.2.3	Stone pitching works shall be carried out for 200 m length behind the jetty	With reference to the drawing of EPIL-MMT-C-201, The length of the pitching works is approximately 365 m. Pl confirm.	Please refer Sl. No. 26
56	ii	2-7	2.1.5.1	Slope stability check shall be carried due to these loads and a minimum factor of safety of 1.3	Pl. clarify whether FoS of 1.3 is only for Normal condition, if so please provide the FoS for Seismic conditions.	Please refer Sl. No. 34
57	ii	1-1	1.1.1	Multimodal Terminal is to be developed as integrated facility for operation of cargo along the shore based structure and necessary services with intermodal connection with road	What is the exact parcel or cargo forecasted either loading or unloading in the project?	Refer Annexure 3 attached here.
58	ii	1-11	1.2.7	Type - R1, 22 m overall width with carriageway width 7.5m with 650m length.	Request client to provide the length for Type-R1 roads are not clearly mentioned in the drawings.	Please refer Sl. No. 21
59	ii	2-12	2.1.7	Contractor has to carry out model study to check run-up and effect of the structures on stability of the bank due to likely erosion.	Please clarify whether it is a physical model study or mathematical model study and list of the studies to be include in the project.	Mathematical model study shall be carried out. Physical model study would take a very long time, this option shall be ruled out. Please follow Volume II Cl. 2.1.7.
60	ii	4-48	4.3.2.12	Load Tests	Please clarify whether to conduct initial load test or not?	No change, Tender Conditions prevail.
61					Request client to provide the list of documents for submission which will be part of the tender submission.	Please refer Sl. No. 33
62	General				Please clarify whether water front with in the site will be made available for construction of temporary load out jetty.	Permission & Assistance will be provided by Authority Engineer, if required.
63	ii			Drig. No. EPIL-MMT-C-211	Please clarify capacity and its numbers and spacing of mooring ring to be provided on pitching. Is any approach to be provided to mooring ring for operation purposes.	Please refer Sl. No. 27
64	i			11/9/2015	We request you to extend time for submission of bids by 6 weeks.	Please refer Sl. No. 8
65	i		Article 17 Defects Liability Period, Clause 17.1.1	Defects Liability Period: The Contractor shall be responsible for all the Defects and deficiencies, except usual wear and tear in the terminal or any Section thereof, till the expiry of a period of ____ (in figures) years.....	We request Employer to mention the DUP duration from the completion of Works	Please refer Sl. No. 1
66	i		Article 19 Payments, Clause 19.2	Advance Payment: The Authority shall make an interest-free advance payment (the "Advance Payment"), equal in amount to 10 (Ten) percent of the Contract Price, for mobilisation expenses and for acquisition of equipment. The Advance Payment shall be made in three installments. The first installment shall be an amount equal to 2% (two percent) of the Contract Price, the second installment	Bidder Seeks employer to make a Single installment advance considering the major equipment & Resource shall be mobilized at the commencement stage immediately after award of LOA. Request Employer to confirm the same.	No change Tender Conditions prevail.

CLIENT: Inland Waterways Authority of India, Ministry of Shipping						
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Sl No	Volume	Page No.	Clause	As per document	Query	Clarification
67	I		Schedule - H, Contract price weightages	Contract Price weightages: Proportions of the Contract Price for different stages of Construction of the Terminal shall.	Bidder request the employer to provide the respective format for Schedule -H	Please refer Sl. No. 3
68	II	1-7	1.1.4.3	Hydrography - "High water level and low water levels given"	Any information regarding to "Mean High Water Level and Mean Low Water Level", so that the levels are to be fixed at various elevations for mooring.	Please refer the attached MEACON report & drawings.
69	II	1-7 & 2-3	1.1.4.3 & 2.1.4.1	Current - "The current velocity specified as 4.5m/s".	Current velocity seems to be on higher side for port and harbor structures. Please confirm the same and it shall be used in the Mooring load calculation	Please refer the attached MEACON report.
70	II	1-9 & 2-4	1.2.2-V & 2.1.4.1	Rail Mounted ELL Cranes - "In addition, this jetty shall be capable to accommodate rail mounted ELL cranes"	Since the provision of rail mounted crane given, please provide the locations of storm anchors, tie down pits, unloading points and are required to strengthen the berth at that locations.	Standards Specifications & engineering practices shall be adopted.
71	II	1-10 & Drg. No. EPIL-MMT-C-211	1.2.3	Stone Pitching Works - "Stone pitching works shall be carried out at the site to protect.....".	In the drawing, the founding level of the pile is shown as RL (+)30.00. Please clarify that this much embedment depth required for any diameter of pile apart from the scour level criteria	The drawings attached in the volume II are just indicative. Please follow the design criteria specified in the sec 2 of Vol II of tender document.
