



**OFFICE OF THE SUPERINTENDING ENGINEER (GAP)**  
**KOLKATA METROPOLITAN WATER AND SANITATION AUTHORITY**  
 34 A & B Sashi Bhusan Dey Street, Kolkata - 700 012.

No.SE (GAP)/2W-27/14-15/337

Date: 30.12.2015

**Pre - Bid Queries and Replies of Barrackpore MWW (EAP) Project**

**Name of Work:**

**(i) DESIGN AND BUILD TWO NOS. SEWAGE TREATMENT PLANTS OF INSTALLED CAPACITY 18 MLD AND 6 MLD INCLUDING ALL APPURTENANT STRUCTURES & ALLIED WORKS; (ii) SURVEY, REVIEW THE DESIGNS, RE-DESIGN WHERE NECESSARY, AND BUILD NEW UNDERGROUND SEWERAGE NETWORK OF ABOUT 247 KM LENGTH INCLUDING SURVEY, DESIGN, CONSTRUCTION OF 12 No. PUMPING STATIONS INCLUDING ALL APPURTENANT STRUCTURES & ALLIED WORKS; AND (iii) OPERATION & MAINTENANCE OF THE COMPLETE WORKS OF SEWAGE TREATMENT PLANT, SEWERAGE NETWORK AND PUMPING STATIONS FOR A PERIOD OF 10 YEARS IN BARRACKPORE MUNICIPAL TOWN, WEST BENGAL, INDIA.**

**ICB Package No.: SE (GAP) / 3T-1 / 10 / 287      Date:28.10.2015**

**Tender No. SE(GAP)/T-18 of 2015-16**

Item No.	Section Reference	Page No.	Section or Article or clause No.	Title	Tender Note	Question / Query / Clarification received from bidders	Response from KMWSA
1	<b>ESAMP</b>	Pg No. 7	Cl. No. 2.2	<b>Existing Drains &amp; Sewerage system</b>	Currently, the municipal drains are carrying both storm water and waste water from households ..... and which are finally dumped into the drains.	Bidder requires information whether these existing drains shall have to be filled up & closed after completion of house network connections or they shall be kept as it is. If the drains has to be filled up no item for executing the same is available in the BOQ. <b>PLEASE INFORM .</b>	It is beyond the scope of the work of this Bid Document.
2		Pg No. 42	ITB 3.4 (a)	<b>EMD BG</b>	Amount of Bid Security: Rs. 22 million (Rupees twenty two million) or US\$ 0.37 million or an equivalent amount in a freely convertible currency.	Bidder understands that the EMD BG shall be drawn in favour of : Superintending Engineer, GAP, Kolkata Metropolitan Water and Sanitation Authority, 34 A & B Sashi Bhusan Dey Street, 1st Floor, Kolkata – 700012. West Bengal, India. <b>PLEASE CONFIRM.</b>	Refer Clause: 14 of Detailed NIT. Bid Security of the specified amount specified should be drawn in favour of 'Kolkata Metropolitan Water and Sanitation Authority'.
3	<b>BID DATA SHEET</b>	Pg No. 43	ITB 3.11 B (1) & (4)	<b>PRICE ADJUSTMENT / ESCALATION</b>	The Design-Build prices quoted by the bidder for STP i.e. Part A & Part D of the Bid Prices shall be subject to price adjustment. Price adjustment, if applicable, shall be carried out in accordance with Schedule 8.	Considering the fact that the period of O&M being 10 years & the present market being so volatile, bidder requests to allow for suitable price escalation during this tenure also. <b>PLEASE ACCEPT.</b>	Please refer Section 8.1 of Schedule 6- Terms and Procedure of Payment wherein it is stated that "O&M prices shall be subject to adjustment on account of variation in the Electricity Tariff during the O&M period with reference to 'Base Rate of Electricity Tariff' specified at the time of invitation of bids, namely INR 8/- per KWh. The said adjustment shall be determined on the basis of the actual electricity consumption and the Tariff evidenced by the Electricity bills paid by the Operator to the Electricity Utility Company...."
4		Pg No. 44 & Pg No. 350	ITB 6.5 & SCC 19	<b>PERFORMANCE SECURITY</b>	Amount of Performance Security: 10 % of the total Contract Price including O&M of 10 years. ....	Generally such kind of high valued guarantees issued by the banks are provided validity for about 3-4 years & revalidated from time to time as per requirement. Hence, bidder understands that the initial Performance Security for an amount equal to 10% of the Design-Build price valid for the contract period of 36 months (03 years) & a new Performance BG for an amount equal to 10% of the total O&M price valid initially for 03 years which is to be further extended from time to time can be provided by the successful bidder. <b>PLEASE PROVIDE YOUR CONSENT.</b>	Performance Security Clause has been modified. Please refer to Sl. No.- 5 & 6 of Corrigendum 2.
5		Pg No. 248	Annexure A- Part d		This guarantee shall expire no later than the earlier of: (a) six months after the End Date, as defined in the Contract; or (b) six months after the date of termination of the Contract pursuant to its terms.		
6		Pg No. 43	ITB 2.9(a), 2.2(c), 2.3(a), 2.4, 2.9(b)	<b>WORK COMPLETION PERIOD</b>	(o)Completion of Sewerage Network including pumping stations: 36 (Thirty Six) months from the date of award of contract.	We understand that Work completion period of 36 months is Excluding Trial run of 3 months. Please confirm the same.	Bid Condition prevails. 36 (thirty six) months of completion period is including of Trial run of 03 (three) months.

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				<b>PRICE SCHEDULE</b>			
7	<b>PRICE SCHEDULE</b>	Pg No. 72 83	TABLE AB9	<b>SEWERAGE NETWORK</b>	Length of Roads	The sewer laying works being defined in composite items, bidder requests to provide information about the lengths & widths of various types of roads where the works are to be carried out which in turn shall facilitate all bidders to a precise cost estimate. <b>PLEASE PROVIDE.</b>	Bidders are requested to visit the site and gather those data.
8		Pg No. 81 83	Item Nos. 3.1 & 3.2	<b>SEWERAGE NETWORK</b>	Laying of 600 / 450mm ID (etc.) 12mm wall thickness ms pipe Conduit 50m in length by HDD Method including laying of	Bidder requires clarification on whether there are any particular reasons for carrying out such small lengths of work in HDD method. Also if other modes of trenchless works can be considered by the bidder depending on site conditions. <b>PLEASE CLARIFY.</b>	Yes with adequate justification and after approval of Engineer in charge.
				<b>ANNEXURE A TO THE BID DOCUMENTS - FORMS</b>			
				<b>BOQ</b>			
9				<b>BOQ</b>		Please provide the soft copy of BOQ in excel format.	Can not be entertained.
10	<b>Annexure A</b>	Pg No. 63	Table Ab3	<b>PAYMENT AGAINST THRESHOLD SEWAGE FLOW 5 MLD</b>	Annual O & M Price for treatment of Threshold Sewage Flow of 5.5 MLD & 1.8 MLD	We understand that in case threshold sewage flow falls below 5.5 MLD & 1.89 MLD during O&M period, there would not be any deduction in payment. KMDA will provide amount quoted for 5.5 & 1.8 MLD Flow as per Price Bid. <b>PLEASE CONFIRM</b>	Bid Condition prevails. If flow falls below threshold flow, bidder will still be paid for the threshold flow.
11		Pg No. 69	Table Ab7/ Sl. No. A3	<b>Relocation of Utilities</b>	To be quoted separately which shall be derived from Table Ab9.	Cost for relocation of utilities is to be quoted within the composite item for pipe laying & cannot be derived separately. Hence, bidder requests to delete Sl. No. A3.	Accepted. The item Sl. No. A3 is hereby deleted. Please refer Sl No.- 7 of Corrigendum-2.
12	<b>Annexure A - Part a Information Form (5A)</b>	Pg No. 249 & 269	CV	<b>INFORMATION FORMS</b>	FORMAT OF CURRICULUM VITAE (CV) FOR PROPOSED KEY STAFF / CANDIDATE SUMMARY	Two types of CV formats are provided in the bid documents. Bidder requests to allow submission of Curriculum Vitae for proposed manpower organisation for this project in a single format as per Information Form 5A. <b>PLEASE ALLOW.</b>	Not accepted. Bid Condition prevails.
13	<b>Annexure A - Part j</b>	Pg No. 271-272	Declaration regarding customs/ excise duty exemption		Declaration regarding customs/excise duty exemption for materials to be purchased for use in setting up the facility	For obtaining the ED Exemption certificate, quantity for each item is essential but price / value for the commodities are not required. Hence, bidder requests to delete the "Value" column from the proforma as provided in this form. <b>PLEASE DELETE.</b>	Not accepted. Bid Condition prevails.
					4. We agree that no modification to the above list is permitted after bids are opened.	Assessment of final quantities can only be derived after completion of detailed survey, design & approval of construction drawings. During this stage of bidding, Bidder's assessment for quantity of the pipes, manhole covers & frames etc. is derived from the BOQ provided in the bid documents. Hence, bidder presumes that the quantification provided in the BOQ shall not increase under any circumstances. <b>PLEASE CONFIRM.</b>	It can not be guaranteed that the quantification provided in the BOQ will not increase. The quantity for network components may vary and payment will be made on basis of actual quantities. Payment for STP component is on lumpsum basis as quoted by the bidder as the design is in the bidder's scope.
14	<b>- Part h</b>	Pg 253	Section 1 / Cl No. 1.1 / b(2)		For the purpose of assessing some qualification criteria, the qualifications and experience of Sub-Contractors may be included and the specific provisions in this regard are set out in <b>Section Error! Reference source not found.4.</b>	Please provide the Section References.	Refer Detailed NIT clause 4.(b)
			Section 1 / Cl No. 1.2 (2)		Nominated Sub-Contractors and Sub-Consultants only with respect to the experience evaluation as set out in <b>Section Error! Reference</b>		
					1.4 Experience in Construction and Operation and Maintenance of Sewage Treatment Plant and Sewerage Network... (a) The Bidder shall provide evidence that		
					1. It has Designed, developed, built, tested and commissioned at least one Sewage Treatment Plant of 11 MLD capacity of secondary treatment of sewage during the last 7 years preceding the bid submission date.	No change is requested.	Qualification Criteria modified. Please refer Corrigendum-2, Sl. No.-3.

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15	<b>QUALIFICATION CRITERIA - Annexure A</b>	Pg No. 254	Section 1 / Cl No. 1.4	<b>QUALIFICATION CRITERIA</b>	2. The bidder or his nominated sub-contractor has successfully commissioned at least one Sewage Treatment Plant of 11MLD capacity of the same process technology as proposed for this Contract which has been operating successfully (meeting the required performance standards) for a period of	No change is requested.	Qualification Criteria modified. Please refer Corrigendum-2, Sl. No.-3.
					3. The Bidder has the experience in operating and maintaining successfully at least one Sewage Treatment Plant of 11 MLD capacity for secondary treatment of sewage of any process	No change is requested.	Qualification Criteria modified. Please refer Corrigendum-2, Sl. No.-3.
					4. The treatment technology proposed for this contract has been adopted (not necessarily built by the bidder) in at least 3 other locations having similar	No change is requested.	Qualification Criteria modified. Please refer Corrigendum-2, Sl. No.-3.
					5. It has designed, developed, built, tested and commissioned at least one Sewerage Network (including Pumping Stations) of 110 Km Length of Sewerage Network of which 9% should be equal to or above 300 mm during the last 7years preceding the bid submission date.	Bidder requests for the following amendment/change:- "i) It has built, tested and commissioned at least one Sewerage Network of 110 Km Length of Sewerage Network during the last 7 years preceeding the bid submission date. ii) It has designed similar Sewerage Network project (including Pumping Stations) during the last 7years preceeding the bid submission date. However the bidder may satisfy this criteria through its nominated sub-consultant who has the above experience. iii) It has built, tested and commissioned Pumping Stations for sewerage Network during the last 7years preceeding the bid submission date."	Qualification Criteria modified. Please refer Corrigendum-2, Sl. No.-3.
						In this context bidder would also like to draw your kind attention to the previous sewerage tenders for Halisahar & Budge Budge, where changes pertaining to the above related criterias has been modified as under: " Bidders may claim the experience of JV members or their nominated subcontractor to meet the design experience requirement as specified in the bid document." Hence, bidder understands that the same shall also stand for this bid as well. <b>PLEASE CONFIRM.</b>	Qualification Criteria modified. Please refer Corrigendum-2, Sl. No.-3.
					6. It has designed, developed, built, tested and commissioned at least two Sewage Pumping	No change is requested.	
16	<b>QUALIFICATION CRITERIA - Annexure A - Part h</b>	Pg No. 254	Section 1 / Cl No. 1.4	<b>QUALIFICATION CRITERIA</b>	7. It has operated and maintained at least one Sewerage Network (including Pumping stations) of 110 Km length for a period of 1 year during last 7 years.	Bidder requests for the following amendment/change:- " i) It has operated and maintained at least one Sewerage Network of 110 Km length for a period of 1 year during last 7 years. ii) It has operated and maintained Sewerage Pumping stations for a period of 1 year during last 7 years."	Qualification Criteria modified. Please refer Corrigendum-2, Sl. No.-3.
						In this context bidder would also like to draw your kind attention to the previous sewerage tenders for Halisahar & Budge Budge, where the change pertaining to the above related criteria has been modified as under: " It has operated and maintained at least one Sewerage Network of 70/110 Km length and Pumping station for a period of 1 year during last 7 years." Hence, bidder understands that the same shall also stand for this bid as well. <b>PLEASE CONFIRM.</b>	Qualification Criteria modified. Please refer Corrigendum-2, Sl. No.-3.
				<b>SCHEDULE 1: SPECIAL CONDITIONS OF CONTRACTOR</b>			
				<b>Article 2. Contract Term, Timing and Completion</b>			
18		Pg 347	Article 2 / Cl No 11	<b>MAXIMUM LIQUIDATED DAMEGES - DELAY</b>	Clause 2.3.6 (2) – Maximum Liquidated Damages – Delay The Maximum Liquidated Damages – Delay shall be 10 % of the Design-Build price of the Project.	The bidder requests to reduce maximum liquidated damage limit to 5% (five percent) of the Design-Build price of the project. <b>PLEASE CONFIRM</b>	Not accepted . Bid Condition prevails.

