

The Kerala Industrial Corridor Development Corporation Limited (KICDC)

Name of Work: Design, Construction, Testing, Commissioning and Operation & Maintenance of Infrastructure Works at Pudussery Central & Kannambra of Palakkad Node in Kerala under extension of Chennai Bengaluru Industrial Corridor (CBIC) to Kochi via Coimbatore "On EPC Basis"

Tender Notice No:TKI/IMC/EPC/01/2025-2026, **Dated:** 13th May 2025

Dated: 25th June 2025

Responses to Pre-Bid Queries

QUERIES ON TENDER VOLUME 1

S.No	Section/Page/Clause No.	Clause Description	Query/Clarification requested	Employer's Response
1.	General	Land acquisition status	We presume that 100% of the proposed land for the projects has already been acquired and it is under employer possession without any encumbrance. Please confirm.	Refer Clause 15.2 of Vol-1. Page;176
2.	General	Auto CAD Drawings	Kindly provide the AutoCAD drawings of all layouts given in tender.	Tender conditions shall prevail.
3.	General	Service Connections during O&M	We presume that based on site requirements during O&M period, there may be need to provide / terminate / relocate the commercial or residential house service connections. Hence, the bidder requests that the cost incurred for such activities shall be reimbursed at actuals along with the subsequent O&M payment. Kindly confirm.	Refer Schedule-C, clause 38.1.3, Table Sr No 3&4 for the service connections, which are part of contractor scope.
4.	General	Geotechnical Investigation Report	Please provide details of geotechnical investigation report along with ground water table details, for the bidder to review and estimate accordingly.	The geotechnical report is enclosed as an Addendum-03, Notwithstanding above, it is clarified that being an EPC contract the investigation including but not limited to topographical survey, geotechnical investigation etc are part of scope of the contract without any time and cost implication to the employer.
5.	General	Topographical Survey Drawing	Please provide details of topographical survey drawing, for the bidder to review and estimate accordingly.	The topographical survey is enclosed as an Addendum-03,. Notwithstanding above, it is clarified that being an EPC contract the investigation including but not limited to topographical survey, geotechnical investigation etc are part of scope of the contract without any time and cost implication to the employer.
6.	General	AUTOCAD DRAWINGS	The bidder requests the provision of AutoCAD drawings in layered format for all drawings, including roads, drainage, pipe details, cable details, Electrical Drawings, sewage details, and others, to facilitate accurate calculations and a better understanding of the project.	Tender conditions shall prevail.
7.	General	Land acquisition	Bidder Request to kindly provide the status of land acquisition.	Refer Clause 15.2 of Vol-1. Page;176
8.	General	KMZ Files	The bidder requests the provide the KMZ file showing the compiled Left ROW, Right ROW, Centerline, and Chainage details for the project.	Please refer to the Addendum-03, It is Bidders responsibility to familiarise with the project details and location.
9.	Requirement of Additional Drawings & Documents	Request for Master Plan in AutoCAD Format:	Please provide the complete Master Plan layout of the IMC Pudussery Central and Kannambra in AutoCAD (DWG) format to facilitate detailed planning and utility integration.	Tender conditions shall prevail.
10.		Land Boundary Coordinates and Demarcation Plan	Please share the land parcel boundary coordinates (in UTM or local grid) and approved demarcation plan for both sites to facilitate field verification.	Please refer to the Addendum-02 &03. Necessary drawings are provided. It is Bidders responsibility to get familiarise with the project details and location
11.	Other Clarifications	Availability of Land:	Is 100% of the land under possession of KINFRA/KICDC for immediate	Refer Clause 15.2 of Vol-1. Page;176