72	II	2-5	2.1.4.1	Discharge & Scour Depth - "Minimum scour depth of 30.80m from the HFL on a discharge of 46186 cum/s at river side.....".	Please clarify that the scour depth of 30.80m is applicable (or) it should be evaluated as per the hydraulic and geotechnical parameters. If so kindly provide the silt factors, maximum water velocity and design discharge per meter width (or) width of effective linear water way.	Please refer attached MEACON report.
73	II	2-6 & 2-10	2.1.4.4 & 2.1.6.6	Serviceability Checks - "Crack width of all the structural elements shall be calculated wherever necessary as per IS: 456 and shall be limited as per IS: 4651...."	As per this clause in any case the limiting crack width is mentioned as 0.2mm. But as per IS: 4651, Part-4, the limited crack width is 0.004 times the cover to the main reinforcement. Please clarify.	Please refer Sl. No. 24
74	II	2-7	2.1.5.1	General - "Effect of scour depth shall be considered while designing the bank protection works...."	Please clarify whether any reduction in scour depth while designing the bank protection structures like abutments in bridges	Please refer the design criteria (sec 2) Vol II of Tender Documents. Tender conditions prevail.
75	II	4-44 & 4-47	4.3.2.1 & 4.3.27	General - "For piles permanent MS casing/ liner up to its required levels shall be provided".	Please clarify that the minimum thickness (6mm) of liner shall be considered as per IRC: 78.	Minimum Thickness if Liner shall be 8 mm.
76	II	4-45	4.3.2.3	Boring - "Foundation elevation of each pile will be individually approved...."	In this clause, mentioned that the piles shall be socketed minimum one diameter into hard rock. But as per the investigative data the hard rock is not encountered to the explored depth. Please clarify that the piles termination criteria should be followed as per the design requirement in case of soil.	Piles shall be socketed 1 dia into hard rock & where the hard rock will not be encountered as per the soil investigation report, piles termination criteria should be followed as per the Tender design criteria.
77			Service Tax		Bidder request to clarify whether the Project is Service Tax Exempted or the same shall be paid separately in addition to the Contract value.	Please refer Sl. No. 19
78			Part-II Scope Project, Article-7, Cl. 7.5, Retention Money		Bidder request to allow submission of BG amounting 5% of the Contract value and not to deduct Cash retention	No change, Tender conditions prevailed.
79			Part-II Scope Project, Article-17, Cl. 17.1, Defect Liability Period		Defect Liability Period is not mentioned in the tender document. Please specify.	Please refer Sl. No. 1
80			Part-II Scope Project, Article-3, Cl. 3.7, Electricity, Water and other Services		Bidder request IWAI to allow install boring inside terminal premises (At Contractor's cost) to collect Construction Water maintaining proper Quality.	Please refer Schedule F of Vol I.
81			Part-II Scope Project, Article-14, Cl. 14.1, Maintenance Obligations of the Contractor		It is Understood that Contractor has to maintain the terminal for a period of terminal and Yearly Charges are also mentioned in the clause, but in the BOQ there is no such provision to mention the price. Please clarify.	Please refer Sl. No. 20
82			Volume-II, Section-1, Clause 1.2.7 Roads		In the scope of work 650 m long Road (Type R1) is mentioned, and in the Drawing EPIL-MMT-C-246 only Cross section of the Road is shown. Bidder requests IWAI to provide the detail layout of the Road with provision of Culvert, ROB etc.	Please refer Sl. No. 21
83			Part-II Schedules		Schedule-A, B, C and D is not mentioned in the Tender Document. Please mention	Please refer Sl. No. 47-50
84			Contractors Working Area		As per the Tender Document, IWAI shall provide 2 Acres of land for Contractor's working area. Bidder request to provide 5 Acres of Land.	Please refer Sl. No. 22
85			Jetty and Rock Pitching Design		Bidder Request IWAI to allow Jetty Design using Pile foundation satisfying the Load and other parameters as per Tender stipulation.	Please refer Sl. No. 6
86					Kindly specify whether the bored cast in situ concrete piles provided for stone pitching works are contiguous type.	Drawings in the Tender documents are indicative. Contractor shall design according to the design criteria in the Sec 2 of Volume II.
87			Volume-II (Page 1-10) Cl. 1.2.3 Stone Pitching works		"A length of 200 m behind the Jetty shall be protected by the stone pitching works" is not understood. Please specify total length of the Stone Pitching works	Please refer Sl. No. 26
88			Electrical Works		Bidder requests IWAI to specify the location where Electrical power will be provided for further installation / distribution.	The bidder is advised to visit the site & obtain the relevant information from Electricity department.