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19	SCHEDULE 1: SPECIAL CONDITIONS OF CONTRACTOR	Pg 347	Article 2 / Sl. No. 12 Cl. No. 2.2	<b>Liquidated Damages / Completion Time</b>	27 months	Bidder understands that the Design - build period of the project is 36 months and hence requests to modify Article 2 / Sl. No. 11 and the LD clause in line with the same. <b>PLEASE MODIFY.</b>	About Article 2 / Sl. No. 11: Bid Condition Prevails. Article 2 / Sl. No. 12 has been modified. Please refer Corrigendum-2, Sl.No.-1.
20		Pg 347	Article 2 / Sl. No. 11 Cl. No. 2.3.2 & 2.3.6(1)	<b>Time for Completion</b>	The Time for completion of the Design – Build Services shall be 27months from the Effective Date.		
						<b>Article 4. Obligations of the Owner</b>	
21		Pg 350	Article 5/ Cl No 20	<b>MOBILISATION ADVANCE REPAYMENT</b>	The Mobilization Advance paid to the Operator by the Owner shall be recovered commencing from the date on which the payment to the Operator has reached 20% of the value of Design, Build and Commissioning Services and shall	For smooth cash flow in such a massive project, bidder requests to recover the mobilization advance at the rate of 10% from each bill submitted by the Operator for the payment.... <b>PLEASE ACCEPT</b> Bidder also understands that the Mobilization Advance shall be interest-free. <b>PLEASE CONFIRM.</b>	Request about modification of recovery rate of mobilisation advance is not accepted. However it is confirmed that mobilisation advance is interest-free.
<b>SCHEDULE 3: OPERATION AND MAINTENANCE SERVICES SCHEDULE</b>							

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22		Pg 390	Cl. No 2.1.1 (d)	<b>TESTING OF TREATED WATER SAMPLE</b>	<u>Article 2. Scope of Work</u> Collecting samples of influent and effluent and analyzing & testing them on a daily basis (in house) and getting tests done at weekly basis from West	We understand that cost associated with testing of treated water samples from STP at Bengal Pollution control Laboratory shall be borne by KMDA, <b>PLEASE CONFIRM.</b>	Bid Condition prevails. Cost associated with testing of treated waters samples from STP shall be borne by the operator.
23		Pg 395	Cl No 2.1.2 (II)	<b>COST OF POWER, DIESEL AND CHLORINE</b>	It is to be noted that all costs during the O&M period, excluding the cost of power and chlorine are to be borne by the Operator.	We understand that During 10 Years of O&M period cost of Power, Diesel and Chlorine will be borne by Client. <b>PLEASE CONFIRM</b>	Please refer Sl. No.11 of Corrigendum-2.
24	SCHEDULE 3: OPERATION AND MAINTENANCE SERVICES SCHEDULE	Pg 409	Cl. No. 2.15 / SI No. 1	<b>LIABILITY OF RESTORED ROAD</b>	The Operator shall operate and maintain the Sewage Pumping Station (SPS), Lift Stations and Sewer networks under the Contract complete including the road works (liability of restored portions of roads is limited to 3 years	Clearly there is a mismatch between the said two clauses. Bidder understands that the Liability period / maintenance period for restored road shall be for 02 (Two years). <b>PLEASE CONFIRM .</b>	Refer Article -9 Clause: 27 of Special Condition of Contract, Page No -354. Clause related to Defect Liability Period is deleted. So operator will be responsible for Operation & Maintenance for 10 (ten) years.
		Pg 444	PART-IV ROAD REINSTATEMENT A.Bituminous Roads ... 3. Testing of road after two years maintenance B. Cement Concrete Roads ...4. Testing of road after two years maintenance				
					<u>Scope of Civil works at existing L.S.-I, L.S.-II and M.P.S.:</u>		
25	Sewerage Network Layout and operation sequence	Pg 374	Cl. No. 2.3 (a) (1)	<b>DETAILS OF PUMPING STATIONS</b>	It observed that invert level of proposed sewer network is much deeper than existing sewer network, so the existing sump well and screen chamber / inlet chamber of L.S-I, L.S.-II, LS-Ib MPS1 and MPS2 will not be utilised in the proposed scheme.	Please provide us Invert Level of Sewer Line, Diameter of sewer line, Avg. Ground Level and Soil Bearing capacity of Site for ALL Pumping Stations.	Some indicative data in this regard may be available in the uploaded DPR and the drawings provided during the Pre-bid meeting on 23.11.2015. However Geotechnical Investigation is in the Bidder Scope.
					<b>SCHEDULE 10: TECHNICAL SPECIFICATIONS FOR CONSTRUCTION AND OPERATION AND MAINTENANCE PHASE</b>		
					<u>CIVIL WORKS FOR STP AND SPS</u>		
26	<b>SCHEDULE 10: TECHNICAL SPECIFICATIONS</b>	Pg 479	Cl No. 11.5	<b>OVER HEAD WIRES AND POLES</b>	If the method of operation for the construction requires removal and replacement or protection of any over head wires or poles the operator shall make satisfactory arrangement for such work with the owners of such wires and poles. In this regard Employer will assist the operator in getting approval/permission. However the entire work will be the responsibility of the operator.	The removal and replacement or protection of over head cables or poles is a specialized job. The bidder requests employer to get the job done by any expertise agency and provide work front free from any hindrance free of cost. <b>PLEASE ACCEPT</b>	The request has not been accepted. Bid condition prevails.
27	<b>QNS FOR CONSTRUCTION AND OPERATION AND MAINTENANCE PHASE</b>	Pg 563		<b>REINFORCED CEMENT CONCRETE PIPES</b>	All the Pipes shall be manufactured using Sulphate Resisting cement only.	Sulphate Resistant Cement is not manufactured anywhere in West Bengal & has to be procured from other states like Andhra Pradesh, Gujarat etc. Also standard pipe manufacturing units manufacture the RCC pipes using OPC / PPC / PSC cement delivering the same strength and quality of the product. Hence, bidder requests to allow OPC / PPC / PSC cement & not restrict pipes to be manufactured only with SRC. <b>PLEASE ACCEPT &amp; ALLOW.</b>	In this regard relevant BIS code for manufacturing RCC pipe will be followed.

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28		Pg 582	Cl. No. 4.3	<b>Existing sewerage system Survey</b>	It is anticipated that in the existing sewerage system, leaving the portion executed by OWNER, the system is not maintained properly and the system may not be functioning properly at certain locations. Hence the level survey of the existing sewerage	At this stage of bidding it is difficult for any bidder to assess the details of such existing network. Hence, bidder requests to provide some detailing of the existing system for considering the cost implication of the same in their bids. <b>PLEASE PROVIDE.</b>	Relevant drawings have been provided during Pre-Bid meeting on 23.11.2015. However Some indicative data in this regard may be available in the uploaded DPR also.
<b>GENERAL INFORMATION</b>							
29				<b>Drawings</b>	_____	Please provide related detailed drawings for this project which is not available along with the uploaded Tender documents.	Relevant drawings have been provided during Pre-Bid meeting on 23.11.2015
30		434	Bid Document – Schedule 6 – Terms and Procedure of Payment – Article 1 – Clause 1.1		Mobilisation Advance: Mobilisation advance equal to 10 % of the Design-Build Price as stipulated in the contract shall be paid to the Operator within 7 days of effective date of contract against 'Bank Guarantee for Advance Payment' for the same amount subject to the provisions of this Contract.	We request you to kindly modify the clause as under : "Mobilisation advance equal to 10 % of the Design-Build Price as stipulated in the contract shall be paid to the Operator within 7 days of effective date of contract against 'Bank Guarantee for Advance Payment' on reducing trend as per remaining amount due on Advance paid'	Request not accepted. Bid Condition prevails.
31		44	Bid Document – Instruction to Bidders – Bid Data Sheet – Clause - ITB 6.5		Amount of Performance security: 10 % of the total Contract Price including O&M of 10 years. For this purpose, the total contract price shall be determined as under on the basis of Bid Prices quoted by the bidder in various Parts of Price Schedule: Total Contract Price = Design Build Price for STP as per Part A + Total O & M Price for STP for the 10	To maintain a healthy cash flow and for effective and efficient execution of the project ,we request you to kindly modify the clause as under :  "Amount of Performance Security – Design Build: 5% of the Design Build Price of the project valid upto testing and commissioning of the project facilities. Amount of Performance Security – O & M : 10% of the total O&M price valid upto completion of O&M period.	Request not accepted. Bid Condition prevails.
32		350	Bid Document – Special Conditions of Contract – Article 4 – Clause 5.2 (B)		In the event that the Owner fails to make any payment by its respective due date or within the period of 60 days from the date of submission of monthly statement of claim submitted in accordance with Schedule 6, the Owner shall pay to the Operator interest on the amount of such delayed payment at the rate of 5% annually for local currency and 1%	We request you to kindly amend the clause as under :  "In the event that the Owner fails to make any payment by its respective due date or within the period of 60 days from the date of submission of monthly statement of claim submitted in accordance with Schedule 6, the Owner shall pay to the Operator interest on the amount of such delayed payment at the rate of 200 basis points over State Bank of India PLR annually for local currency and 200 basis points over LIBOR for foreign currency, for the period of delay until payment has been made in full".	Request not accepted. Bid Condition prevails.

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33		23	Bid Document – Instruction to Bidders – Bid Data Sheet – Clause - ITB 3.4I		Technical Section – Part II – Bid Security  Any Bid not accompanied by an acceptable Bid Security shall be rejected by the Owner as being non-responsive. The Bid Security of a joint venture must be in the name of all of the participants in the joint venture submitting the Bid.	We request you to kindly modify the clause as under :  “Any Bid not accompanied by an acceptable Bid Security shall be rejected by the Owner as being non-responsive. The Bid Security of a joint venture must be in the name of any of the participants in the joint venture submitting the Bid”.	Request not accepted. Bid Condition prevails.
34	INVITATION FOR BIDS (IFB)	Page 3 of 631	Technical Clause No. 5 (D)			In clause it is mentioned as "The treatment technology proposed for this contract has been adopted (not necessarily built by the bidder) in at least 3 other locations having similar climatic conditions during last 7 years and that such STPs have been operating successfully (meeting the required performance standards) for a period of minimum 2 years over a period of last 7 years." We request you to dilute above clause for prequalification considering participating foreign company in the bid with a credential of similar capacity of STP worldwide thus cannot be the bottleneck for the condition of similar climatic conditions as stipulated in the tender.	The request is not accepted. Bid condition prevails.
35	Bid Data Sheet	Page 38 of 631	ITB 1.1(e), Land requirement.			We kindly request you to provide plot plan for the same	Please refer to the already uploaded DPR.
36	Bid Data Sheet	Page 40 of 631	ITB2.9(a), 2.2(c), 2.3(a), 2.4, 2.5(b) Deadline for submission of Bids			We kindly request you to extend Bid submission date upto 5th February, 2016.	Bid Submission date has been extended. Please refer Corrigendum-1.
37	Schedule-1: Special conditions of contract	Page 347 of 631	Article-2: Contract Term, timing and completion Cls. No. 10			In clause mentioned as 'the time of completion of the Design - Built - Services shall be 27 months from the effective date'.  The above clause is not matching or having conflict with clause mentioned in BID DATA SHEET (Page no. 24 of 631, Clause No. ITB 3.11a).	Please refer Corrigendum-2, SI No.-1.
38		Page-4	IFB Technical criteria Point No. e		It has designed, developed, built, tested and commissioned at least one Sewerage Network (including Pumping Stations) of 110 Km Length of Sewerage Network of which 9% should be equal to or above 300 mm dia. during the last 7 years preceding the bid submission date.	Please consider the criteria from the Partial complete/ongoing works subject to the fulfilment of the particular quantity completed. Or Please allow the total i.e. 110 KM length of sewerage network should be from two project cumulatively together during last 7 years.	Qualification Criteria modified. Please refer Corrigendum-2, SI. No.-3.
39		Page-4	IFB Technical criteria Point No. g		It has operated and maintained at least one Sewerage Network (including Pumping stations) of 110 Km length for a period of 1 year during last 7 years.	Please allow the D&M of 110 KM length of sewerage network should be from two projects cumulatively for a period of one year during last 7 years.	Qualification Criteria modified. Please refer Corrigendum-2, SI. No.-3.
40		Page-44 & 314	ITB Section reference 6.5 & Cl. 5.5.1 GCC & Cl 19 SCC		Performance Security	Please accept performance security of 10% separately for Design Build price at the time of agreement and for O&M price, 10% O&M cost during commencement of O&M period. Since PBG in all Govt. contract are given only for construction period and one or two years of DLP period. Bank limits are blocked with this for entire period of 10 years O&M. This condition limits the competition and many Bidders are not turning due to this.	Please refer to SI.No.5 & 6 of Corrigendum 2.

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41		Page-434,315,350	Article -1, Cl.1.1, Cl.5.5.2 GCC, Cl-20 SCC		Mobilisation Advance	Please clarify the Mobilisation Advance will be interest free or with interest.	Refer to response of queries of SI No. 21.
42		Page-276	Cl-9.1(2)		Defect Liability Period	Please reduce the Defect Liability period from 24 months to 12 months.	Please refer response of SI. No. 24
43			General		Approved makes list	Please provide approved list vendors list for Civil, UPVC pipes/DWC pipes and Electro-mechanical items.	There is no approved Vendor list.
44		Page-349	Article-5, Cl-5.1(3)		Price Adjustment for O&M Price	Please clarify clearly price adjustment loss is applicable for manpower, Chemicals and other consumables, UDG components, STP components during O&M period. If not kindly provide the same being the O&M period is 10 years.	Request not accepted. Bid Condition prevails.
45		Page-315			Taxes and Duties Service Tax if applicable shall be reimbursed by the Owner against evidence of applicability and payment.	Please clarify whether our quoted rate should be inclusive of service tax or exclusive of service tax.	Bid condition prevails. Please refer Note: B (2) of Page No. 64&65 of Bid Document. Service Tax shall not be included in the prices and the same shall be paid separately by the Owner if applicable against proof of applicability and payment.
46	PRICE SCHEDULE	Pg No. 75-76	TABLE AB9 Item No. 2.3	SEWERAGE NETWORK	Supplying & Laying of sewer line of R. C. C. (Class NP3) Spigot and Socket ended pipe at site including bedding ..... ii. 375 mm dia - 2114 mtr iii. 450 mm dia - 1132 mtr	375 mm and 450mm dia. Pipe are generally not manufactured by most pipe vendors and hence, bidder requests to change the two pipe diameters to 400mm and 500mm respectively which shall be readily available. <b>PLEASE ALLOW &amp; MODIFY.</b>	Related relivent BIS standard related to RCC Pipe will be followed.
47	PRICE SCHEDULE	Pg No. 75 - 77	TABLE AB9 Item No. 3.1	HDD WORKS	3.1) Laying of 600mm ID 12mm wall thickness ms pipe Conduit 50m in length by HDD Method including laying of 300mm ID 8mm thickness MS Pipe carrier within the Conduit 72m length across and under the road.  iii) Supply of 450mm ID 8mm thickness MS pipe and laying the same through 600mm ID casing pipes by HDD method	For HDD works the pipe diameters to be laid within the 600mm ID MS pipe does not match with the supply and consequent items does not match ie. In the main item it is 300mm ID MS pipe while in the subsequent items it is 450mm ID MS pipe. <b>PEASE CLARIFY.</b>	Pipe diameter has been incorporated by the authority after design. Since it is a DBO model Tender hence the bidder has liberty to re-design and change the diameter as per their design after receiving approval from the competent authority.
48	Special Conditions of Contract (SCC)	347 of 631	Article No.2 Contract Term, Timing and Completion Cl. 10			As per the clause the project duration is 27 months, based on the scope involved in the project, the project execution needs minimum period of 36 months.  Kindly consider the project duration as 36 months instead of 27 months.	Accepted, Completion time is 36 months. Please refer Corrigendum-2, SI.No.-1.
49	Special Conditions of Contract (SCC)	347 of 631	Article No.2 Contract Term, Timing and Completion Cl. 11			As per the clause, the maximum amount of Delay Damages for works is 10% of design build price.  We request you to consider it to 5% of the design Build price of the project.	Not accepted. Clause 2.3.6 (2) – Maximum Liquidated Damages – Delay The Maximum Liquidated Damages – Delay shall be 10 % of the Design-Build price of the Project.
50	Special Conditions of Contract (SCC)	350 of 631	Article No. 19 Cl. 19 Performance Security			a) 10% of Design Build contract price of STP and sewerage network in the form of BG during signing of the contract and shall be released after completion of design build period  b) 10% of O&M contract price for STP and sewerage network in the form of BG at the time of start of O&M period and shall be released @ 1% per annum at the respective O&M year end.  Since Banks do not issue B.G.'s for long duration of 2.25 + 10 years as desired currently.	Please refer response to SL. No. 4 & 5.



