

Origins by Mahindra World City, Chennai in Pudevoyal village, Gummidipoondi Taluk & Eliambedu village, Ponneri Taluk, Tiruvallur District - Package III B

Reply to queries raised by various bidders as on 03-01-2018

Important note: The bidders are requested to attach one copy of this set of replies with authenticated signature along with company seal in the technical bid (Cover - 2) without fail.

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1				We have gone through the BOQ of the tender, kindly clarify if civil quantities exceeded and the same shall be paid extra or not	Refer clause 12.1 of General Conditions of Contract (GCC). Payment shall be made as per actual measurement.
2				kindly clarify if cable length exceeded above the qty mentioned in the BOQ and the same shall be paid extra or not	Refer reply of Sl. No. 1
3				If any additional processing unit is required in water treatment plant other than mentioned in the BOQ, the same shall be paid extra or not	Refer clause 13 of GCC. Refer clause C of special conditions of contract, the tender now invited is for revalidating the sizing and design basis, the supply,

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					<p>construction, erection and commissioning of 2500 cum/day capacity. The tenderer should generally follow the layout proposed on the master plan and see that the works are taken up in such a way that no hindrances are taken place for the subsequent units in the later phases.</p> <p>In case if, the tenderer intent to follow a modified proposal from the master plan, he shall furnish the revised layout design for the total capacity of 2500 cum/day in the phased manner and furnish the detailed design with a capacity of 2500 cum/day keeping the main process suggested in the bid document intact. The bidder shall have to submit a list of such</p>

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					deviations and basis for the same in the bid.
4				During construction of water treatment plant, whether water and power facility shall be provided at free of cost.	Refer clause 4.19 of GCC and special conditions of contract.
5				Kindly provide the bore well water test report	Refer clause 1.2.1 - Raw water quality under sub section M1 of technical specification volume-II A
6				Extension of time for submission of bid for 15 days	The tender condition prevails.
7	MIPL - WTP - 2.5 MLD Tender Document / Sub Section - M1 Design Criteria / 1.2.2 Treated Water Quality			Treated water quality will remain as per raw water quality only for the parameters where the treatment system desired is not meant for.	Refer clause 1.2.2 treated water quality under sub section M1 of technical specification volume-II A
8	MIPL - WTP 2.5 MLD tender document / sub section - M1 design criteria / 1.2.2 treated water quality			Two analysis reports are provided, please confirm which report to consider for design.	Both the reports are valid. Consider the worst condition higher value in the respective parameter among the two reports.

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9	MIPL - WTP 2.5 MLD tender document / sub section - M1 design criteria / 1.2.2 treated water quality			Total suspended solids are not mentioned in raw water analysis report. Please confirm Inlet TSS	Since the ground water is the source of raw water, TSS is not present. However, the parameter turbidity is given in the report. In general, total dissolved solids are available in raw water. Hence, you are requested to consider the raw water quality parameters in the design of WTP
10	MIPL - WTP 2.5 MLD tender document / sub section - M1 design criteria / 1.2.2 Treated water quality			Turbidity in Raw water is < 1 NTU. So, we do not envisage requirement of cascade aerator & clariflocculator system. Also, sludge generation will be very less. Please suggest if we can propose only Filtration plant. Kindly confirm	The components available in the BOQ are minimum required. In case bidder would like to add further components if any to meet the treated water quality, may propose and indicate the deviation in the proposal itself.
11	MIPL - WTP - 2.5 - MLD - tender document / sub section - M1 design criteria / 1.3.2 sizing of			Flash mixer retention time provided is 180 Sec. We propose retention time of 60 Sec as it is sufficient. Kindly confirm	Refer clause 13 of GCC for any variation after award of work.

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	water treatment components				
12	MIPL - WTP - 2.5 MLD tender document / sub section - M1 design criteria / 1.3.2 sizing of water treatment components			Clariflocculator are given 2 nos. We propose 1 Clariflocculator as one system will also be sufficient for the required capacity. Kindly confirm.	You are requested to strictly adhere to the components in the BoQ for uniform rate comparison. Refer clause 13 of GCC for any variation after award of work.
13	MIPL - WTP 2.5 MLD tender document / sub section - M1 design criteria / 1.3.2 sizing of water treatment components			Multi grade filter & activated carbon filter are given as horizontal, we propose vertical filters. Kindly confirm	Kindly replace the word "Horizontal" as "Vertical" in clause 1.3.2.
14				Kindly send the technical BOQ	We presume that you are requesting BoQ in excel format. This will be provided.
15				Please provide us the BOQ excel format and editable tender document	BoQ in excel format will be provided
16				Want to know that tender no. MIPCL/2017-18/phase - I/	The tender is for installation of "Domestic water treatment plant".