89	EPC - Draft Agreement	Pg - xii	Art - 3.2.1	Obligations relating to sub-contracts and any other agreements The Contractor shall not sub-contract any Works in more than 20% (twenty per cent) of the contract price and shall carry out Works directly under its own supervision and through its own personnel in at least 80% (eighty per cent) of the contract price. Provided, however, that in respect of the Works carried out directly by the Contractor, it may enter into contracts for the supply and installation of Materials,..... Contractor.	The bidder requests the Authority for modification of the referred provision as per below The Contractor shall not sub-contract any Works in more than 20% (twenty per cent) 30% (thirty percent) of the contract price and shall carry out Works directly under its own supervision and through its own personnel in at least 80% (eighty per cent) 70% (seventy percent) of the contract price. Provided, however, that in respect of the Works carried out directly by the Contractor, it may enter into contracts for the supply and installation of Materials,..... Contractor.	No Change, Tender Conditions prevail.
90	EPC - Draft Agreement	Pg - xiii	Art - 3.8	Unforeseeable difficulties	The bidder requests for deletion of the referred provision from the Draft Agreement.	No Change, Tender Conditions prevail.
91	EPC - Draft Agreement	Pg - xv	Art - 4.1.4	Obligations of the Authority Delay in providing the Right of Way..... Agreement. For the avoidance of doubt, the Parties agree that the Damages for delay in approval of GAD shall be deemed to be equal to the Damages payable under the provisions of Clause 8.3 for delay in providing Right of Way.	The Bidder understands that the formula specified under Clause 8.3.1 shall apply to calculate the amount of Damages payable for delay in approval of GAD. Please Confirm.	No Change, Tender Conditions prevail.
92	EPC - Draft Agreement	Pg - xv	Art - 4.1.5	Obligations of the Authority Notwithstanding anything to the contrary contained in this Agreement, the Parties expressly agree that the aggregate Damages payable under Clauses 4.1.4, 8.3 and 9.2 shall not exceed 1% (one per cent) of the Contract Price. For the avoidance of doubt, the Damages payable by the Authority under the aforesaid Clauses shall not be additive if they arise concurrently from more than one cause but relate to the same part of the terminal	The bidder requests the Authority for modification of the referred provision as per below The Parties expressly agree that the aggregate Damages payable under Clauses 4.1.4, 8.3 and 9.2 shall be as per actual cost incurred by the Contractor. For the avoidance of doubt, the Damages payable by the Authority under the aforesaid Clauses shall not be additive if they arise concurrently from more than one cause but relate to the same part of the terminal.	No Change, Tender Conditions prevail.

Date of Prebid Meeting: 12th AUGUST 2015 at 1130 Hrs				As per document	Query	Clarification
Sl No	Volume	Page No.	Clause			
93	EPC - Draft Agreement	Pg - xxiii	Art - 7.5	Retention Money 7.5.1 From every payment for Works due to the Contractor in accordance with the provisions of Clause 19.5, the Authority shall deduct 6% (six per cent) thereof as guarantee money for performance of the obligations of the Contractor during the Construction Period (the "Retention Money") subject to the condition that the maximum amount of Retention Money shall not exceed 5% (five per cent) of the Contract Price. 7.5.3 The Contractor may, upon furnishing an irrevocable and unconditional bank guarantee substantially in the form provided at Annex-II of Schedule-G, require the Authority to refund the Retention Money deducted by the Authority under the provisions of Clause 7.5.1. Provided that the refund hereunder shall be made in tranches of not less than 1% (one per cent) of the Contract Price.	In view of nature of the project and to obtain smooth cash flow for the project, the bidder requests the Authority to modify the referred provision to allow the Contractor for submission of Bank Guarantee equal to 5% of Contract Price in four parts in lieu of Cash Retention and the same shall be released after achievement of substantial completion of the Project. Please Confirm.	No Change, Tender Conditions prevail.
94	EPC - Draft Agreement	Pg - xxiii	Art - 7.5.5	Retention Money The Parties agree that in the event of Termination of this Agreement, the Retention Money and the bank guarantees specified in this Clause 7.5 shall be treated as if they are Performance Security and shall be reckoned as such for the purposes of Termination Payment under Clause 23.6.	The bidder requests the Authority for deletion of the referred provision from tender conditions.	No Change, Tender Conditions prevail.