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			commencement post LOA?	
12.	General	General	Kindly provide the Autocadd drawings of the masterplan and the road networks	Tender conditions shall prevail.
13.	General	Availability of funds	Kindly clarify the source and availability of funds for the project.	Refer Volume 1 Clause No 1.1.5
14.	General	Mobilization Advance	Considering the magnitude of the project, substantial initial investment will be required towards mobilization, material purchase etc. Therefore, we request the Employer to provide an interest free mobilization advance of 10% of CV on signing of contract agreement against the submission of an irrevocable BG equivalent to the value of 100% of Mobilization Advance. Kindly consider the same.	Tender conditions shall prevail Refer Volume 1 Clause No 26.2
15.	General	Time for submission of queries	You will appreciate the fact that to submit a technically comprehensive and financially competitive bid for an integrated infrastructure project of this magnitude, an extensive site investigation is required. After the site visit there will be additional clarifications required based on the site observations. Therefore, we request you to accept our further set of queries please.	The bid queries will be accepted till 9th June 2025.
16.	General	Statutory Variation	Bidder presumes that any revision / addition or any change in Statutory variation, including minimum wages, ESI/EPF, Bonus, any new imposed by state / central government, etc., shall be reimbursed during O&M Period. Kindly confirm.	Refer Clause 26.14. Tender conditions prevail
17.	General	Annual Plant Shutdown during O&M	We request to confirm the annual plant shutdown period of 10 to 15 days for CETP during the O&M phase.	Design and Operation philosophy should be submitted by selected bidder. After approval, the plant shutdown period will be decided. However, plant shutdown period should not be more than 5 continuous days. Overall, not more than 10 days in a year.
18.	General	Asset replacement during O&M	Bidder understands that asset replacement during Operation and Maintenance period does not fall within the scope of contractor. Please confirm	It is to be noted that EPC contractor is responsible for 4 years of O&M and DLP. Any replacement during the O&M period is part of Contractor's scope.
19.	General	Spare Parts during O&M	Commissioning Spares, Mandatory / Operational Spares supplied along with Equipment's respective OEMs to Employer, during O&M period on requirement of the same supplied spare will be issued to the contractor for plant utilization free of cost. Please confirm.	Spares which are procured can be used after expiry of the guarantee/warranty period of the equipment without any cost implication to Employer during the O&M
20.	General	Updation Factors are not provided in the Bidding Document to calculate the, Threshold Technical Capacity, Single Work Experience, or Additional Qualification criteria and to compute Bid Capacity.	<p>It is to bring to your kind attention that, no escalation or updation factors have been specified for evaluating the Threshold Technical Capacity, Single Work Experience, or Additional Qualification criteria and to compute Bid Capacity, which are to be assessed based on works executed in the past ten years.</p> <p>As per standard practice adopted in various tenders by Central Government agencies (such as NHAI, MoRTH, RVNL, IRCON, etc.) and leading State Governments, updation factors are typically applied to bring the value of past executed works to current price levels as on the Bid Due Date. This ensures a fair, consistent, and inflation-adjusted assessment of the technical qualification of bidders, especially in cases where the reference period extends up to ten years.</p> <p>In the absence of such escalation provisions, the value of older completed works — although technically relevant and significant — gets unfairly undervalued due to inflation and cost index changes over the years.</p>	Refer Addendum-01, Srno 12