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				package - III B/O1 is the tender for industrial effluent plant or domestic water treatment plants and what are the sources of effluent water to the 2.50 mld projected plant.	The source of water is from bore wells and the treatment plant will be a conventional plant having various components as specified in the BoQ.
17	Volume I A - Standard contract document Scope of work			Please clarify the scope of detailed engineering. As per the scope we understand that the process and detailed engineering is done by client, and successful bidder has to supply and construct the plant based on client's engineering. Please confirm our understanding.	Your assumption is correct. Refer clause C of special conditions of contract. The tender now invited is for revalidating the sizing and design basis, the supply, construction, erection and commissioning of 2500 cum/day capacity. The tenderer should generally follow the layout proposed on the master plan and see that the works are taken up in such a way that no hindrances are taken place for the subsequent units in the later phases.

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					In case if, the tenderer intent to follow a modified proposal from the master plan, he shall furnish the revised layout design for the total capacity of 2500 cum/day in the phased manner and furnish the detailed design with a capacity of 2500 cum/day keeping the main process suggested in the bid document intact. The bidder shall have to submit a list of such deviations and basis for the same. The decision to permit such deviations shall rest entirely with the owner”.
18	Volume II A - Technical specifications - Page 261 Treated water quality			Please note that the complete engineering drawing done by client. As the design and engineering is done by client, plant process guarantee does not fall under bidder's scope. Please confirm our understanding.	All the plants and machineries supplied by the bidder are subjected to process guarantee and as well equipment guarantee. Refer reply for point no. 17

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				However, commission and O&M for 3 years is in the scope of bidder	
19	Volume II A - Technical specifications - Page 267 D. Clariflocculator, Flow - 125 m ³ /hr			We understand that the 2 nos. clarifier is both working configuration. Please confirm our understanding.	Both the clarifier shall be in working configuration.
20	Volume I B - Special conduction of contract Volume III BOQ			We understand that the proposed tender is item rate BOQ contract and not Lump Sum Turn Key basis. i.e., in case if the quantity increases more than that mentioned in the BOQ during post order stage, the same will be paid at actual based on the unit price quoted. Please confirm.	Refer the reply of Sl. No. 1.
21	Volume III BOQ Page No 76 - High rate solids contact clarifier - 2 Nos. each 62.5 m ³ /hr.			Please clarify the requirement of the clarifier required. As per the BOQ the requirement is High rate solids contact clarifier. However	Clariflocculator is the combination of both flocculation as well as clarification. The clarifier shall be of high rate solids contact clarifier.

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	Volume II B tender drawings - MACE-P926-WTP-012- Clariflocculator details - Over all doc. Page no - 860 of 997			as per the clarifier diagram, same is indicated as Clariflocculator.	
22	Volume II A - Technical specifications - Page 261, Page 266 - 1.3.1. Proposed water treatment plant - process flow			We found that feed to the plant is bore well water. Normally bore well water does not need clarifiers as the TSS/ turbidity level will be very low. In the given water analysis, also the turbidity is < 0.5 NTU. Hence please relook in to the scheme provided.	You are requested to strictly adhere to the components in the BoQ for uniform rate comparison. Refer clause 13 of GCC for any variation after award of work.
23	Volume II A - Technical specifications - Page 261, Page 267 - G. Water treatment with filters - multi grade filter - horizontal MSEP pressure vessel			As per the P&ID and layout we understand that the multi grade filters and activated carbon filters are vertical vessel and not horizontal vessels. Please confirm.	Yes, your understanding is correct. Please refer the reply of Sl. No. 13 also.

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	Activated carbon filter - Horizontal MSEP pressure vessel				
24	Volume II A - Technical specifications - Page 261, Page 267 - G. Water treatment with filters - Activated carbon filter - Filtration velocity - 20 cum/sqm/hr			Please relook in to the filtration velocity. It seems to be very high. ACF operates in the filtration velocity range of 12 - 15 cum/sqm/hr. Please relook in to the same.	In general, the filtration velocity range for ACF shall be 18 to 20 cum/sqm/hr.
	Electrical				
25	Volume II A - Technical specifications / Page 300 / Section: G5/Clause 4.3 Page no. 300			Tender is silent about Type of Conductor required for cables, At Present we presume Copper conductor up to 4 sqmm and above 4 sqmm with Aluminium Conductor. Kindly confirm the same.	Kindly consider copper conductor up to 10.0 sq.mm and aluminium conductor sizes above 10.0 sq.mm.
26	Volume II A - Technical specifications / Section: G5/ Clause 2			Tender is silent about Type of MCC required (fixed or draw out), At present we presume MCC	The panel shall be non-draw out type.

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	Page no. 295			Panel of fixed and compartmentalised. Kindly confirm the same.	Regarding compartmentalization kindly refer para no. 2, page no. 295, section - G5, volume -II
27	Volume II A Technical specifications / Section: G5/ Clause 2 / Page no. 297			We are unable to located SLD for MCC. Kindly provide same for bidder reference.	The same need to be provided by the bidder.
28	Volume II A Technical specifications / Sub Section: E2/Clause 2.15 / Page no. 331			Please note that we do not envisage erection hardware, spares, consumable, tools and tackles and testing instrument for sewage treatment plant water intake system in our scope of supply. Kindly confirm the same.	Sewage treatment plant water intake system should be replaced with water treatment plant
29	Volume II A Technical specifications / Sub Section: E2/Clause 2.27 / Page no. 337			Please note that we do not envisage any back up control panel for supplied plant. If same need to be consider in our scope of supply. Kindly provide details like	The same need to be provided by the bidder.