95	EPC - Draft Agreement	Pg - xxv	Art - 8.3	Damages for delay in handing over the site In the event the Right of Way has not been provided: Amount of Damages in Rs. per day per meter = 0.05 x C x 1/L x 1/N Where C = the Contract Price; L = length of the Project Highway in meters; and N = Completion period in days (Appointed Date to Scheduled Completion Date)	The bidder envisages that delay damages for handing over the site shall not be sufficient to cover the loss of Contractor due to idling of its mobilized resources for completion of the Work. Hence the bidder requests for modification of the referred formula suitably for entitling the contractor for additional payment as per actual cost incurred by the Contractor.	No Change, Tender Conditions prevail.
96	EPC - Draft Agreement	Pg - xxv	Art - 8.3.3	Notwithstanding anything equal to 10(ten) percent of the Contract Price. Provided that if any within 240 (two hundred and forty) days of the Appointed date, the affected Works shall be deemed to be withdrawn under the provisions of this Clause 8.3.3 unless the Parties agree to the contrary, and such Works shall not be completed for the purposes of the aforesaid ceiling of 10% (ten per cent) hereunder.	The bidder's basis of pricing shall be based on the scope of work as stipulated in the EPC Draft Agreement and that will be the minimum work to be carried out by the Contractor after award of the work. In view of above, any reduction/withdrawal of work under any circumstance will be an impact on the contractor and such withdrawal can not be absorbed by executing the remaining scope of work, kindly modify the referred provision which shall entitle the Contractor for an additional payment of overheads and profits @20% of the reduced value of Work.	No Change, Tender Conditions prevail.
97	EPC - Draft Agreement	Pg - xxviii	Art - 9.2	Shifting of obstructing utilities The Contractor shall, in accordance with Applicable Laws and with assistance of the Authority, shift any utility (including electric lines, water pipes, telephone cables etc.) employed. The actual cost of such shifting, based on executed BOQ basis on rates estimated and corrected by the utility agency, less supervision charges of Agency plus 10% towards Contractor's overhead shall be paid by the Authority to the Contractor separately in addition to the Contract Price. However, the Authority will assist in obtaining required permissions for such shifting from the concerned utility Agency including submission of application on Authority name. The works shall be carried out in close coordination with utility agency and all precaution / conditions stipulated by the agency shall be diligently followed.	The bidder requests the Authority to modify the referred provision as per below: The Contractor shall, in accordance with Applicable Laws and with assistance of the Authority, shift any utility (including electric lines, water pipes, telephone cables etc.) employed. The actual cost of such shifting, based on executed BOQ basis on rates estimated and corrected by the utility agency, less including supervision charges of Agency plus 10% 20% towards the Contractor's overhead shall be paid by the Authority to the Contractor separately in addition to the Contract Price. However, the Authority will assist in obtaining required permissions for such shifting from the concerned utility Agency including submission of application on Authority name. The works shall be carried out in close coordination with utility agency and all precaution / conditions stipulated by the agency shall be diligently followed.	No Change, Tender Conditions prevail.
98	EPC - Draft Agreement	Pg - xxxiii	Art - 10.2.5	Design and Drawings 10.2.5 Any cost or delay in construction arising from review by the Authority's Engineer shall be borne by the Contractor.	The bidder requests the Authority for modification of the referred provision as per below Any cost or delay in construction arising from review by the Authority's Engineer for the reasons not attributable to the Contractor shall be borne by the Authority.	No Change, Tender Conditions prevail.
99	EPC - Draft Agreement	Pg - xxiv	Art - 10.3	Construction of the Terminal 10.3.3 The Authority shall notify the Contractor of its decision to impose Damages. The Parties expressly agree that the total amount of Damages under Clause 10.3.2 shall not exceed 10% (ten percent) of the Contract Price.	In view of nature of the project the bidder requests the Authority to reduce the Maximum limit of delay Damages from 10% to 5%. The bidder also requests that the delay damages shall be imposed only on delay in achievement of overall completion of the work i.e. 913 days together with approved extension under the contract. Please Confirm.	No Change, Tender Conditions prevail.
100	EPC - Draft Agreement	Pg - xxxv	Art - 10.5	Extension of Time for Completion	The bidder requests the Authority to incorporate the following points at the end of referred clause (f) abnormal increase/decrease in water levels (g) Any local issues pertaining to labor and/or quarrying and/or borrow pit and/or labour union strike which effects the contractor's obligations under the contract. (h) Exceptionally adverse climatic conditions. (i) Unforeseeable shortages of personnel or Goods caused by epidemic or governmental actions (j) Delay in approval of Contractor's Design and Drawings (k) any other reasons which is not attributable to the contractor and prevents performing the Obligations under the Agreement.	No Change, Tender Conditions prevail.
101				Reimbursement of Cost Overrun	The bidder requests the Authority to incorporate suitable provision under the Draft Agreement for reimbursement of additional cost incurred by the Contractor due to the events specified in sl.no.10 hereinabove. Please Confirm	No Change, Tender Conditions prevail.