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			We therefore humbly request the Authority to kindly introduce appropriate year-wise updation factors for the last ten years, to bring all qualifying work values (technical experience) to current levels as on the Bid Due Date. This will ensure parity in evaluation and align with industry-wide standard bidding practices.	
21.	C. Contractual & Execution Queries	Time Extensions for Utility Shifting	If shifting of existing utilities is delayed due to statutory approvals or other agencies, will the delay be excused and EOT granted?	Tender conditions shall prevail
22.		Utility Approvals:	Are NOCs from departments like Pollution Control Board, Electrical Inspectorate, Fire & Rescue, PWD, etc. to be procured by the contractor?	Refer Part-E, 36: Schedule A; Applicable Permits. Obtaining all permits/NOC's during execution of works shall be contractor's responsibility. However, KICDC will provide necessary support in the form of issuing letters, etc.
23.		Traffic Diversion Plans:	Will KINFRA provide assistance in road permits for traffic diversion during works on external connectivity to NH 544?	Refer Part-E, 36: Schedule A; Applicable Permits. Obtaining all permits/NOC's for traffic diversion during execution of works shall be contractors responsibility. However, KICDC will provide necessary support in the form of issuing letters, etc.
24.		Insurance Requirements:	Please confirm specific insurances required during construction and O&M (workmen compensation, third party liability, etc.) beyond what is listed in Schedule K.	Refer to the RFP document Schedule-K. In addition, contractor to assess for the additional requirement beyond the list mentioned in Schedule K.
25.		O&M Responsibility Clarification:	Clarify the scope of 4-year O&M in terms of manning levels, spare stock requirements, consumables responsibility (especially power and chemicals), and billing responsibility (if any).	Refer Section C- Construction and maintenance of contract from 21 to 24 chapters. Accordingly, Tender conditions shall prevail.
26.		Quality Control Laboratory Setup	Centralized Quality Control (QC) Laboratory for Dual-Site Project: As the project is spread across two locations - Pudussery Central and Kannambra - kindly confirm whether it is acceptable to establish a single centralized Quality Control (QC) laboratory to serve both sites. If allowed: ■ What should be the maximum permissible distance from each site? ■ Are there any specific mandatory on- site testing provisions still required at both locations? Clarification is requested to optimize resources and planning for quality assurance.	Site laboratories should be established in each site separately. Third party site can be chosen as per the approval from Employer.
27.		Boundary Demarcation Approval Timeline:	After submitting the demarcation plan with M20 pillars, how many days of lead time does the Employer require for approval before construction may begin?	Refer Chapter 17 and accordingly, Tender conditions shall apply.
28.		Coordination with Other Agencies:	Is the contractor required to coordinate with other contractors working in Pudussery West or other nearby nodes?	It is EPC Contractor's responsibility to coordinate with other interface agencies
29.		Material Royalty and Usage Procedure	Material Royalty and Use of Earth from Outside Working Zone (Within KINFRA Premises): Kindly clarify the procedure and approval mechanism for using material (such as earth or murum) located beyond the designated working zone but within the overall KINFRA project area. Specifically: ■ Will any royalty charges or fees be applicable for such usage? ■ What is the approval process for accessing and utilizing this material? ■ Is any written permission or separate agreement required from KINFRA for usage?	Tender conditions shall prevail

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			This information is essential for accurate estimation of embankment and backfilling costs.	
30.		Quality Control Laboratory Setup	<p>Centralized Quality Control (QC) Laboratory for Dual-Site Project:</p> <p>As the project is spread across two locations - Pudussery Central and Kannambra - kindly confirm whether it is acceptable to establish a single centralized Quality Control (QC) laboratory to serve both sites.</p> <p>If allowed:</p> <ul style="list-style-type: none"> ■ What should be the maximum permissible distance from each site? ■ Are there any specific mandatory on- site testing provisions still required at both locations? <p>Clarification is requested to optimize resources and planning for quality assurance.</p>	Site laboratories should be established in each site separately. Third party site can be chosen after receiving approval from Employer.
31.	O&M	<p>Notice Inviting RFQ cum RFP</p> <p>Estimated Cost (Excluding O&M & GST)</p>	Since the estimated cost is excluding O&M and the scope involves 4 Years O&M, Kindly confirm the modality of how the O&M amount shall be paid also clarify how the manpower charges during the O&M period shall be reimbursed	Tender conditions shall prevail. Refer clause relevant chapters 21, 26.6& 26.7, Schedule H etc.
32.	Page 50:Financial Capabilities	Minimum average annual construction turnover 1 Page equivalent to Rs 1650 Crore (Rupees One Thousand Six Hundred Fifty Crore Only/-) calculated as total certified payments received for contracts in progress and/or completed within the last five (5) financial years, divided by five (5).	The minimum average annual construction turnover requirement of 1650 crore for an EPC project valued at 1100 crore, with a duration of 42months, is seems to be high. Given that the average annual billing would be less than 315 crore, we request that the turnover requirement for the lead bidder be reduced from 51% to 40% of the specified criteria. Alternatively, we propose adjusting the turnover criteria to align with the project estimate of 1100 crore.	Please refer document - Annexure 1 to the Addendum -01
33.	Page No.50 Financial Capabilities	(ii) The Applicant shall have a minimum Net Worth (the "Financial Capacity") of Rs. 275 Crore (Rupees Two Hundred and Seventy Five Crore Only/-) at the close of the preceding financial year.	Under 2.1 the net worth (the financial capacity) shown as 275 Cr. Which is very much higher as per industry practice. Request you to reduce the Net worth requirement.	Tender conditions shall prevail.
34.	Volume I: Part B: 3. Eligibility and Qualification Criteria 2. Financial Situation and Performance	<p>2.2 Average Annual Construction Turnover</p> <p>Minimum average annual construction turnover1 equivalent to Rs 1650 Crore (Rupees One Thousand Six Hundred Fifty Crore Only/-) calculated as total certified payments received for contracts in progress and/or completed within the last five (5) financial years, divided by five (5).</p>	<p>As a general practice, in MoRTH/NHAI EPC Projects, the requirement of Average Annual Construction Turnover is considered equivalent to 15%/ 25% of the EPC of that project. But in the subject tender, the requirement is 150% of the EPC which seems to be very high.</p> <p>Hence, the Authority is requested to kindly amend the requirement in line with the above or maximum to the Estimated cost of the project (ie., Rs. 1100 Crores).</p> <p>Kindly Consider.</p>	Please refer document - Annexure 1 to the Addendum-01
35.	Volume I: Part B: 3. Eligibility and Qualification Criteria 3.1 Similar Work(s) Experience	A minimum number of similar works specified below that have been successfully completed4 as a prime contractor or joint venture member5, or sub-contractor5 between 01st May 2015 to 30th April 2025.	<p>In Various Govt. EPC Projects, Substantially Completed Running projects are considered in addition to Successfully Completed works while claiming similar work experience.</p> <p>Hence the Authority is Requested, to allow Substantially Completed Similar ongoing Works in which payment equal to or more than 80% of Total Project Cost has been made to the Contractor.</p> <p>Kindly Consider.</p>	Tender conditions shall prevail., it is further clarified that substantial completions are not allowed
36.	Volume I: Part B: 3. Eligibility and Qualification Criteria	"Similar Work(s)" mean Construction of Integrated infrastructure development project of industrial parks/townships/SEZs/IT parks/Roads (4 Lane & above)/Airport/ Utilities in urban areas like (water, wastewater,	The bidder understood that in Highway Projects the provision of Electrical Utilities & Traffic Lighting, provision of Water Supply Lines shall be eligible for Similar Works.	Tender conditions shall prevail. The clause is self-explanatory, where in water /sewerage and power distribution in Urban Areas will