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				control philosophy with I/Os, drawing and detail specification. Kindly confirm the same.	
30	Volume II A Technical specifications / Sub Section: E2/Clause 2.34 / Page no. 337			Tender is silent about Type of batteries required for UPS system, at present we presume SMF Lead acid-12V Batteries. Kindly confirm the same.	Agreed.
31	Volume III BOQ / Page no. 83			Tender with Volume III BOQ does not indicate cables, trays, JBs, PLC, SCADA and UPS in BOQ List of items. Hence, we presume Following items are excluded from bidder scope of supply. Kindly confirm the same.	No. Refer clause no. 2.15, page no. 331, volume - II A, all required power, control and signal cables, cable trays, JBs, PLC, SCADA, HMI and UPS shall be part of contractor's supply items.
32	General			All Electrical and instrument items selected shall be suitable for safe area application. Kindly confirm the same.	All electrical & instrumentation items shall be of appropriate IP category
33	General			All Motors supplied for WTP Shall be with IE2 Efficiency	All motors shall be of IE-2 efficiency.

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34	General			We have not consider any cable/trays required between PLC and third party	The remarks against sl.no. 31 holds good for this query also.
	Civil				
35	General conditions of contract / 4.19 Electricity & Water / Page 64			Kindly provide unit charges for water and electricity. We presume that M/s. MIPCL shall provide construction water and construction power near to the proposed plant boundary. Kindly confirm.	Refer special conditions of contract for this clause.
36	Volume II A - Technical specification / 1. Developer's drawings: / Page 4			Since design of civil structures are in the scope of client, client will issue the ready for construction/ approved for construction drawings to the bidder. Please confirm.	Yes. GFC drawing will be furnished for the scheme provided in the tender. Refer clause C of special conditions of contract. The tender now invited is for revalidating the sizing and design basis, the supply, construction, erection and commissioning of 2500 cum/day capacity. The tenderer should

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					<p>generally follow the layout proposed on the master plan and see that the works are taken up in such a way that no hindrances are taken place for the subsequent units in the later phases.</p> <p>In case if, the tenderer intent to follow a modified proposal from the master plan, he shall furnish the revised layout design for the total capacity of 2500 cum/day in the phased manner and furnish the detailed design with a capacity of 2500 cum/day keeping the main process suggested in the bid document intact. The bidder shall have to submit a list of such deviations and basis for the same. The decision to permit such deviations shall rest entirely with the owner.”</p>

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37	<p>Volume I - Standard contract document</p> <p>D) Mobilisation period</p> <p>The mobilisation period will be 15 days from the date of issue of LOA.</p> <p>The Contractor shall carry out the following activities in mobilization period.</p> <ul style="list-style-type: none"> The Contractor shall submit drawings, giving his proposed layout of locating offices, stores, godowns, yards, water, electric network etc. to the EIC for approval. <p>Page 218</p>			<p>Kindly increase mobilisation period 30 days from 15 days from the date of issue of LOA. Kindly confirm.</p>	<p>Tender condition prevails.</p>

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	Volume II A - Technical specification / 1. Drawings furnished by the developer: The contractor shall carefully check all drawings and I or instructions furnished by the Developer before commencing any works and shall inform the Developer in writing, within 14 days from the receipt of the same, of any errors or omissions discovered or of the difficulty to execute any works or part thereof in compliance with these drawings and I or the written instructions				

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	received from the Developer / Page 4				
38	General			We presume that entire civil and structural design for the proposed WTP shall be done by M/s. MIPCL. Kindly confirm.	Refer reply of Sl. No. 36
39	General			We presume that M/s. MIPCL. Shall provide approved construction drawings to the bidder. Kindly confirm.	Refer reply of Sl. No. 36
40	Volume III - BOQ			As per bill of quantities soil stabilisation quantities are mentioned for drain only, but as per the tender drawings lime slurry injection indicated for building. However same is not indicated in the BOQ. Please update and provide the revised BOQ.	Refer reply of Sl. No. 3
41	Volume II B - Tender drawings & Volume III - BOQ			As per the tender drawing it is indicated that "soil stabilisation as per soil consultant report".	The bidder is requested to consider the items specified in

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				However, there is no recommendation of soil stabilisation in the soil consultant report. Hence, we understand that the soil stabilisation is not in the scope of bidder as the same is not indicated in BOQ also.	Volume-III, BoQ. Any variation will be as per clause 13 of GCC.
42	2.1.6 addenda/ corrigenda / clarifications as and when if issued			Please provide if any addenda/. Corrigenda/ clarifications are issued already.	The bidder is requested to visit the web site on 5-1-2018 for updation of clarifications.
43	General			In case of ambiguities in the various specifications/ conditions of the tender and the BOQ, BOQ in Volume III will supersedes all the other documents. Please confirm.	Yes. Please refer clause 1.5 of GCC for priority of documents.