102	EPC - Draft Agreement	Pg - xvii	Art - 13.1.2	Change of Scope shall mean: (a) change in specifications of any item of Works; (b) omission and / or (c) any additional construction.	The bidder requests the Authority to clarify whether the change in scope is a result of change of specification as referred under sl.no. (a) due to which the Contractor may be required to re-design the structure and/or element due to which the Contractor incur additional cost then the same shall be paid as per actual plus 20% for overhead and margin for such change of scope.	No Change, Tender Conditions prevail.
103	EPC - Draft Agreement	Pg - xix	Art - 13.4.2	Restrictions on Change of Scope Unless the Parties mutually agree to the contrary, the total value of all Change of Scope Order shall not exceed 10 (ten) percent of the Contract Price.	The bidder requests the Authority for Clarification on referred provision of change of scope, if the change of scope exceeds by more than 10 (ten) percent, what will be the method for valuation of such change order. Whether it will form a new agreement or additional order to the existing agreement? Please Clarify.	No Change, Tender Conditions prevail.
104	EPC - Draft Agreement	Pg - I	Art - 14.1	Maintenance obligations of the Contractor The Contractor shall maintain the terminal for a period of (in figures) years commencing from the date of the Provisional Certificate (the "Maintenance Period"). For the performance of its Maintenance obligation, the Contractor shall be paid a total amount equal to 0.5% (half per cent) of the Contract Price for the first year of maintenance, 0.5% (half per cent) of the Contract Price for the second year of maintenance, 1% (one per cent) of the Contract Price for the third year of maintenance, 1% (one per cent) of the Contract Price for the fourth year of maintenance, and 1.5% (one and one-half per cent) of the Contract Price for the fifth year of maintenance, inclusive of all taxes. Clause 19.10.	Maintenance obligations of the Contractor The Contractor shall maintain the terminal for a period of (in figures) years commencing from the date of the Provisional Certificate (the "Maintenance Period"). For the performance of its Maintenance obligation, the Contractor shall be paid a total amount equal to 1% (one percent) of the Contract Price for the first year of maintenance, 1% (one percent) of the Contract Price for the second year of maintenance, 1.5% (one and one-half per cent) of the Contract Price for the third year of maintenance, 1% (one per cent) of the Contract Price for the fourth year of maintenance, and 2% (two percent) of the Contract Price for the fifth year of maintenance, inclusive of all taxes. Clause 19.10.	Please refer Sl. No. 20

Sl No	Volume	Page No.	Clause	As per document	Query	Clarification
105	EPC - Draft Agreement	Pg - lxiii	Art - 19.1.3	Contract Price The Contract Price shall not be adjusted for any change in costs stated in Clause 19.1.2 above, except as stated in Clauses 19.10 and 19.17.	The bidder understands that the Contract Price shall be adjusted for any change in costs as stated in Clause 19.10, 19.12 and 19.17. Please Confirm.	No Change, Tender Conditions prevail.
106	EPC - Draft Agreement	Pg - lxvii	Art - 19.2	Advance Payment 19.2.1 The Authority shall make an interest-free advance payment (the "Advance Payment") equal in amount to 10 (ten) percent of the Contract Price, for mobilization expenses and for Contract Price. 19.2.6 Each installment of Advance Payment shall be repaid by the Contractor to the Authority no later than 365 (three hundred and sixty five) days from the respective date of Advance Payment	The bidder requests the Authority to modify the referred provision as per below: 19.2.1 Mobilization Advance shall be in two equal installments The Authority shall make an interest-free advance payment equal to 10% of the Contract Price. The Advance shall be paid within 30 days after the Appointed date in the following manner 1.) First installment equal to 5% (five percent) of Contract Price shall be paid immediately on submission of Performance Bank Guarantee together with Advance Bank Guarantee from a Bank for an amount equal to 110% of such installment. 2.) Second installment of remaining 5% (five percent) within 30 days from appointed date against submission of Bank Guarantee from a Bank for an amount equal to 110% of such installment. 19.2.6 Each installment of Advance Payment shall be repaid on pro-rata basis by the Contractor to the Authority and shall commence only after 20% of Contract Price paid to the Contractor and complete till the time 90% of progress achieved or within no later than 365 (three hundred and sixty five) days whichever is later from the respective date of Advance Payment.	No Change, Tender Conditions prevail.