Item No.	Section Reference	Page No.	Section or Article or clause No.	Title	Tender Note	Question / Query / Clarification received from bidders	Response from KMW&SA
51	Special Conditions of Contract (SCC)	354 of 631	Article No.9			As per tender document in SCC, DLP clause 9.1, The Operator shall be responsible for the repair and maintenance of the STP, Sewerage Network, SPSs and other facilities at his own cost during the O&M period of 10 years We request for deletion of above sentence and replace the clause with the defect liability period as 1 year after commissioning the project.	Not Accepted. The Operator shall be responsible for the repair and maintenance of the STP, Sewerage Network, SPSs and other facilities at his own cost during the O&M period of 10 years as stipulated in Schedule 3 – Operation and Maintenance Services Schedule. Bid condition prevails.
52	Special Conditions of Contract (SCC) Contract price & payment	314 of 631	Article:5 Clause 5.2 Terms of Payment (3)			As per tender document, Payment period is considered as 60 days from the date of submission of monthly statement of claim  We request you to make it within 30 days from the date of submission of monthly submission of claim	Not Accepted. In the event that the Owner fails to make any payment by its respective due date or within the period of 60 days, the Owner shall pay to the Operator interest on the amount of such delayed payment at the rate shown in the SCC and as specified in the SCC for the period of delay until payment has been made in full. Bid condition prevails.
53	Qualification Criteria	254 of 631	Annexure A path h Section. 1 1.4. (a) 1			As per the tender document, The clause (g) is It has Designed, developed, built, tested and commissioned at least one Sewage Treatment Plant of 11 MLD capacity of secondary treatment of sewage during the last 7 years preceding the bid submission date.  We Request for the change the clause as "It has Designed, developed, built, tested and commissioned at least one Sewage Treatment Plant of 10 MLD capacity of secondary treatment of sewage during the last 7 years preceding the bid submission date."	Qualification Criteria modified. Please refer Corrigendum-2, Sl. No.-3.

Item No.	Section Reference	Page No.	Section or Article or clause No.	Title	Tender Note	Question / Query / Clarification received from bidders	Response from KMW&SA
54	Qualification Criteria	254 of 631	Annexure A path h Section. 1 1.4. (a). 2			We request to consider the clause as "The bidder or his nominated sub-contractor has successfully commissioned at least one Sewage Treatment Plant of 10 MLD capacity of the same process technology as proposed for this Contract which has been operating successfully (meeting the required performance standards) for a period of minimum 2 consecutive years over a period of last 7 years "	Qualification Criteria modified. Please refer Corrigendum-2, Sl. No.-3.
55	Qualification Criteria	254 of 631	Annexure A path h Section. 1 1.4. (a). 3			We request to consider the clause as "The Bidder has the experience in operating and maintaining successfully at least one Sewage Treatment Plant of 10 MLD capacity for secondary treatment of sewage of any process technology for a period of 1 year during the last 8 years preceding the bid submission date"	Qualification Criteria modified. Please refer Corrigendum-2, Sl. No.-3.
56	Qualification Criteria	255 of 631	Annexure A path h Section. 1 1.4. (a). 5			We request to consider the clause as "It has designed, developed, built, tested and commissioned at least one Sewerage Network (including Pumping Stations) of 110 Km Length of Sewerage Network of which 9% should be equal to or above 300 mm during the last 8 years preceding the bid submission date"	Qualification Criteria modified. Please refer Corrigendum-2, Sl. No.-3.
57	Qualification Criteria	255 of 631	Annexure A path h Section. 1 1.4. (a). 7			We request to consider the clause as "It has operated and maintained at least one Sewerage Network of 110 Km length and one Pumping station for a period of 1 year during last 7 years"	Qualification Criteria modified. Please refer Corrigendum-2, Sl. No.-3.
58	Price adjustment	439 of 631	Schedule 6			Adjustment for Variation in Electricity Tariff is provided in the Tender clause. We request you to provide Price adjustment clause for Labour and materials also during O&M period since It is quite difficult to predict the Price variation for the O&M duration of 10 years.	Not Accepted. 8.1: Adjustment for Variation in Electricity Tariff O&M prices shall be subject to adjustment on account of variation in the Electricity Tariff during the O&M period with reference to "Base Rate of Electricity Tariff" specified at the time of invitation of bids, namely INR 8/- per KWh. The said adjustment shall be determined on the basis of the actual electricity consumption and the Tariff evidenced by the Electricity bills paid by the Operator to the Electricity Utility Company, subject to the following provisions: (a) Variation shall be limited to the Guaranteed Energy Consumption applicable for the level of effluent treated by STP, and for the level of effluent pumped by the respective SPSS during the quarter. Bid condition prevails.
59	Vol-1	12 & 19	1.1.1 & 3.3. a / Technical Section – Part I – Technical and Staffing Information			"The selected Bidder shall adopt the most appropriate and techno economically feasible treatment process technology & The bidders will be free to offer STP based on a technology of their choice".  Kindly confirm whether the bidder is free to adopt any proven technology or we have to proceed with ASP ( as per IS 8413 – 1982) for both 18 MLD and 6 MLD.	Bidder is free to adopt any proven technology satisfying the requirement of the Bid Document. But the design shall be such that the plan requires minimum land foot print within the total land made available under this contract and also lesser energy and less manpower requirement with full automation for its sustainable and efficient operation and maintenance.
60	Vol-1	20	3.3. a / Technical Section – Part I – Technical and Staffing Information			"Layout of piping between various units and unit bypass for each unit".  Generally bypass is provided stage wise. Hence we would assume that bypass shall be provided at receiving chamber and distribution chamber after removal of screens. Kindly confirm.	The design of STP is in the bidder's scope and the bidder has to decide as appropriate.

Item No.	Section Reference	Page No.	Section or Article or clause No.	Title	Tender Note	Question / Query / Clarification received from bidders	Response from KMW&SA
61	Vol-1	41 & 362	ITB 3.3(f)(2)(ii)(b) / Bid Datasheet & 13.1.2. / Proposed treatment scheme			<p>"Sludge treatment in power generation for operation of STP (if any)".</p> <p>&amp; Provisions for power generation units(if power generation is found feasible), engine rooms with gas engines and accessories.</p> <p>Please confirm whether power generation is mandatory or bidder is free to design the treatment scheme.</p>	Power Generation is not mandatory and bidder is free to design the treatment scheme.
62	Vol-1	368	13.3. / Sewage Treatment Plant Layout and operation sequence			<p>"There is an existing STP of 6.5 MLD based on WSP technology which is not functioning".</p> <p>Please provide the layout consisting of various units in the existing 6.5 MLD STP (WSP Technology).</p>	<p>Existing WSP is of 1 MLD capacity relevant drawing have been provided during Pre-Bid Meeting on 23.11.2015</p> <p>List of Drawing:</p> <p>1. STP Drawings:</p> <p>a) Hydraulic Flow 6 MLD STP SBR</p> <p>b) Hydraulic Flow 18 MLD STP SBR</p> <p>c) P &amp; I OF 6 MLD STP SBR.</p> <p>d) LAYOUT PLAN FOR 18MLD STP</p> <p>e) P &amp; I OF 18 MLD STP SBR.</p> <p>f) REVISED LAYOUT OF 6 MLD</p> <p>2. Sewer Layout Drawings:</p> <p>a) Sewer layout Drawings consisting of 17 sheets.</p>
63	Vol-1	361	13/Design Services/13.1.1			<p>"The indicative influent parameters to be considered for design shall be as mentioned below for domestic sewage".</p> <p>The values of various inlet parameters are given in ranges (Lower and higher values), kindly provide a specific value of each parameter for design. Whether Average value or highest value is to be considered for design. Please confirm.</p>	Bid condition prevails. Bidder may examine the same for getting a specific value of each parameter for design. However for design purpose average value may be considered with a provision to treat the sewage having the parameters of highest value.
64	Vol-1	33 & 41	5.6/ Price Evaluation and Comparison of Bids & ITB 3.3(f)(2)(ii)(b)			<p>"Cost of land requirement for STP indicated by the bidder and as determined in accordance with ITB Section 3.3(c)".</p> <p>&amp;</p> <p>"Campus development work".</p> <p>Please clarify whether non-technical buildings, open area, gardens, roads and drains inside the STP area also considered in land cost evaluation. Please provide the list of units that will be considered for land cost.</p>	Total STP area for 18 and 6 MLD plant including all units required for proposed technology, Green Belt as per MoEF requirements, testing facility, Administrative Building, gardens , roads, drains, open area, inside the STP and MPS area as per requirements mentioned in the Bid documents shall be considered.
65	Vol-1	430	Treated Effluent Disposal			<p>"The nearest disposal place for effluent is Ruia Khal for STP-I and River Ganga for STP-II. The effluent shall be disposed through pumping above HFL of the drain and the distance Between STP-I and Ruia Khal is 350 m (approximately)".</p> <p>Disposal of treated wastewater from 18 MLD (STP-I) is mentioned as through pumping at a distance of 350 m. Kindly reconfirm, if it is by pumping only.</p> <p>Also mention the type of disposal (gravity or pumping) to be considered for 6 MLD (STP-II) to River Ganga.</p> <p>Please provide the HFL of Ruiakhal and River Ganga; also provide the NGL and FGL for both 18 MLD and 6 MLD STP.</p>	<p>Yes, for both the cases by pumping only.</p> <p>HFL of the area is 7.94 m GTS.; FGL will be 300 mm above the crest of the contiguous metalled road. NGL is to be verified by the bidder by the reconnaissance survey.</p>
66	Vol-1	43	ITB 3.11 c			<p>"The prevailing electricity tariff referred to as "Base Rate of Electricity Tariff" is Rs. 8/- per KW".</p> <p>We understand that, for evaluation of bid power loading will not be considered; only power guarantee will be considered during O&amp;M period. Kindly confirm.</p>	Bid condition prevails. For bid evaluation , cost of energy per MLD of sewage pumped (Guaranteed Energy consumption per MLD x Base Rate of Electricity Tariff) be considered. Cost of energy is to be quoted based on the indicative sewage flow for the purpose of Bid evaluation only.

Item No.	Section Reference	Page No.	Section or Article or clause No.	Title	Tender Note	Question / Query / Clarification received from bidders	Response from KMW&SA
67	Vol-1	41 & 430	ITB 3.3 b & Sludge Disposal			<p>"Distance of location of sludge disposal from STP: 0.5 Km (approx.)".</p> <p>&amp;</p> <p>"BARRACKPORE Municipal Solid Waste Disposal Ground where the sludge will be discharged it is near about. 5 km (approx.) from STP site or sludge will be used in nearest brick field of the Municipality".</p> <p>Distance of Sludge disposal mentioned is mis-matching (0.5 km &amp; 5 Km). Please specify the distance that has to be considered for sludge disposal from both STP's (18 MLD and 6 MLD) since both STP's are located at different locations.</p>	For STP -1 the said distance is 0.5 KM and for STP-2 the same is 5 KM. However the bidder should check the distance before quoting.
68	Vol -1	396	2.1.3. / Treated Sludge Disposal			<p>"The sludge generated from the STP shall be disposed of through proper approved means of transport to the Compost yard site as designated by the Owner".</p> <p>Please confirm the consistency of the sludge to be achieved before disposal. Please clarify whether the sludge from STP has to be sent to compost yard for stabilization.</p>	Bid condition prevails. Sludge should be stabilised before disposal.
69	Vol -1	362	13.1.1/ Design & Engineering			<p>"Sufficient land is available in the existing STP (drawing is attached in Vol – II)"</p> <p>We could not find the volume 2 – Kindly provide the same.</p>	<p>Relevant drawings have been provided during Pre-Bid meeting on 23.11.2015</p> <p>List of Drawing:</p> <ol style="list-style-type: none"> <li>1. STP Drawings: <ul style="list-style-type: none"> <li>a) Hydraulic Flow 6 MLD STP SBR</li> <li>b) Hydraulic Flow 18 MLD STP SBR</li> <li>c) P &amp; I OF 6 MLD STP SBR.</li> <li>d) LAYOUT PLAN FOR 18MLD STP</li> <li>e) P &amp; I OF 18 MLD STP SBR.</li> <li>f) REVISED LAYOUT OF 6 MLD</li> </ul> </li> <li>2. Sewer Layout Drawings: <ul style="list-style-type: none"> <li>a) Sewer layout Drawings consisting of 17 sheets.</li> </ul> </li> <li>3. L – Section of Sewer Network consisting 7 sheets.</li> </ol>
70	Vol -1	364	13.1.4. / Provision of Modular Construction for Sewage Treatment Plants			<p>"The minimum number of modules or treatment trains and the minimum number of each unit process component required shall be provided to facilitate O &amp; M".</p> <p>Please confirm whether bidder is flexible to assume number of Working &amp; Standby units.</p>	Since it is a DBO project, the bidder has a flexibility to decide.
71	Vol -1	369	13.3./ Sewage Treatment Plant Layout and operation sequence			<p>"Design shall be such that the plant requires minimum land foot print within the total land made available under this contract and also lesser energy and less manpower requirement with full automation for its sustainable and efficient operation &amp; maintenance".</p> <p>We presume that Level of Automation shall be as per bidder and its process envisaged for this tender. Kindly confirm.</p>	Bid Condition prevails. It is the DBO model work. Technology proposed and its details design is in the bidders scope. Following the appropriate BIS standards (Latest Edition). But design shall be such that the plan requires minimum land foot print within the total land made available under this contract and also lesser energy and less manpower requirement with full automation for its sustainable and efficient operation and maintenance.
72	Vol -1	503 & 458	13.2.3 / General Mechanical Equipments & Technical specification for STP			<p>"General Mechanical Equipments "</p> <p>UV Disinfection system is mentioned (Page 503), whereas in the NIT Page 458, IS codes 10553 (Part I, II, III) specified is about chlorination. Please let us know the method to be adopted for disinfection.</p>	Bid Condition prevails. It is the DBO model work. Technology proposed and its details design is in the bidders scope. But for design purpose, operator shall be responsible to follow the appropriate BIS standards (Latest Edition).
73	Vol-1	364	13.1.6. / Flow Measurement			<p>"All pumps shall be provided with flow meters".</p> <p>We assume that Electromagnetic flowmeter will be provided at the common headers of all the pumps and air blowers in the STP. Kindly confirm.</p>	Bid condition prevails. Bidders are requested to follow the flow measuring system requirement mentioned in the Price Bid. (Refer Page No. 127,139 .....etc.)
74	General					<p>Please provide the list of approved vendors of all electro-mechanical items.</p>	There is no approved vendor list. However all electro-mechanical items should be as per relevant BIS and technical specification mentioned in the Bid Document.