107	EPC - Draft Agreement			Secured Advance	The bidder requests the Authority to amend a suitable provision for payment of secured advance: Secured Advance shall be paid to the maximum of 5% of Contract Price. (i) payment of secured material advance up to 75% of actual value against submission of invoice along with monthly Running Account bill for non-perishable materials (ii) payment of secured advance up to 75% of actual value against submission of invoice along with monthly running account bill for perishable materials and also against submission of equivalent amount of Bank Guarantee. (iii) recovery shall be commence from next running account bill. (iv) no advance shall be paid after 80% of contract price paid to the contractor.	No Change, Tender Conditions prevail.
108	EPC - Draft Agreement	Pg - xc	Art - 23.6	Termination Payment 23.6.1 Upon Termination on account.....Authority shall: (a) encash and appropriate.....if any; (b) encash and appropriate the bank guarantee.....and (c) pay to the Contractor, by way of Termination Payment, an amount equivalent to the.....provisions of this Agreement. 23.6.2 Upon Termination.....under Clause 23.3, the Authority shall: (a) return the Performance Security and Retention Money forthwith; (b) encash and appropriate the bank guarantee, if any, for and in respect of the outstanding Advance Payment; and (c) pay to the Contractor, by way of Termination Payment, an amount equal to: (i) Valuation of Unpaid Works; (ii) the reasonable cost, as.....and Standards; (iii) the reasonable cost of.....Engineer; and (iv) 10% (ten per cent) of the cost.....not completed and shall adjust from the sum thereof (i) any.....at source.	The Bidder requests the Authority for modification of the referred provision as per below: 23.6.1 Upon Termination on account.....Authority shall: (a) encash and appropriate.....if any; (b) pay to the Contractor, by way of Termination Payment, an amount equivalent to the.....provisions of this Agreement. (c) encash and appropriate the bank guarantee.....and 23.6.2 Upon Termination.....under Clause 23.3, the Authority shall: (a) return the Performance Security and Retention Money forthwith; (b) pay to the Contractor, by way of Termination Payment, an amount equal to: (i) Valuation of Unpaid Works; (ii) the reasonable cost, as.....and Standards; (iii) the reasonable cost of.....Engineer; and (iv) 10% (ten per cent) of the cost.....not completed and shall adjust from the sum thereof (i) any.....at source.	No Change, Tender Conditions prevail.
109	EPC - Draft Agreement	Pg - cxviii	Sch - F	Applicable Permits	The bidder understands that all license, permits, approval & clearances pertaining to development of the subject work shall be responsibility of the Authority. However the Contractor shall take all necessary license, permits, approval & clearances required with assistance of Authority for construction of the terminal as per the list provided under Schedule - F of Draft Agreement. Please confirm.	No Change, Tender Conditions prevail.
110	EPC - Draft Agreement	Pg - cxviii - cxviii	Sch - G	Form of Bank Guarantee 1. Performance Security 2. Form for Guarantee for Withdrawal of Retention Money 3. Form for Guarantee for Advance Payment	The bidder requests the Authority to incorporate the following NWC Clause under the referred Bank Guarantee formats which is a mandatory clause to be incorporated at the end of Bank Guarantee as per the procedural requirement of Indian Banking institutions / RBI Guidelines. NOTWITHSTANDING anything contained hereinabove: a) Our liability under this guarantee shall not exceed Rs. / (Rupees in Words). b) This Bank Guarantee shall be valid up to (Date), and c) We are liable to pay the guaranteed amount or any part thereof under this Bank Guarantee only and only if you serve upon us a written claim or demand on or before (Date). Please Confirm	No Change, Tender Conditions prevail.
111	EPC - Draft Agreement	Pg - cxvi	Sch - J	Project Completion Schedule 2. Project Milestone - I - 365 th Day (25% of validly prepared stage payment duly submitted to Authority) 3. Project Milestone - II - 550 th Day (50% of validly prepared stage payment duly submitted to Authority) 4. Project Milestone - III - 730 th Day (75% of validly prepared stage payment duly submitted to Authority) 5. Scheduled Completion Date - 913 th Day from the Appointed Date.	The bidder requests the Authority to modify the referred provision as per below 2. Project Milestone - I - 455 th Day (25% of validly prepared stage payment duly submitted to Authority) 3. Project Milestone - II - 610 th Day (50% of validly prepared stage payment duly submitted to Authority) 4. Project Milestone - III - 790 th Day (75% of validly prepared stage payment duly submitted to Authority) 5. Scheduled Completion Date - 913 th Day from the Appointed Date.	Please refer Sl. No. 9
112	EPC - Draft Agreement	Pg - cxliv	Sch - K, Cl. 3	Agency for conducting Tests All Tests set forth in this Schedule-K shall be conducted by the Authority's Engineer or such other agency or person as it may specify in consultation with the Authority.	The bidder understands that the Arrangement and/or carrying out of Test and Cost of all test on completion shall be borne by Authority. Please Confirm.	No Change, Tender Conditions prevail.