Item No.	Section Reference	Page No.	Section or Article or clause No.	Title	Tender Note	Question / Query / Clarification received from bidders	Response from KMW&SA
75	Vol-1	121	4.11/ Fire Fighting System			<p>Fire Fighting System</p> <p>We understand that firefighting system shall comprise of fire extinguishers (and its accessories) and sand buckets only. And there is no need to provide fire hydrant system. Please confirm.</p>	Refer clause 13.1.2 of page 362 in DBSS. Fire fighting system should include fire extinguisher and sand bucket
76	Vol-1	369	13.3. g / Sewage Treatment Plant Layout and operation sequence			<p>Please mention the minimum plan area required for admin building and Laboratory building?</p>	As per relevant BIS code & CPHEEO manual or CPCB Guideline.
77	Vol-1	383	14.2.10.5c / Protection of the Environment			<p>The Operator shall monitor water quality upstream and downstream of the 18 MLD &amp; 6 MLD STP sites, prior to and throughout the process of construction.</p> <p>Please clarify method of monitoring the water quality upstream and downstream side of STP and also please mention the parameters to be monitored. Please confirm.</p>	As per CPCB guidelines.
78	Vol-1	363	13.1.3.xi / The following general rules shall be followed in arranging the Plant			<p>Sluice gate valves, piping, screens, degritting equipment, aerators and air piping, sludge handling equipment, etc and stairs or ladders and hand railings for access and platforms and walkways shall be designed with Corrosive resistant material.</p> <p>Please provide the MOC of equipments and kindly classify the corrosion resistant materials to be used.</p>	As per relevant latest BIS standard.
79	General	General	General			<p>Please furnish STPs &amp; all PS soil report/borehole details.</p>	Geotechnical investigation is in the bidder scope. However indicative soil report has been uploaded with the DPR.
80	4.1- O &P	476	High flood level			<p>Please furnish high flood level for STPs &amp; all PS location.</p>	HFL of River Ganga at Barrackpore 7.94 m GTS.

Item No.	Section Reference	Page No.	Section or Article or clause No.	Title	Tender Note	Question / Query / Clarification received from bidders	Response from KMW&SA
81	2. Scope of civil at existing pumping station	428	Existing pumping station			Please furnish existing pumping station super structure sizes/drawings.	Relevant drawings have been provided during Pre-Bid meeting on 23.11.2015 List of Drawing: 1. STP Drawings: a) Hydraulic Flow 6 MLD STP SBR, b) Hydraulic Flow 18 MLD STP SBR,c) P & I OF 6 MLD STP SBR. d) LAYOUT PLAN FOR 18MLD STP e) P & I OF 18 MLD STP SBR.,f) REVISED LAYOUT OF 6 MLD 2. Sewer Layout Drawings: a) Sewer layout Drawings consisting of 17 sheets. 3. L – Section of Sewer Network consisting 7 sheets.,4. Miscellaneous 5. Manhole, 6. Pumping Station, 7. Existing details of sewer line laid under GAP( Ph-II) and locations of LS & MPS constructed under GAP(Ph-II). Intending bidders are also requested to physically verify the size and condition of the existing structures before quoting the rate.
82	Existing pumping station & Price schedule scope of works	428 & 84	Discrepancy in scope of work at existing pumping station & price schedule			We understand that LS1, LS 2, LS 1b, MPS 1 & MPS 2 are existing pumping stations. Repair and renovation needs to be executed for all the building of existing lifting station and existing sump well and screen chamber / inlet chamber of above mentioned PS will not be utilised in proposed scheme. But in price schedule Part B - LS1, LS 2 and LS 1b pumping stations substructure (sumpwell, inlet chamber, screen channels, distribution chamber & valve chamber) is in renovation part instead of new construction work of substructure. Please clarify.  Similarly LS 8 & LS 9 newly proposed site work has renovation of LT/ HT panel/ metering room, Transformer room, Diesel Generator Room civil works. Please clarify.	Existing structure should be repaired / renovated / dovetailed with new structures to make them compatible with the design requirement.
83	1.5 Water retaining structures	464	Structural design method			It is mentioned that, All LRS structures and below ground levels structural members shall be designed by uncracked method of design & shear shall be checked by working stress method as per IS 456. However latest BIS 3370: 2009 code is allowing the limiting crackwidth up to 0.2mm. Please confirm whether latest IS 3370 : 2009 limiting crack width method of design is acceptable.	Design of water retaining structure should be governed by IS 3370: 2009
84	General					Please furnish STP layout drawing & ground level.	Please refer to response of query of SI No. 81
85	Barrackpore_Bid Document_Final	Pg.193	Table Ab11- Bill of Quantity for Electricals and Mechanical Works SPS: MPS2			2. Pumping System: Screening system- "Mechanical Fine Bar screens shall be installed at an angle of 40 degrees.." As per good engineering practices, Mechanical coarse bar screens, with 20-50 mm bar spacing, are installed in pumping stations to screen the sewage. As per CPHEEO Mechanical coarse bar screens are installed at an angle of 75-80 deg to horizontal in the screen channel. Kindly confirm if bidder can propose the design as per CPHEEO.	Confirmed Latest CPHEEO standard should be followed.
86	Barrackpore_Bid Document_Final	Pg.195	Table Ab11- Bill of Quantity for Electricals and Mechanical Works SPS: MPS2			2.6 Sluice Valve: CI DF- Sluice Valves are mentioned as manually operated by hand wheel, whereas in General Engineering specifications and practice for Electro-Mechanical Works, it is mentioned to provide electrically actuated Sluice Valves . Please clarify.	It is in the Design -Built scope of the bidder. However requirement specified in the BOQ of the Bid Document satisfying the latest BIS standard should be followed.
87	Barrackpore_Bid Document_Final	Pg.39	Bid Data Sheet- ITB 1.1 (e)			"A Sketch of available land parcels is attached in Volume II." Please provide this Volume II.	Please refer to response of query of SI No. 81
88	Barrackpore_Bid Document_Final		General			Please provide the Ground Level, desired Plinth Level and HFL of the disposal points for STP-1 and STP-2.	Already provided. Please refer to response of query of SI No. 65
89	Barrackpore_Bid Document_Final	Pg.375	For Network- Clause 2.3 Sewerage Network Layout and Operation sequence			Please provide the invert level of the sewer network at the location of MPS-1 and MPS-2.	Please refer to response of query of SI No. 81

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90	Barrackpore_Bid Document_Final	Pg.430	Effluent Disposal			Please provide the distance between STP-II and River Ganga.	Just contiguous to river Ganga.
91	Barrackpore_Bid Document_Final	Pg.430	Effluent Disposal			Please provide the pump type and configuration (Capacity, Number of pumps) for effluent pumping for STP-I and STP-II.	It is a DBO model work hence it is bidder scope. But the Design of pump type and configuration should follow latest BIS standards and technical specifications mentioned in the Bid Document.
92	Barrackpore_Bid Document_Final	Pg.430	Effluent Disposal			Please provide the MOC and class of pipe for Effluent disposal.	It is a DBO model work hence it is bidder scope satisfying the latest BIS standard.
93	General					Please provide the Layout and General Arrangement Drawings of existing MPS-1 and MPS-2.	Please refer to response of query of SI No. 81
94	Barrackpore_Bid Document_Final	Pg.376 and Pg.429	Ductile Iron Pipes			In Page.376, it has been mentioned to provide Ductile Iron (Class K-7) Pipes, whereas in Page.429, Ductile Iron (Class K-9) pipes have been asked in the proposed scheme. Please clarify about the class of Ductile Iron pipes.	The class of Ductile Iron Pipe shall be considered DI (K-9).
95	Barrackpore_Bid Document_Final	Pg.85 and Pg.92	Table: Bill of Quantities of Civil Works- B. Sewage Pumping Stations			Bidder assumes that all existing structures in MPS-1 and MPS-2 will be demolished and new structures will be constructed for MPS-1 and MPS-2 as per the Table for Bill of Quantities of Civil Works. Please confirm.	It is clearly stated in Design Build Services Schedule of the Bid Document (Pg-360), that The Operator shall propose its own structural design and configuration for SPS and the design will be subject to approval of the owner. It has also been decided to reuse the existing pump house over sump and other building (LS-I, LS-II, LS-Ib M.P.S1.& M.P.S2) constructed under GAP as far as practicable. Therefore the Bidder should try to accommodate the existing structures as far as practicable during design as per the condition of the Bid Document.
96	Barrackpore_Bid Document_Final	Pg.85 and Pg.92	Table: Bill of Quantities of Civil Works- B. Sewage Pumping Stations			The bidder assumes that he can propose to accommodate the panels in a pump house above wet well. Please confirm.	Bidder is free to accommodate the panels as per BIS norm. It may be accommodated above the wet well in a pump house ensuring safety and security.
97	Barrackpore_Bid Document_Final	Pg.430 and 431	Area required for Construction			It is found out that the Estimated Required Area for the Pumping stations mentioned in Page.430 and 431 is not sufficient. Bidder assumes that the estimated required area for pumping stations might change as per design. Please confirm.	It is to be accommodated within the given area.
98	Barrackpore_Bid Document_Final	Pg.499	Overflow from Inlet chamber			For the overflow arrangement, please provide the disposal location, distance of disposal point, level at disposal point, Material of construction for the overflow pipe.	It is in the bidder scope to verify the same as per site condition.
99	Barrackpore_Bid Document_Final	Pg.197	Table Ab11- Bill of Quantity for Electricals and Mechanical Works SPS: MPS2			As mentioned in the table, Bidder assumes that lifting arrangement has to be provided only for pumps in the wet well in the pumping stations. Please confirm.	Yes, Confirmed.
100	Barrackpore_Bid Document_Final	Pg.504	Screening System			"Bye pass arrangement shall be provided on the upstream side, to avoid overflow of the screen channel in case of sudden power failure." Since overflow arrangement is being provided in the Inlet chamber, bye-pass arrangement might not be required in the screen channels. Please clarify regarding this point.	Bid condition prevails. Bye pass arrangement shall be provided as mentioned in the Bid Document.
101	Barrackpore_Bid Document_Final	Pg.504	Screening System			In case bye-pass arrangement has to be provided in the screen channels, please provide the disposal location, distance and level of disposal location, Material of construction of the by-pass pipe.	It is in the bidder scope to verify the same as per site condition.

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102	Bill of Quantities of Civil Works	74 and 79 of 631	Table AB9 S.No 2.2 and 2.6			As per Clause 2.6, the number of house service connections given is 15000. Considering this, the length of 3000 m provided for house connection in clause 2.2 is on lower side. Please Verify and Confirm.	TABLE AB9 SI No. 2.6 has been modified. Please refer SI. No. 4 of Corrigendum- 2.
103	Bill of Quantities of Civil Works	76 of 631	Table AB9 S.No 2.3.ii			As per IS-458, the available sewer diameter for R.C.C pipe is 350mm. Whereas in BOQ 375mm diameter has been mentioned. Please confirm.	Relevant BIS standard should be followed.
104	Bill of Quantities of Civil Works	76 and 77 of 631	Table AB9 S.No 2.4			As per clause 2.4, Brick Masonry rectangular Manhole of Size 900 x 900 mm is provided for depth up to 7m. But as per IS Standard 4111 – Part 1, 900 x 900 mm manhole can be used only up to 1.5 m depth. For higher depths, rectangular/circular manholes of higher size are required. Please confirm and change the BOQ.	TABLE AB9 SI No. 2.4 has been modified. Please refer SI. No. 10 of Corrigendum- 2.
105	Bill of Quantities of Civil Works	78 of 631	Table AB9 S.No 2.5			M-40 Grade Cement concrete has been mentioned in BOQ for RCC Manhole whereas M-30 Grade is specified in Schedule 10, Page 579 of 631, Section no.3.3.1. Please clarify.	It is as per BOQ.
106	Bill of Quantities of Civil Works	77 and 78 of 631	Table AB9 S.No 2.4 and 2.5			As per CPHEEO manual the maximum spacing between manholes should be 30m. Whereas the spacing calculated from the No of manholes provided in BOQ is 65m. Please verify and confirm the no of manholes.	TABLE AB9 SI No. 2.4 has been modified. Please refer SI. No. 4 & 10 of Corrigendum- 2.