113	EPC - Draft Agreement	Pg - cxlii	Sch - M, Cl. 2.2	Payment Reduction for Non-Compliance The amount to be deducted from monthly lump-sum payment for non-compliance of particular item shall be calculated as under: $R = (P/100 \times M \times L)/L$ For any Defect in a part of one kilometer, the non-conforming length shall be taken as one kilometer.	The bidder understands the referred tender provision shall not be applicable to the present scope to work under the tender document. Hence the bidder requests the Authority to delete the referred provision from tender documents. Please Confirm.	No Change, Tender Conditions prevail.
114	General			Service Tax and Labour Cost	Kindly confirm whether bidder's quote shall exclude the Service Tax and Labour Cost	Please refer Sl. No. 19
115	General			Contractor's Entitlement for Suspension of Work	The bidder requests for incorporation of suitable provision under which contractor shall be entitled for suspension of work in the event Release of payment towards contractor's, running account bill is delayed by more than 21 day from the time stipulated in the Article 19.5 of Draft Agreement under Bid Document.	No Change, Tender Conditions prevail.

Capacity Augmentation of National Waterway – 1 (CANW-1) - Construction of Multimodal IWT Terminal at Varanasi, Uttar Pradesh on EPC basis

QUERIES RAISED BY BIDDERS IN THE PREBID MEETING

Date of Prebid Meeting: 12th AUGUST 2015 at 11:30 Hrs

Sl No.	Volume	Page No.	Clause	As per document	Query	Clarification
116	General			Substantial Divergence	In View of nature of the project, the bidder requests the Authority to add the referred clause as per below In the event the soil and sub-surface conditions actually encountered at Site be substantially different from those provided in the Tender Documents including tender data, background information etc., and the Contractor has incurred additional cost thereof, the Contract Price shall be adjusted accordingly with such amount of additional cost.	No Change, Tender Conditions prevail.
117	General			Land for Labour Camp/Site Establishment	The bidder requests the Authority for allotment of encumbrance free land for site establishment and labour camp at no cost to the Contractor within a proximity of the proposed Project Site.	No Change, Tender Conditions prevail.
118	General			Working Hours	Please provide the details of permitted working hours and number of local holidays per calendar year.	As directed by the Authority Engineer.
119	General			Deviations	Kindly confirm whether the bidder is allowed to deviate Techno-commercial terms.	No Change, Tender Conditions prevail.
120	General			Disposal Area for Unsuitable Materials & Trees	The bidder understands that in the event disposal to be done outside the premises as directed by the Authority/Engineer then the contractor shall entitled for a) an extension of time b) cost of additional lead c) overheads & profit as mutually agreed	As directed by the Authority Engineer.
121	General			Time for Further Pre-bid Queries	The bidder requests the Authority to allow the bidders to raise further pre-bid queries upto 7 days from the date of scheduled pre-bid meeting i.e. upto 19.08.2015 Please Confirm	No Change, Tender Conditions prevail.
122	Soil report - Cl 6.0 & Tender document t Vol-II		cl 2.1.4.1		As per soil report the maximum scouring level is +47.8m (RL), which is 26.5m below the HFL (RL +73.9m), whereas is tender document Vol -II, the minimum scouring depth mentioned as 30.8m below the HFL, please inform the mean scouring depth (d _{mean}) from HFL to be considered in design.	The contractor shall have to calculate the scour depth from the data available in the MEACON report attached.
123	Tender drawing -		EPIL-MMT-C-202		Bidder presumes that for well and bore cast in situ pile maximum scouring depth shall be considered as 1.27d _{max} . Please confirm.	Tender Conditions prevail.
124	General				Is there any flexibility that contractor may go for a new scheme keeping the jetty size , tender c/c distance and bollard c/c same as given in tender drawing/document? Please confirm.	please refer Sl. No. 6
125	Tender document t Vol-II		cl 2.1.3		Design bed level mentioned as +3.5m. Is it the level in RL ? What is the relation of this level with respect to Deck top level (+75m RL). Please confirm.	please refer Sl. No. 25
126	General				Contractor presume there is no reverse flow of water current and there is no tidal variation in jetty area, please confirm. Please provide monthly record of average water level.	Please refer MEACON report attached here.
127	Tender drawing -		EPIL-MMT-C-211		Bottom level of precast foundation block not shown, please provide the level. Bidder presume that for slope stability no scour below the foundation block is to be considered. Please confirm.	The drawings is indicative. Contractor has to design as per the design criteria (Vol II)
128	Tender drawing -		EPIL-MMT-C-302 and 247		Please provide the plinth level of substation and Amenity building in RL or provide the internal Road top in RL.	Plinth Level shall be 600 mm above the formation Level i.e. 75.6 RL.