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107	Bill of Quantities of Civil Works	81,82 and 83 of 631	Table AB9 S.No 3.1, 3.2			MS pipe carrier has been mentioned in BOQ for HDD method, whereas either R.C.C or DI has been mentioned in Schedule 10, Page 588 of 631, Section no.11.4. Please clarify.	It should be MS pipe carrier .
108	Bill of Quantities of Civil Works	95 of 631	Table AB9 S.No C-1			DI-K7 pipe material has been mentioned in BOQ and technical specification for rising main whereas DI-K9 is provided in Schedule 4, Page 429 of 631. Please confirm.	The class of Ductile Iron Pipe shall be considered DI (K-9).
109	Bill of Quantities of Civil Works	95 of 631	Table AB9 S.No C-1			Rising main – The length of rising mains have been given in BOQ. Please provide the diameter for the corresponding rising mains.	The corresponding diameters of Rising Main for different LS and MPS, as included in the DPR, are given below: i) From LS-1 to sewer line : 350 mm dia., ii) From MPS-1 to STP-I : 450 mm dia. iii) From LS-2 to sewer line : 350 mm dia., iv) From LS-3 to sewer line : 150 mm dia.,v) From LS-4 to sewer line : 250 mm dia., vi) From LS-5 to sewer line : 250 mm dia., vii) From LS-6 to sewer line : 250 mm dia., viii) From LS-7 to sewer line : 250 mm dia., ix) From MPS-2 to STP-II : 300 mm dia., x) From LS-1b to sewer line : 250 mm dia., xi) From LS-8 to sewer line : 150 mm dia., xii) From LS-9 to sewer line : 100 mm dia. However the bidder should verify the diameters while checking the design.
110	Bill of Quantities of Electrical and Mechanical Works	101,112,124,136,148,160,171,183,194 206 and 218 of 631	Table Ab11 S.No A-2.2			Mechanical screen-As per CPHEEO Manual, the angle of inclination for mechanical screen is 75 degree whereas 40 degree has been specified in BOQ. Please verify and confirm.	We confirm that Mechanical screen shall be provided with 75 degree inclination in case of pumping station whereas for STP the inclination shall be 40 degree.
111	Bill of Quantities of Electrical and Mechanical Works	25,137,149,160,172,184,195, 207 and 219 of 631	Table Ab11 S.No A-2.6			Sluice Valve- Manually operated Sluice Valves have been mentioned in BOQ whereas sluice valve with electric actuator has been mentioned in Schedule 10, Page no.500 of 631. Please confirm.	Sluice Valve on delivery pipes of pumps shall be manually operated for lifting station. In case the MPS located inside the MPS premises , then all sluice valve on pump discharge pipe shall be actuator operated for MPS and entire MPS shall be operated through PLS/SCADA used for STP.
112	Bill of Quantities of Electrical and Mechanical Works	102,114,126,138,150,161,173,185,196, 208 and 220 of 631	Table Ab11 S.No A-2.10			MOC for suction and delivery Pipe is specified as CI/DI. Whereas in Schedule 10, Pg No 500 of 631, the MOC of pipe is given as DI. Please Confirm.	It should be considered as DI.
113	Drop Manhole	576 of 631	Schedule 10 S.No 3.4			Please provide the quantity of drop connection in BOQ as mentioned in specification.	Number of expected Drop connection is approximately 150. However exact quantity is to be verified by the Bidder before quoting the rate. However the drop connections are part of sewer network and for this the bidder just has to check the design.
114	General					Please provide the following drawings 1. Barrackpore sewer network layout 2. Location drawing for sewer network constructed by Trenchless technology 3. Existing Sewer Network Drawing 4. Manhole drawing for different sizes 5. House Connection details 6. General Arrangement drawing for all LS and MPS-1 7. Layout of existing pumping stations.	Please refer to response of query of SI No. 81. Relevant drawings have been provided during Pre-Bid meeting on 23.11.2015. However Manhole drawing and house connection pit drawings are to be prepared by the bidder to suite their design requirement.
115	General					Please provide the Existing Sewer pipe material	As mentioned in the uploaded DPR and drawing already provided (Please refer to response of query of SI No. 81).
116	General					The total scope of Network mentioned is as 247 Km. Kindly confirm whether the length of network mentioned is excluding length of existing sewer network.	Existing network has not been considered within the mentioned network as 247 KM .

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117	General					Please provide the following details for all LS and MPS a. Number of pumps at all LS(Working+Standby) b. Incoming sewer invert level & pipe diameter c. Existing Ground Level at all LS d. Finished Ground Level e. Plinth Level	In LS and MPS all pump shall be same rated capacity. For the lifting stations and MPS rated capacity of each pump shall be one-fourth times of peak flow rate of design year considered. Head shall be design by the bidder in LS and MPS five Nos. pumps to be provided (4W+1S under peak flow conditions). Relevant drawings have been provided during Pre-Bid meeting on 23.11.2015. Other levels have been provided in the response of the previous queries (Please refer to response of query of SI No. 65).
118	General					Please provide the high flood level to be considered for all LS and MPS-1 area for flood protection.	Already provided in the response of the previous queries (Please refer to response of query of SI No. 65).
119	General					Please provide the length of overflow pipe for all LS and MPS up to discharge location.	It is in the bidders scope.
120	General					Rising main – To calculate the Pump Head please provide the L-Section of rising main for all LS and MPS.	It is in the bidders scope.
121	General					The minimum land area required for pumping station, calculated from the given flow is 20mx15m. Whereas 10mx15m has been given in Schedule 4, Page 429 of 631 which is not sufficient. Please verify and confirm.	It is a DBO model work hence pumping station should be accommodated within the given land area.
122	Design Build Services Schedule (DBSS)	360 of 631	Schedule 2 S.No.12.1 Network-d			Please provide the tentative length and diameter of existing sewer to be refurbished or replaced.	Refurbishment or replacement of existing sewer is not mandatory. However bidder may utilise/dovetail existing sewer as much as possible if it serves the purpose of c/s area and gradient. Relevant drawings have been provided during Pre-Bid meeting on 23.11.2015. Bidders have liberty to dovetail the existing sewer as per their design.
123	Design Build Services Schedule (DBSS)	360 of 631	Schedule 2 S.No.12.1 Network-a			We understand from the DBSS that the vent shaft has to be provided for sewer system. However the same is not included in BOQ. Please confirm.	Since it is a DBO model work bidders are free to adopt the same as per their design and quote their rate accordingly.
124	TABLE AB9 - BILL OF QUANTITIES OF CIVIL WORKS	84 of 631, 86 of 631, 93 of 631, 94 of 631, 95 of 631.	Part B : Sewage Pumping Station			As per mentioned clauses the sewage pumping stations LS-1,LS-2,LS-1b,LS-8,LS-9"Renovation of LT/ HT panel/ metering room, Transformer room, Diesel Generator Room".  Please furnish the dimensions of the existing rooms with SPS names.	Relevant drawings have been provided during Pre-Bid meeting on 23.11.2015 (Please refer to response of query of SI No. 81). Bidders should physically visit and verify from the site condition before quoting their rate.
125	Table Ab11 - Bill of Quantity for Electricals and Mechanicals Works S.P.S	99 of 631, 111 of 631, 122 of 631, 135 of 631, 146 of 631, 158 of 631, 170 of 631	Power Connection			As per mentioned clauses"Obtaining Power Supply connection from nearest WBSDECL source to SPS premises i/c Poles, cables, HT jointing Kit and all associated works as per Technical specifications and direction of EIC".  Please furnish the approximate distance (pumping station wise) between the Sewage Pumping station and nearest WBSDECL source.	Approximate distance between LS and nearest electric post of WBSDECL source: LS-1 = 20 m, LS-1B = 20 m, LS-2 = 10 m, LS-3 = 40 m, LS-4 = 20 m, LS-5 = 150 m, LS-6 = 125 m, LS-7 = 50 m, LS-8 = 125 m, LS-9 = 20 m, STP-1(18 MLD) = 175 m, STP-2 (6MLD) = 30 m. However the distance should be verified by the Bidder before quoting the rate.
126	Schedule-10(Technical specifications for Construction for operation and maintenance phase)	460 of 631	For STP			As per mentioned clause "The bidder should design the STP for 18 MLD and 6 MLD capacity in such way that the capacity of STP extended for another 20 years (i.e. capacity of STP – 21.6 MLD and 7.2 MLD) should be accommodate in the specified area of land allotted for STP which shall be shown in the layout plan / GAD during submission of bid"  Please clarify whether the bidder has to consider the space for future STP capacity in LT switchgear room.	The GA drawing supported by Hydraulic sizing calculation for ultimate flow should be provided

Item No.	Section Reference	Page No.	Section or Article or clause No.	Title	Tender Note	Question / Query / Clarification received from bidders	Response from KMW&SA
127	Table Ab11 - Bill of Quantity for Electricals and Mechanicals Works S.P.S.	99 of 631, 111 of 631, 123 of 631, 135 of 631, 147 of 631, 158 of 631, 170 of 631	Transformer			<p>As per mentioned clause "Transformer of required capacity and including H.T. panel (single panel) with all associated works as per Technical specifications and direction EIC"</p> <p>Based on the above clause we understood that only one transformer is feeding to the system (STP or SPS).We presumed that there is no requirement of standby transformer for the system.</p>	It should be determined as per relevant latest BIS standard if not covered in Detailed technical specification of the Bid Document.
128	General					Please furnish the technical specifications of 11KV HT Panel	Detailed technical specification are to be followed as per provision of the Bid Document. If any technical specifications are not covered in the Bid Document then relevant BIS Codes will be followed.
129	General					Please furnish the technical specifications of bus duct.	Bus bar material of SB switch gear panel shall be Copper and for LT switch gear panel shall be of Aluminium.
130	General					Please furnish the technical specifications of LT 415 V switchgear.	Detailed technical specification are to be followed as per provision of the Bid Document. If any technical specifications are not covered in the Bid Document then relevant BIS Codes will be followed.

Item No.	Section Reference	Page No.	Section or Article or clause No.	Title	Tender Note	Question / Query / Clarification received from bidders	Response from KMW&SA
131	General					Please furnish the Motor starter classification for selection of starters for motors.	Detailed technical specification are to be followed as per provision of the Bid Document. If any technical specifications are not covered in the Bid Document then relevant BIS Codes will be followed.
132	General					Please furnish the fault level & duration for 11 KV & 415 V systems.	The fault level of incoming 11 KV power source shall be 25 KA (r.m.s.). Other relevant data should be collected by the bidder from the utility service provider.
133	General					In contract no where mentioned that regarding power factor improvement of the sewerage treatment plant, Sewage pumping station. We presumed that the power factor maintained overall the Sewage Treatment Plant/SPS is 0.95. Kindly confirm.	Station power factor shall be maintained within the range 0.95 - 0.98.
134	General		Instrumentation and Automation Scope			Kindly specify the Instrumentation and Automation scope in renovation works of the existing SPS LS-I, LS-II, LS-Ib, MPS-1, MPS-2.	Detailed technical specification are to be followed as per provision of the Bid Document. If any technical specifications are not covered in the Bid Document then relevant BIS Codes will be followed.
135		628	PLC/SCADA for SPS			Kindly clarify if PLC-SCADA system shall be considered for the Sewage Pumping Stations. If required, kindly confirm that designer's standard specifications shall be followed.	Sluice Valve on delivery pipes of pumps shall be manually operated for lifting station. In case the MPS located inside the MPS premises, then all sluice valve on pump discharge pipe shall be actuator operated for MPS and entire MPS shall be operated through PLS/SCADA used for STP.
136	General		Automation and Control for STP			As per the tender, detailed technical specifications for PLC/SCADA systems are not specified. Thus designer's standard specification shall be considered. Please clarify.	Detailed technical specification are to be followed as per provision of the Bid Document. If any technical specifications are not covered in the Bid Document then relevant BIS Codes will be followed.
137	In Annexure A Para-H,	Page-255/631	Section I Qualification Criteria point (1.4) (a)(5)		(5) It has designed, developed, built, tested and commissioned at least one Sewerage Network (including Pumping Stations) of 110 Km Length of Sewerage Network of which 9% should be equal to or above 300 mm during the last 7 years preceding the bid submission date.	1. Kindly consider experience from two works instead of one sewerage network. Because there are very few companies having such a huge length in single work. 2. Kindly accept experience in the last 10 years instead of 7 years. These will invite more bidders with better competition.	Qualification Criteria modified. Please refer Corrigendum-2, Sl. No.-3.
138	In Annexure A Para-H,	Page-255/631	Section I Qualification Criteria point (1.4) (a)(7)		7. It has operated and maintained at least one Sewerage Network (including Pumping stations) of 110 Km length for a period of 1 year during last 7 years.	1. Out sourcing Sewerage network O&M contracts are started recently. 2. Kindly accept experience in the last 10 years instead of 7 years. These will invite more bidders with better competition.	Qualification Criteria modified. Please refer Corrigendum-2, Sl. No.-3.
139	2.1 Qualification Criteria, Section-2. Joint Venture	256/631 of Bid Document			Section 2. JOINT VENTURES 2.1. Qualification Criteria a. One of the Joint Venture partners shall satisfy the criteria specified in Clause 1.4 (a) (1) and the same or other Joint Venture partner(s) shall satisfy the criteria specified in Clause 1.4(a) (3) and Clause 1.4 (a) (5). Each JV partner shall have experience of building	One side you are saying one of the JV partners should satisfy 1.4(a) (1): "Design, build of 11 MLD STP", on the other side you are again saying each JV partner shall have experience of built and commission of STP or Sewerage Network. This is creating ambiguity in understanding. Please clarify, whether one of the JV partners should have built & commission of STP or each JV partner should have STP experience.	Qualification Criteria modified. Please refer Corrigendum-2, Sl. No.-3. There is no change in the Qualification Criteria of JV partners (Clause-2.1, Pg-256 of Bid Document).
140	2.1 Qualification Criteria, Section-2. Joint Venture	256/631 of Bid Document			a. ....Each JV partner shall have experience of building & commissioning either an STP or a Sewerage Network during the last 3 years (i.e. 2011-12 to 2013-14)	1. ...Capacity of STP and length of Sewerage Networks are not mentioned. We presume that JV partner's experience of STP or Sewerage Network need not be as per 1.4(a) and it can be of any size and magnitude. Pls confirm. 2. Kindly let us know, during last 3 yrs means, project should start and commissioned in the last 3 yrs or it should be completed in 3 yrs. Pls clarify and confirm. We presume that it is sufficient if project is completed in the last 3 years irrespective of project start date. 3. Kindly accept for 10 years instead of 3 years.	Qualification Criteria modified. Please refer Corrigendum-2, Sl. No.-3. There is no change in the Qualification Criteria of JV partners (Clause-2.1, Pg-256 of Bid Document).

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141	1.5 ( c) of financial capability	255/631			c. The Bidder's audited balance sheets or, if not required by the laws of the Bidder's country, other financial statements acceptable to the Owner, for the last five years shall be submitted and must demonstrate the current soundness of the Bidder's financial position and indicate its prospective longterm profitability.	We presume that positive Net worth would be sufficient to demonstrate the current soundness of bidders financial position and positive Net worth indicates its prospective long term profitability.  Please clarify and confirm.	Not accepted. a. The Bidder shall demonstrate that it possesses a net worth equivalent to minimum of INR 550 million Cr. or US\$ 9 million in each of the last three financial years preceding the date of submission of bid. b. The Bidder shall demonstrate through a banker's certificate that it has available cash credit facility equivalent to minimum INR 200 million or US \$3.3million as on the date of submission of bid. c. The Bidder's audited balance sheets or, if not required by the laws of the Bidder's country, other financial statements acceptable to the Owner, for the last five years shall be submitted and must demonstrate the current soundness of the Bidder's financial position and indicate its prospective longterm profitability. If deemed necessary by the Owner, the Owner shall have
142	5.5.1. Performance Security	257/631			(4) The Performance Security shall be valid until 180 days after the End Date, or any extension to the End Date.	We presume validity for Performance security BG, Validity Ends date is DBO period i.e. 36 months + 180 days.  Please clarify and confirm.	Performance Security related clause has been modified (Refer Corrigendum - 2). Please refer to response of SI No. 4&5.
143	19. Clause 5.5.1 (2) (a) - Performance Security	304				Kindly accept two separate Performance Securities, (i) 10% on Design-Build scope with validity 180 days after End date of DB period and (ii) 10% on O&M scope with validity 180 days after 10 years O&M period.  Both BGs can be submitted at the time of DB and start of O&M period respectively.  In principle, Banks will not issue BGs for 13 years validity period and it will incur huge bank commission charges for 13 years validity period and lead to project value more.  Kindly accept our request and modify the clause and issue amendment in this regards.	Performance Security related clause has been modified (Refer Corrigendum - 2). Please refer to response of SI No. 4&5.
144	3.4 Technical Section- Part-II Bid Security	23/631 of Bid Document			d. The Owner will return the Bid Securities of the unsuccessful Bidders as promptly as possible, upon the successful Bidder's signing the contract and furnishing the required performance security.	We request you to return the Bid Security BG immediately upon L1 bidders is announced during the bid opening or with in Bid Validity period whichever is early.  Unsuccessful Bidders waiting for BGs till the bid agreement signing by the successful bidder is very difficult. It also observed the time take from the date of bid opening and signing the contract take more time and keeping unsuccessful bidder waiting is not justified.  Extending BG validity more than Bid validity period is attracting more bank commission charges and lead to BG limits exhaust with bankers.	1) Performance Security related clause has been modified (Refer Corrigendum - 2). Please refer to response of SI No. 4&5.  2) However The Owner will return the Bid Securities of the unsuccessful Bidders as promptly as possible, upon the successful Bidder's signing the contract and furnishing the required performance security.
145	1.2 Subcontracting	253 of Bid Document			Nominated Sub-Contractors and Sub-Consultants only with respect to the experience evaluation as set out in Section Error! Reference source not found.4, and only if the Sub-Contractors and Sub-Consultants are nominated for the purpose of this bid.	Kindly inform us the correct text for "Error! Reference source not found.4,"	Refer Detailed NIT clause 4.(b)
146	1.4 of Section 1 Qualification Criteria	254 of Bid Document			For the purpose of demonstrating its experience in accordance with Section 1.4 (a), the Bidder, whether a single entity or a joint venture may claim the experience of its sub-contractors and sub-consultants nominated in the Information Forms for 1.4(a) (2), 1.4(a) (6), and 1.4(a) (7).	We presume that only for 1.4(a) (2), 1.4(a) (6), and 1.4(a) (7), bidder can claim its subcontracts / sub-consultants nominated. But Bidder cannot claim for other criteria other than 1.4(a) (2), 1.4(a) (6), and 1.4(a) (7).  Please clarify and confirm.	Qualification Criteria modified. Please refer Corrigendum-2, SI. No.-3.

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147	Notes B: Annexure A Part b Bidder's Price Schedule	64			2) ..... Service Tax shall not be included in the prices and the same shall be paid separately by the Owner if applicable against proof of applicability and payment,	We presume that Bidder's price is exclusive of service tax both for DBO and O&M services and Service tax if applicable shall be borne by owner only.  Please clarify and confirm.	Bid condition prevails. Please refer Note: B (2) of Page No. 64&65 of Bid Document. Service Tax shall not be included in the prices and the same shall be paid separately by the Owner if applicable against proof of applicability and payment.
148	1.1 Mobilization Advance: Article 1 Terms and Procedure of Payment	434			Mobilisation advance equal to 10 % of the Design-Build Price as stipulated in the contract shall be paid to the Operator within 7 days of effective date of contract against 'Bank Guarantee for Advance Payment' for the same amount subject to the provisions of this Contract.	Kindly provide the Mobilization advance 10% on total contract price, including O&M price as defined in ITB 6.5, page No. 44/631	Not accepted. Mobilisation advance equal to 10 % of the Design-Build Price as stipulated in the contract shall be paid to the Operator. Bid condition prevails.
149	20. Clause 5.5.2 (2) - Advance Payment Security of Article 5: Contract price and Payment	350			..... and shall be recovered at the rate of 15% from each bill submitted by the Operator for the payment.	Kindly recover the Mobilization @ 10% from each bill instead of 15%. Recovery @ 15% will affect cash flow and may lead to slow progress of the project.	Request about modification of recovery rate of mobilisation advance is not accepted. Bid condition prevails.
150	Table Ab15 (1) - price for Operation & maintenance of SPS: LS1 for 10 years	233			Cost of Energy per MLD of sewage pumped (Guaranteed Energy Consumption per MLD x Base Rate of Electricity Tariff.)	We presume that the Cost of Energy per MLD should be multiplied by 365 days for each year.  Please clarify and confirm.	Bid condition prevails. For bid evaluation , cost of energy per MLD of sewage pumped (Guaranteed Energy consumption per MLD x Base Rate of Electricity Tariff) be considered. Cost of energy is to be quoted based on the indicative sewage flow for the purpose of Bid evaluation only.
151	Technical		Clause (b)		The bidder or his nominated sub-contractor has successfully commissioned at least one Sewage Treatment Plant of 11 MLD capacity of the same process technology as proposed for this Contract which has been operating for this Contract which has been operating successfully (meeting all the required performance standards) for a period of minimum 2 consecutive	We request you to please allow memorandum of understanding of Bidder with the technology provider and take international work experience in to consideration under this requirement. Please confirm whether technology provider can be a nominated sub contractor .	Qualification Criteria modified. Please refer Corrigendum-2, SI. No.-3.
152	Technical		Clause (b)		..... has successfully commissioned at least one Sewage Treatment Plant of 11 MLD capacity of the same process technology as proposed for this Contract which has been operating successfully (meeting all the required performance standards) for a period of minimum 2 consecutive years over a period of last 7 years.	We request you to please consider the experience of O&M for 1 year instead of 2 years	Qualification Criteria modified. Please refer Corrigendum-2, SI. No.-3.

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153	Technical		Clause (d)		The treatment technology proposed for this contract has been adopted (not necessarily built by the bidder) in at least 3 other locations having similar climatic conditions during last 7 years and that such STPs have been operating successfully (meeting the required performance standards) for a period of minimum 2 years over a period of last 7 years..	Please clarify what documents are to be submitted in support of the requirement. How the bidders can get data related to performance standard of plant which are not build by bidder .	Performance standard as specified in MoEF guidelines and current CPHEEO Manual. Qualification Criteria modified. Please refer Corrigendum-2, Sl. No.-3.
154	Technical		Clause (e)		It has designed, developed, built, tested and commissioned at least one Sewerage Network (including Pumping Stations) of 110 Km Length of Sewerage Network of which 9% should be equal to or above 300 mm dia. during the last 7 years preceding the bid submission date.	We request you to consider the experience of water pumping stations along with sewerage net work.  For the experience the pipeline laid and testing may be considered instead of commissioning as generally for the pipeline after laying the commissioning of the scheme takes time depending upon the availability of sewage/ water.  The experience of pumping station may be asked separately without linking the same with the main criteria .	Qualification Criteria modified. Please refer Corrigendum-2, Sl. No.-3.
155	Technical		Clause (g)		It has designed, developed, built, tested and commissioned at least two Sewage Pumping Stations during last 7 years preceding the bid submission date.	Request you to consider the experience of water pumping stations also along with sewage pumping stations.  Since the components involved in the sewage pumping station is similar to the water pumping stations , the experience of water pumping station also be considered.	Qualification Criteria modified. Please refer Corrigendum-2, Sl. No.-3.
156	Technical		Clause (h)		It has operated and maintained at least one Sewerage Network (including Pumping stations) of 110 Km length for a period of 1 year during last 7 years.	We request you to consider the experience of water supply scheme/ net work along with sewerage net work for a period of one year.	Qualification Criteria modified. Please refer Corrigendum-2, Sl. No.-3.
157	Section 1 - Qualification Criteria	255	Clause No. 1.4 (a) 7		It has operated and maintained at least one Sewerage Network (including Pumping stations) of 110 Km length for a period of 1 year during last 7 years.	We request you to amend the Clause for O & M of Sewerage Network as "It has operated and maintained at least one Sewerage Network (including Pumping stations) of 110 Km length for a period of 1 year during last 7 years preceding the bid submission date." as the same is also mentioned in the Clause No. 1.4 (a) 3 of Operation and Maintenance of 11 MLD STP	Qualification Criteria modified. Please refer Corrigendum-2, Sl. No.-3.
158	Section 2 - Joint Ventures	256	Clause No. 2.1 (a)		One of the Joint Venture partners shall satisfy the criteria specified in Clause 1.4 (a) (1) and the same or other Joint Venture partner(s) shall satisfy the criteria specified in Clause 1.4(a) (3) and Clause 1.4 (a) (5). Each JV partner shall have experience of building & commissioning either an STP or a Sewerage Network during the last 3 years (i.e. 2011-12 to 2013-14) and	We request you to kindly consider the last 3 Financial Year as 2012-13 to 2014-15) for the referred Clause No. 2.1 (a)	Qualification Criteria modified. Please refer Corrigendum-2, Sl. No.-3.
159			ITB			Please confirm if the price of land is to be considered for STP only or would it include any Pumping Station as well for the Bid Evaluation.	If the MPS or LS is located in the STP campus then only it will be considered for Evaluation of Land Cost.
160		44 of 631	SPECIAL CONDITIONS OF CONTRACT		ITB 6.5: Amount of Performance Security	Please consider the Performance Security as 10% of Contract Price excluding O&M price for 10 years. Performance security for O&M can be submitted separately before the start of O&M. 10 years is a long time and banks are not agreeing to issue BG's for such time period.	Performance Security related clause has been modified (Refer Corrigendum - 2). Please refer to response of Sl No. 4&5.

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161		4 of 631 & 255 of 631	IFB & Annexure A – Part h QUALIFICATION CRITERIA		Technical: (g) It has operated and maintained at least one Sewerage Network (including Pumping stations) of 110 Km length..... for a period of 1 year during last 7 years.	As mentioned in some other sub-clauses of the pre-qualification requirement, we understand that "during last 7 years" means during the last 7 years preceding the bid submission date. Please confirm.	Qualification Criteria modified. Please refer Corrigendum-2, Sl. No.-3.
162		3-4 of 631 & 254-255 of 631	IFB & Annexure A – Part h QUALIFICATION CRITERIA		Sub clauses (b) & (d) / Sub clauses (2) & (4)	(meeting all the required performance standards): We understand that the required performance standards signify the Effluent standards for discharge as given in this tender document. Please confirm.	Performance Standard as specified in MoEF and current CPHEEO Manual.
163		41-42; 353-354; 399; 411-412 of 631	ITB 3.3(h)(4)(ii)(b), 3.3(h)(5)		List of Key Staff to be deployed by the Operator during the Design build services for STP and Sewerage Network..... For O&M services, qualifications and experience of the Key Staff have been specified in Article 2.6 of Schedule 3.....	This list of key staff for Design, Build Services of STP and Sewerage Network as well as O&M personnel for the O&M works of the project appears in multiple places in the tender, such as Pg nos. 49-50; 309-310; 367-368 and 382. Please clarify which requirement is to be considered.	All requirement should be provided.
164		249 of 631	Annexure A - Part e		Format of CV for Proposed Key Staff	There are 2 different formats provided for CV's of proposed key personnel, one in Annexure A-Part e and another in Form (5A). Filling the same data in two formats will make the work repetitive and confusing. We request you to consider the format as per Information Form (5A) only.	CV for both the formats should be filledup and submitted. Bid Condition prevails.
165		269 of 631	Annexure A - Part i Information Forms		Information Form (5A)		
166		260; 264; 265 of 631	Annexure A - Part i Information Forms		Information Form (2), Form (3A) and Form (3B)	It is mentioned in Forms (2), (3A) and (3B) to indicate the "Population served" by the STP/ Sewerage network. We understand that Indian projects go by capacity instead of population served hence providing the capacity of the STP's/ Sewerage network will be enough. Please confirm.	Relevants specified format given in the Bid Document is to be followed.
167	General	General	General		General	The nature of works involved in this tender is huge and diverse and hence would involve a lot of detailed working. The different locations of site need to be re-visited. We need a considerable working time from the receipt of written replies to the queries. Considering the same, we request you to extend the deadline of bid submission by at least 6 weeks from the present date.	Please refer Corrigendum -1.
168		4 of 631 & 255 of 631	IFB & Annexure Part h QUALIFICATION CRITERIA		Technical: (b)The bidder or his nominated sub-contractor has successfully commissioned at least one Sewage Treatment Plant of 11 MLD capacity of the same process technology as proposed for this Contract which has been operating successfully (meeting all the required performance standards) for a period of minimum 2 consecutive yrs.	Considering the similar criteria considered in other contemporary NGRBA tenders like KMDA and BUIDCo, we request you to consider successful operation of the sewage treatment plant for a minimum period of 1 year over the last 7 years preceding the bid submission date. Please confirm.	Qualification Criteria modified. Please refer Corrigendum-2, Sl. No.-3.
169	2	361	13.1.1		Influent parameters for domestic sewage	Kindly clarify what concentration values (lower or upper) should be considered for each parameter for design purpose	Please refer to response of query of SI No - 63.
170	2	361	13.1.1		Influent parameters for domestic sewage	No data is provided for concentration of fecal coliforms. Please provide the same	The data given in DPR which has been handed over at the time of Pre-Bid Meeting.
171	2	362	13.1.1		Sufficient land is available in existing STP (drawing attached in Vol-II)	Volume II was not available to refer the drawing. Kindly provide the same.	Please refer to response of query of SI No. 81. However available land details have been provided in the already uploaded DPR.
172	2	362	13.1.2		v. Provision for power generation units ....	Kindly clarify the feasibility criteria for the provision	Power generation is not mandatory for the bidders.