129	Tender document t Vol-II and Tender drawing		cl 1.2.7 and EPIL-MMT-C-246		In the document two types of roads are indicated i.e. type R1 (22m) and type R2 (12m). But in the drawing only 12 m width road is indicated. If 22.0m width road is there please provide the detail of road.	please refer Sl. No. 21
130	Tender document t Vol-II		cl 2.1.4.1		Please provide the load details of 50 T lifting capacity mobile crane.	Please refer Annexure 1 & Annexure 2 attached here.
131	Tender document t Vol-II		cl 2.1.4.1		Whether any other mobile harbour crane except 50 t lifting capacity mobile crane to be considered? If so, Please provide the load details of the same.	Please refer Annexure 1 & Annexure 2 attached here.
132	Tender document t Vol-II		cl 2.1.4.1 , Rail Mounted Crane		Please provide the horizontal load of the Rail Mounted Crane.	Please refer Annexure 1 & Annexure 2 attached here.
133	Tender document t Vol-II		cl 2.1.4.2		We understand that the load combination will be as per the code specified. If any other combination to be considered that may be specified now.	please refer Sl. No. 32
134	Tender document t Vol-II		cl 2.1.6.3		As per the environmental load the Response reduction factor is equal to 3. Hence no ductile detailing is required. Please confirm.	Tender conditions prevail. No ductile detailing required.
135	Tender document t Vol-II		cl 2.1.5.1		Factor of safety for slope stability analysis should be 1.1 for seismic load case and 1.3 for non seismic load case. Please confirm.	please refer Sl. No. 34
136	Tender document t Vol-II		cl 2.1.4.4		Long term crack width limit is 0.1mm, please specify the design load combination for this criteria.	please refer Sl. No. 24
137	Tender document t Vol-II		cl 2.1.4.1- Berthing load		Approach velocity clearly not specified, please confirm the approach velocity.	Please refer MEACON report attached here.
138	Tender document t Vol-II		cl 2.1.7- Model study		Please confirm which type of model study is required computer simulation model study or physical model study ? for model study please provide the cross section of river , bed material and sediment load for 15km upstream and 15km down stream part of proposed structure.	please refer Sl. No. 23
139	Tender drawing -		EPIL-MMT-C-201 (sheet 3 of 3)		The expansion gap shown at mid part of jetty , in this case the long beams shall be discontinuous at this location , practically it is not possible , please clarify.	Max. spacing of the Expansion joint is 100m. The bidder can place the expansion according to there design requirements.
140	General				Please provide the auto cad drawings	PDF drawings are sufficient for bidding purpose.
141	General				Please provide following details for the supply of suitable mobile harbour crane 1. Maximum beam of vessel/barges 2. Size of hatch opening 3. What would be the density of bulk material to be handled 4. Do we also need to handle containers? If yes size of containers to be handled i.e. 40 feet or 45 feet 5. Slewing angle i.e. after unloading from the vessel, the crane has to unload on the jetty/ hopper at its side (90 deg) or back of the crane (180 deg) or in between 6. Hoisting height 7. Distance from center of outrigger pad to quay edge 8. Details / layout of jetty design 9. Allowable load on jetty 10. Expected turnover per day (with one crane)	Please refer the MEACON report attached here.
142	General				Kindly provide the relation between chart datum(indicated in bathymetry) and the Reduced Levels(indicated in GAD & Geotech Report & Topo Survey)	Ref. of drawing no. EPIL-MMT-GEN-101(Hydrographical survey map). Depth of river bed marked on drawing from water level of River as on date 05.06.2014. RL of water level of River on date 05.06.2014 was 59.43 metre.
143	II	2-12	Clause 2.1.7	Design Criteria-Model Study	Request client to carry out the required model studies and the report may be provided. This work will create unnecessary delay for progress of construction work.	Please follow clause no. 2.1.7 of Volume II. Mathematical model study shall be carried out. Physical modal study would take a very long time and the same shall be ruled out.
144	II	4-167	Clause 4.21.2	Specifications-Civil- Fenders	The fender type AN1000 E1.0 is inadequate for the berthing energy calculated as per the conditions given in Cl 2.1.4.1. Berthing Loads. Kindly confirm if twin cone/cell fenders with frontal pad arrangement may be used.	The fenders to be arch Fenders only.
145	II	4-176	Clause 4.21.9	Specifications-Civil- Expansion Joint	Please confirm if Expansion Joint at every 100 m length of Berth is mandatory.	The Bidder is free to change the spacing of the expansion joint. The max. Spacing of the expansion joint to be 100 m.