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173	2	363	13.1.3		vii. Management of environmental impacts...Environmental Management Plan provided in Volume III of this schedule.....	Please clarify whether 'EMP provided in Vol. III' is same as the Tender document titled 'Environmental and Social Assessment and Management Plan for Development of Sewerage System in Barrackpore Municipality under NGRBA'	No.
174	2	364	13.1.8		Sludge handling system- meet the relevant disposal standards	Please clarify which disposal standards to be followed.	Relevant latest standard of MoEF and CPHEEO Manual.
175	2	366	13.1.11		3. the acquisition of all data.....16 MLD STP meets ....	Please clarify whether 16 MLD mentioned is a typographical error.	Yes. Please refer Sl. No. 8 of Corrigendum-2.
176	2	366	13.1.11		4. Preparation of Design .....16 MLD STP to describe.....	Please clarify whether 16 MLD mentioned is a typographical error.	Yes. Please refer Sl. No. 8 of Corrigendum-2.
177	2	368	13.3		b. Design & construction of - 16 MLD STP including....	Please clarify whether 16 MLD mentioned is a typographical error.	Yes. Please refer Sl. No. 9 of Corrigendum-2.
178	3	398	2.2.1		Alternate Output Standards	Output characteristics for BOD mentioned. Please mention the output standards for other parameters	Under adverse condition only BOD will determine the compliance.
179	3	397	2.2		Adverse operating condition	Please clarify whether the tabulated values is relevant to output quality of treated sewage or not.	No.
180	3	397	2.2		Adverse operating condition	Heavy metal concentration tabulated is not catered for in the treatment process. Therefore, heavy metal concentration remains same in raw as well as treated sewage.	Since the Treatment Plant only deal with domestic sewage, Question of heavy metals does not arise.
181	3	398	2.4.1		Treated sludge disposal	Please clarify whether the sludge consistency can be as per bidder's choice	Relevant latest standard of MoEF and CPHEEO Manual.
182	4	430	2		Tabulation : Sufficient land is available in existing STP (drawing attached in Vol-II)	Volume II was not available to refer the drawing. Kindly provide the same.	Please refer to response of query of Sl No - 81. Drawing provided in the Pre-Bid Meeting.
183	4	430	2		Effluent disposal	Treated Effluent to be discharged above HFL. Please mention the HFL for Ruia Khal for STP-I and River Ganga for STP-II	7.94 m GTS
184	4	4,30,431	2		Tabulation showing area details	Please clarify whether it is the land availability details for each SPS & STP	Yes.
185	10	460			Design build services- The bidder should design the STP for 18 MLD & 6 MLD capacity in such a way.....submission of bid	Please clarify whether the layout is to be made for 18 MLD & 6 MLD STP or for 21.6 MLD & 7.2 MLD STP	The bidder should design the STP for 18 MLD and 6 MLD capacity in such way that the capacity of STP extended for another 20 years (i.e. capacity of STP – 21.6 MLD and 7.2 MLD) should be accommodate in the specified area of land allotted for STP which shall be shown in the layout plan / GAD during submission of bid.
186	10	461	1.2.3		Peak factor: As per CPHEEO Manual	The tender provides information regarding peak flow as 1690 m <sup>3</sup> /hr and 565 m <sup>3</sup> /hr in Bid Data Sheet (Instruction to Bidders, pg 37). Please clarify whether to consider peak factor as per CPHEEO manual or design with peak flow provided in Tender.	As per CPHEEO Manual.
187	10	461	1.2.3		Treated Sewage Characteristics	Please clarify whether effluent quality to be considered is that provided in the Tender document (Schedule 2, Cl. 13.1.11, pg 365) or that stipulated by Pollution Control Board	The effluent should fulfill statutory requirements laid down by pollution control boards/latest CPHEEO standards/BIS/MoEF standards for disposal in water bodies and for irrigation.
188					Environmental & Social Assessment & Management Plan	If there arises contradiction between details in EMP and Tender document, please clarify which detail supersedes.	EMP is an integral part of the bid document and in case of any discrepancy the decision of the Owner shall be final.
189	Soil Report				Soil Report of Park Road	Only soil data for Park Road is given, Kindly delineate: 1) Which MPS, LS and STP comes in the vicinity of the Park Road, 2) Kindly provide the Soil data for the STPs as they are in the low lying area. 3) Kindly provide the Soil data for the existing pumping stations and MPS. This data is really required to ascertain the extent of the civil works to be taken for the foundations of the structures.	Indicative Soil data of the area is within the already uploaded DPR. However Detail Geotechnical Investigation is within the Bidder's Scope.
190		361	12.1. d)		Refurbishment or replacement of existing sewerage network in compliance to the conditions as set out in the DBSS.	We have received the existing network route during Pre Bid. Kindly provide the BOQ of the existing network with details like pipe dia , manhole size and inverts (inverts this is very crucial to ascertain the new network).	It is within the already uploaded DPR and within the Existing Network Drawing already provided.

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191	Price Schedule				BOQ	Please provide the soft copy of BOQ in editable excel format. All funded projects like World Bank, JICA, ADB provides the BOQ in soft so that it facilitates the bidder in compiling the price. Even in recent tenders of Rajasthan, WBPHEd, we have received BOQ in excel. Kindly provide the same.	Request cannot be entertained.
192		43	ITB 3.11 b 2& 3.11 b 3		The Threshold Sewage Flow is 5.5 MLD & 1.8 MLD. The threshold sewage flow means the expected level of sewage flow available for treatment immediately on completion of the STP facility	We understand that in case threshold sewage flow falls below 5.5 MLD and 1.8 MLD during O&M period, there would not be any deduction in payment. KMW&SA will provide amount quoted for 5.5 & 1.8 MLD Flow as per Price Bid. PLEASE CONFIRM	Bid Condition prevails. If flow falls below threshold flow, bidder will still be paid for the threshold flow.
193		44	ITB 6.5		Amount of Performance Security: 10 % of the total Contract Price including O&M of 10 years. For this purpose, the total contract price shall be determined as under on the basis of Bid Prices quoted by the bidder in various Parts of Price Schedule: Total Contract Price = Design Build Price for STP as per Part A + Total O & M Price for STP	Based on prevailing banking procedures, banks generally discourages giving guarantees for a tenure of 10 years. Moreover keeping hold the entire 10% of the contract price upto the completion of the 10years O&M will account for a hefty financing cost. Instead we request the following: 1) 10% PBG for the Design & Build portion valid upto 36 months (to be extended if the completion period extends). The PBG for Design & Build portion to be returned to the Contractor after successful commissioning of the plant. 2) 10% of the O&M Value before start of the O&M period after successful commissioning valid for 3 years to be extended from time to time for a total period of 10 years.	Performance Security related clause has been modified (Refer Corrigendum - 2). Please refer to response of SI No. 4&5.
194		560	d. Barricading		The Operator shall Provide, erect and remove casurina pole three tier barricading using poles of 7.50 to 10 cms. Dia. And 1.50m height above ground fixed vertically at intervals of 2.0 to 2.5 mtrs. C/C and horizontally at 0.50 mtrs	From our previous experiences it has been observed that In these type of works, laying of pipes are to be carried out in very narrow lanes / roads and in quick time. Hence, in practice, barricadings are generally carried out using barricading tapes tied to casurina / eucalyptus ballahs / bamboos which are readily available in the market. Bidder requests that wherever required i.e. in busy & important roads, areas where higher dia pipes are to be laid, barricading shall be done using casurina / eucalyptus ballahs / bamboos as specified in the specifications & at other areas barricading to be carried out as mentioned above. PLEASE ACCEPT & ALLOW the same.	Specification as per BOQ/Technical Specification of the Bid Document in this regard should be followed.
195		582	4.3 Existing sewerage system Survey		It is anticipated that in the existing sewerage system, leaving the portion executed by OWNER, the system is not maintained properly and the system may not be functioning properly at certain locations. Hence the level survey of the existing sewerage system executed by the agencies other than OWNER has been included in this tender. It is the intended to retain portion of	No such separate item is available in the BOQ. Also please provide the details of the existing system to be retained including types of manholes, pipe dia, lengths etc. if it has to be considered in the bidder's price bid. PLEASE PROVIDE a separate item for the same in the Price Schedule for facilitating the payment.	Refurbishment or replacement of existing sewer is not mandatory. However bidder may utilise/dovetail existing sewer as much as possible if it serves the purpose of c/s area and gradient. Relevant drawings have been provided during Pre-Bid meeting on 23.11.2015. Bidders have liberty to dovetail the existing sewer as per their design.
196		347	11. Clause 2.3.6 (2) –		Maximum Liquidated Damages – Delay The Maximum Liquidated Damages – Delay shall be 10 % of the Design-Build price of the Project	The bidder requests to reduce maximum liquidated damage limit to 5% (five percent) of the Design-Build price of the project. Kindly note procurement under "IBRD LOANS AND IDA CREDITS & GRANTS BY WORLD BANK BORROWERS" also allows bonus for early completion. If you are not allowing the bonus kindly decrease the LD charges.Or else include a 10% bonus for early completion as per World Bank guidelines.	Request cannot be entertained. Bid Condition prevails.

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197		479	11.5 Overhead Wires and Poles		If the method of operation for the construction requires removal and replacement or protection of any over head wires or poles the operator shall make satisfactory arrangement for such work with the owners of such wires and poles. In this regard Employer will assist the operator in getting approval/permission. However the entire work will be the responsibility of the	The removal and replacement or protection of over head cables or poles is a specialized job. Also, at this stage of bidding it is impossible to assess the quantities of such items. Hence, the bidder requests employer to get the job done by any expertise agency and provide work front free from any hindrance free of cost. Kindly confirm the same. Or else as per world Bank guideline for procurement under "IBRD LOANS AND IDA CREDITS & GRANTS BY WORLD BANK BORROWERS " kindly set aside a <b>provisional fixed sum</b> for the same. It is done in all the funded projects in other states in India and also abroad.	It is the duty of the Bidder to ensure removal and replacement or protection of over head cables. Hence the request cannot be entertained. Bid condition prevails.
198		12	e		e. The Owner named in the Bid Data Sheet shall make available (i) the Right of Way and the land area for the Sewage Treatment Plant and all appurtenant structures up to the area allocated for this facility as indicated in the Bid Data Sheet; and (ii) the Right of Way for the Sewerage Network, and the land area allocated for setting up the Sewage Pumping Station(s)	We believe that as Right of Way will be given by the owner, all necessary permissions from other local bodies like PWD, NH, Railways, electricity, Forest,etc departments (accept the statutory licenses required by contractor for the work) will be made available by KMWSA to the contractor. This practice is carried out in other states like Rajasthan, Gujrat,etc for all funded projects. Kindly confirm the same.	Cannot be entertained. KMW&SA will assist the operator for getting the necessary permissions from other Department like PWD, NH, Railway etc. Department. Bid Condition prevails.
199	10	503	1.2.3		p) DG set for Power back-up	Please clarify whether the power back-up is to be provided for total load or emergency load.	Capacity of DG Set shall be calculated considering the Peak Flow of the station.
200		43, 57			Bid Data Sheet: Threshold Sewage Flow: 5.5 MLD & 1.8 MLD Appendix to Bid: Indicative Flow: Year 1 of operation- 11 MLD & 3.4 MLD	We understand that minimum sewage flow at start of operation is 5.5 MLD and maximum is 11 MLD. Please clarify. If not, please clarify whether 5.5 MLD /11 MLD is to be taken as initial sewage flow to the plant	"Indicative flow for STP" means the rate of sewage flow which is projected by the Owner to be available for treatment in the STP facility for each of the 10 years of the O&M period. For STP-1 indicative flow for the First year is 11.00 MLD whereas Threshold Sewage Flow is 5.5 MLD.
201	2	365	13.1.11		Design responsibilities: Effluent standards tabulation	With reference to temperature parameter, please specify the incoming sewage temperature	Indicative influent parameters have been given in the Bid Document. Detail Investigation in this regard is in the Bidder's Scope.
202	10	499 504			Mechanically raked screens for pumping station Mechanical screens for Sewage pumping station	We believe this screen specification is applicable to Sewage Treatment Plant also. Kindly clarify	Detailed technical specification are to be followed as per provision of the Bid Document. If any technical specifications are not covered in the Bid Document then relevant BIS Codes will be followed.
203	10	458			IS 6279-1971- Grit removal devices	The standard is about specification of grit removal devices. Kindly clarify the type of grit removal device to be adopted.	Detailed technical specification are to be followed as per provision of the Bid Document. If any technical specifications are not covered in the Bid Document then relevant BIS Codes/CPHEEO Manual will be followed.
204		377	2.3 h)		Environmental Management Plan provided in <b>VOLUME –III</b> and recommendations of Environmental and Social Impact Assessment Report of the project, preparation & submission of civil,	Kindly provide the VOLUME-III mentioned here and also in other parts of the Tender docs.	Already uploaded in the specified website.
205		39	ITB 1.1 (e )		The land is located at BARRACKPORE Municipal Town in the State of West Bengal in India. A sketch of the available land parcels is attached in <b>volume II.</b>	Kindly provide the VOLUME-II mentioned here and also in other parts of the Tender docs.	All the related sketches are provided in the already uploaded DPR.
206		315	5.6. Taxes and Duties		Except as otherwise specifically provided in the Contract, the Operator shall bear and pay all taxes, duties, levies and charges...	Any increase or new imposition of taxes and duties & other levies shall be reimbursed at actual Kindly accept and confirm.	Request not accepted. Bid Condition prevails.

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207		315	5.6. Taxes and Duties			Kindly confirm us whether "Exemption" on Excise Duty & Service Tax is available or not.	Except as otherwise specifically provided in the Contract, the Operator shall bear and pay all taxes, duties, levies and charges (the "Taxes") assessed on the Operator, its Sub-contractors or their employees by all municipal, state or national government authorities in connection with the Services in and outside of the Country. Service Tax if applicable shall be reimbursed by the Owner against evidence of applicability and payment. If any tax exemptions, reductions, allowances or privileges and benefits may be available to the Operator in the Country, the same shall be passed on by the operator to the Owner. Bid Condition prevails.
208			General Land			We request your good selves that kindly handover us the trouble free land for construction purpose. All compensation towards Crops & Trees shall be in client's scope. Please confirm.	Trouble free land will be handed over for construction, since there are no crops and trees within the proposed construction sites the question of compensation towards crops and trees does not arise. Bid Condition prevails.
209			Water and Electricity for Construction			We request you to please provide free of cost Water & Power during Construction period and also during Operation and Maintenance Period. Kindly accept and confirm.	During construction water and power has to be arranged by the contractor. At the time of O&M period power cost has to be paid by the contractor. Payment of electricity bill during Trial Run, O&M Period will be made by the operator directly to the concerned service provider and will be reimbursed upto guaranteed energy consumption. However determination of cost of diesel used in DG set will be governed by Cl. 8.1, 8.2 & 8.3 of Schedule-6.
210			General Existing Utilities			Details (Data) of existing underground utilities may be provided to the Bidders. Kindly note that this data is very much required as cost and time required for rehabilitating the existing utilities are substantial as the sewer network is through existing populated area. This is a risk factor and to mitigate the same we request KMW&SA to provide the required information.	It is in the Bidder's Scope.
211			General Existing Utilities			Kindly provide the width of the utility corridor for laying the sewer pipeline demarcated by PWD/municipalities.	It is in the Bidder's Scope. Bidder's are requested to visit the site physically to get the relevant data.
212			General Approvals & Permissions			All PCB approvals & permissions will be in employer's scope. All required permissions & Approval towards respective authority, Institutions shall be in client's (Employer's) scope. Please confirm.	PCB permission for construction of STP has already been obtained. About the other permissions, KMW&SA will assist the operator for getting the necessary permissions from other Department like PWD, NH, Railway etc. Department.
213			The extra Items			The extra Items apart from the contract BOQ are to be compensated as per the prevailing market rates and mutual discussion. Please confirm.	The extra Items apart from the BOQ are to be compensated from the latest SOR of PWD/I&WD, West Bengal and KMDA.
214		41	ITB 3.3 ©		Price of Land to be considered for evaluation of the Bid Prices: Rs.10000/- per Sq. M.	Please clarify whether non-technical buildings, open area, gardens, roads, drains inside the STP area also to be considered in land cost evaluation. Please provide the list of units to be considered for evaluation of land cost.	Please refer response of SI No. 159.
215		399	2.4.1 Treated Sludge Disposal		The sludge generated from the STP shall be disposed off through proper approved means of transport to the place / yard site as Designated by the Owner	Kindly delineate the distance from the 2 nos STPs where the sludge has to be disposed. Kindly confirm all necessary arrangement of the land and permission for sludge disposal for the 10years O&M will be made by KMW&SA. Kindly confirm.	For STP -1 the said distance is 0.5 KM and for STP-2 the same is 5 KM. However the bidder should check the distance before quoting. The permission to establish the STPs in the designated land has already been obtained from the Competent Authority. The issue of permission for sludge disposal will be dealt with while taking necessary permissions for operating the STPs by the operator. However the Bidder will be responsible for paying the necessary charges if any for disposal of sludge.
216		396	2.2. Adverse Operating Condition		During which the raw sewage flow falls 20% of the threshold flow and quality deteriorates beyond the parameters specified below.	Please provide the following parameters of raw sewage for plant design and guarantee purpose. A) Faecal Coliform B) Oil and grease	Indicative data about Faecal Coliform has been provided in the already uploaded DPR. Bidder has to find out the data regarding Oil and grease.
217			General Firefighting system			Fire fighting system - We understand that fire fighting system shall comprise of fire extinguishers and sand buckets only. And there is no need to provide fire hydrant system. Please confirm.	Please Refer response of SI No. 75.
218			General Approach Road			Please furnish approach roads length and technical Specification of pumping stations.	Provided in the DPR.
219			Road Restoration			Kindly provide the specification and drawing (showing different layers and sub layers with thickness) for assessing the type of road that is to be restored to its original after, works are completed. This data is very much crucial for estimation. Kindly provide the same.	Geotechnical Investigation is in the Bidder's Scope. Bidders are requested to visit the site to get the information in this regard before quoting their rates.

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220			General Approved Makes			Kindly furnish the List of Approved Makes	There is no Approved Vendor list.
221			General Power Supply, Fault Level & Metering Panel.			Kindly provide details of ... 1) What will be the voltage level of HT incoming power Supply? 2) No. of incoming power supply to be tapped. 3) Fault level and duration of HT power supply. 4) Distance between L.S. & MPS Sub Station to nearest source of incoming power tapping point. 5) Scope of incoming power Metering panel.	1) Voltage level of HT incoming power Supply shall be 11 KV (+/-) 10%. 2) Single point HT incoming power supply shall be considered. 3) 25 KA (r.m.s.) for 3 second HT fault level has to be considered. 4) HT/LT power supply shall be made available at SPS / STP premises by power supply authority / service provider (WBS&EDCL). 5) incoming power Metering panel shall be under the scope of incoming power service provider.
222			General			Kindly provide details of	
223			General Breaker modules & Bus bar			Kindly provide details of 1) Breaker modules in LT MCC shall be fixed type or Draw out type? 2) Bus bar material of the HT & LT switchgear (Al or Cu).	1) Breaker and all other feeder modules in LT MCC shall be fixed type but all Air Circuit Breakers shall be Draw out type. 2) Bus bar material of the HT switchgear panel shall be of Copper and for LT switchgear panel shall be of Aluminium.
224			General DG Set			Kindly provide details of 1) What will be the min/max working hours for Diesel Generator (DG) set? 2) Electrical loads to be connected with DG set (plant load or lighting load).	1) Working hour of DG set shall be as per the site requirement. 2) DG set shall be connected with plant load as well as lighting load. However capacity of DG set shall be calculated considering peak flow of the station.
225	Price Schedule	121	4.16		Supply of 11 KV Safety hand Gloves (1 pair.) & 1100 volts grade hand gloves(2 pairs)	We understand that the 11 KV single point source HT power supply will be made available at the premises of STP. Please clarify, and also provide the fault level for HT. Kindly also delineate the point power sources for the STPs and Pumping stations.	Please refer to response of SI No. 221.
226	2	374	2.3		Invert Level of Proposed Sewers	Please provide the invert level of incoming sewer at each PS wrt NGL	Some indicative data in this regard may be available in the uploaded DPR and drawing provided during Pre-Bid meeting on 23.11.2015. However Geotechnical investigation is in the Bidder's scope.
227	2	376	2.3(b)		Configuration of Pumping Machinery	Please confirm bidder is allowed to select the number of pumps based on their design in line with CPHEEO guidelines	In LS and MPS all pumps shall be same rated capacity. For the Lifting Stations and MPS rated capacity of each Pump shall be 1/4th times of peak flow rate of design year considered. Head shall be design by the Bidder. In LS and MPS five nos. pumps to be provided (4W +1S under peak flow condition). Others specification should be as per technical specification of the Bid Document / Latest BIS / CPHEEO standard.
228	2				Distribution Chamber in SPS	It is not clear what is meant by Distribution Chamber of SPS. Please clarify	It is contiguous to Inlet Chamber.
229	Technical Specifications				Gate Valves	Please confirm Gate Valves with CI Body are acceptable for SPS	As per Latest BIS / CPHEEO standard if not covered in the technical specification of the Bid Document.
230	Drawings				Layout Drawings	Please provide layout plans indicating location and ultimate discharge point of each SPS to work out the optimum design of structure and machinery	Please refer to response of SI No. 81.
231	Technical Specifications				Manual and Mechanical Screens	Please confirm the angle of inclination of coarse manual screens and mechanical medium screens will be considered as 45 deg and 75 deg respectively	We confirm that Mechanical Screen shall be provided with 75 Degree angle inclination in case of Pumping Station whereas for STP the inclination shall be 40 Degree.
232	Technical Specifications				Manual and Mechanical Screens	Please confirm the screen chamber will have coarse manual screens followed by medium mechanical screens as per spacing indicated in CPHEEO manual. Fine screens are not applicable for sewage application.	As per CPHEEO Manual.
233	General					Understand that raw sewage is purely domestic sewage and no industrial effluent is mixed in raw sewage, kindly confirm.	Yes, Confirmed.
234		246	BID SECURITY		Annexure A – Part c FORM OF BID SECURITY (BANK GUARANTEE)	Bidder understands Bank Guarantee from any Scheduled Bank in India shall be acceptable. Kindly confirm.	Yes, Confirmed.
235		248	PERFORMANCE SECURITY		Annexure A – Part d FORM OF PERFORMANCE SECURITY	Bidder understands Bank Guarantee from any Scheduled Bank in India shall be acceptable. Kindly confirm.	Yes, Confirmed.

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236		440	Price variation for 10 year's O & M		8.3 Adjustment in O&M Price for energy taken from the back-up power supply unit O&M prices quoted in the Operator's Price Schedule incorporated in Schedule 5 take into account energy requirements of the STP and each SPS being met fully from ;power supplied by the Electricity Utility Company. Compensation payable to the Operator for Energy supply taken from an alternate source	Since the O & M period is a long 10 years duration, we request incorporation of price variation provision for the same for all other components apart from only on energy consumption in STP. Bidder requests to make Price Variation applicable for labour, plant etc. components also. Kindly note that this is very crucial for estimation as no body can predict the market rate of inflation for coming 10 years. Kindly provide provide the variation as done for the Design & Build period. Please confirm and provide the formulae.	Adjustment in O&M Price for energy taken from the back-up power supply unit O&M prices quoted in the Operator's Price Schedule incorporated in Schedule 5 take into account energy requirements of the STP and each SPS being met fully from power supplied by the Electricity Utility Company. Compensation payable to the Operator for Energy supply taken from an alternate source, namely the back-up power supply Unit shall be corrected as under: Adjustment in quarterly O&M price = Cost of Diesel consumption in a quarter determined in accordance with sub-paragraph 8.2 (d) above minus 'adjusted units of back-up energy supply' determined as per sub-paragraph 8.2 (b) as applicable for the quarter multiplied by the 'Base Rate of Electricity Tariff'. The variation in O&M price applicable as per sub-paragraphs 8.2 and 8.3 shall be claimed by the Operator on Quarterly basis. Bid Condition prevails.
237			Retention			Bidder understands that there is no cash retention in this contract. Please confirm.	Yes, Confirmed.
238			Estimate			Kindly delineate based on which years schedule of rate (WB PWD) the estimate of <b>272.32 INR Crores</b> has been arrived.	2012

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239		368	13.3. Sewage Treatment Plant Layout and operation sequence		In STP all structural member i.e. base slab, column, load bearing wall, Liquid retaining/conveying structures etc. shall be rest on concrete pile having diameter not less than 450 mm.	May we propose any other type of suitable foundation other than pile? Please confirm.	Since it is a DBO model contract, bidder has every option to provide suitable foundation as per IS Code provision ensuring safety of structures and duly approved by EIC. Pile foundation is not mandatory.
240		434	ARTICLE 1. Terms And Procedure of Payment 1.1 Mobilisation Advance:		Mobilisation advance equal to 10 % of the Design-Build Price as stipulated in the contract shall be paid to the Operator within 7 days of effective date of contract against 'Bank Guarantee for Advance Payment' for the same amount subject to the provisions of this Contract.	Kindly provide the Mobilization advance 10% on Total Contract price, including O & M price . Please confirm We understand that the mobilization advance provided for this project is interest free. Kindly confirm our understanding.	Request about modification of rate of mobilisation advance is not accepted. However it is confirmed that mobilisation advance is interest-free. Bid Condition prevails.
241		95	C Laying of Rising main		Supplying & Laying DI K7 Socket / spigot pipes, rubber rings jointing materials and specials lowering..... From LS-1 to sewer line : 20 m.... From MPS-1 to STP-I :1350 m.....	In the said BOQ only distance from different LS/MPS/STPs are given but not the diameters. Kindly provide the different diameters for the rising main , as this diameters are needed to quote the rates accordingly.	Please refer response to SI.No. 109.
242		60- 244	BIDDER'S PRICE SCHEDULES		BOQ	We believe that quantity may vary but rates quoted against different BOQ items will prevail and contractor will be paid against the actual executed quantity (only for those BOQ items where quantity is quantified and not for LumpSum items). Kindly confirm the same.	Yes.
243		4 of 631 & 255 of 631	IFB & Annexure A – Part h QUALIFICATION CRITERIA		Technical: (b)The bidder or his nominated sub-contractor has successfully commissioned at least one Sewage Treatment Plant of 11 MLD capacity of the same process technology as proposed for this Contract which has been operating successfully (meeting all the required performance standards) for a period of minimum 2 consecutive yrs.	We understand that in such situations the nominated subcontractor would be the technology provider and not have construction experience, hence request you to accept his design experience and amend this clause slightly as follows:- (b)The bidder or his nominated sub-contractor has successfully designed at least one Sewage Treatment Plant of 11 MLD capacity of the same process technology as proposed for this Contract which has been operating successfully (meeting all the required performance standards) for a period of minimum 2 consecutive years over a period of last 7 years preceding the bid submission date. Please confirm. We also understand that in this case, an MOU with the technology provider/ nominated sub-contractor should be fine. Please confirm.	Qualification Criteria modified. Please refer Corrigendum-2, SI. No.-3.
244	1.4(a) 5	255	Qualification Criteria			We request you considering amending the relevant clause as follows: "It has designed , developed , built , tested and handed over at least one contract or two contracts or three contracts on sewerage network constituting 110 KM length of sewerage network of which 9% should be equal to or above 300 mm in each of the contracts during the last 7 years preceding the Bid submission date".	Qualification Criteria modified. Please refer Corrigendum-2, SI. No.-3.
245	1.4 (a) 7	255	Qualification Criteria			We request you considering amending the relevant clause as follows: "It has operated and maintained at least one contract or two contracts or three contracts of sewerage network of 110 KM length for a period of one year covering the defect liability period during the last 7 years".	Qualification Criteria modified. Please refer Corrigendum-2, SI. No.-3.
246	2.1(a)	256	JV- Qualification Criteria			We request you considering amending the relevant clause as follows: "Each JV partner shall have experience of Building and commissioning either STP or a Sewerage Network during the last 7 years instead of during the last 3 years".	Cannot be entertained. Please refer Corrigendum-2.
247	ITB 2.9(a), 2.2(c ), 2.3(a), 2.4.2. 9(b)	40	Bid submission date			We request you considering "extending Bid submission date by at least one month from the schedule date i.e. 06.01.2016".	Yes, Please refer Corrigendum-1.

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