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	3.1 Similar Work(s) Experience	drainage, power distribution, water treatment plants, sewerage treatment plants). These projects should comprise of roads and at least 2 components out of storm water, water supply, wastewater, power infrastructure, ICT Infrastructure.	Kindly Clarify.	be considered.
37.	4 footnote, clause 3.1 of Volume-I Pg 52	Only such works shall be considered which are completed as evidenced by the client certificate. The cost of land shall not be considered to determine the cost of the works.	if any work has been physically completed to the extent of at least 80% as on the Bid Due Date, and the value of the executed work meets the minimum amount as specified in Clause 3.1 and 3.2. then such work may please be considered as an eligible project for meeting the technical qualification criteria under the said clauses.	Tender conditions shall prevail. It is further clarified that substantial completion of works are not considered.
38.	Volume I: Part B: 3. Eligibility and Qualification Criteria 3.2 Construction Experience in Key Activities	For the above and / or any other contracts completed and /or under implementation as prime contractor, or joint venture /consortium member, or sub-contractor5 between 01st May 2015 to 30th April 2025, a minimum construction experience in the following key activities successfully completed: Key Construction Activity No. 1: construction of power substations and laying of power transmission /distribution network and thefrom multiple packages of the project executed. Key Construction Activity No. 2: Construction of similar nature of works like integrated infrastructure projects in sectors likefor any area not less than 725 Acres or Rs. 550 Crore (Rupees Five Hundred and Fifty Crore Only/-). These projects should comprise of roads and at least 4 components out of storm water, water supply, wastewater, power, treatment plants (Water, STP, CETP) & ICT. Key Construction Activity No. 3: Design of similar nature of works like integrated infrastructure projects for any area not less than 725 Acres or Rs. 550 Crore (Rupees Five Hundred and Fifty Crore Only/). These projects should comprise of roads and at least 4 components out of storm water, water supply, wastewater, power, treatment plants (Water, STP, CETP) & ICT.	The authority is requested to consider Nominated Sub-Contractor experience to satisfy the Key Construction Activities requirement. Maximum 3 Nos of Subcontractors are allowed. The Bidder must have Pre-bid MoU with the Sub- Contractor and enclose part of Pre-Bid Document. Kindly Consider.	Please refer document - Annexure 1 to the Addendum-01
39.	3.2 Construction Experience 6 in Key Activities	3.2 Construction Experience in Key Activities For the above and / or any other contracts completed and /or under implementation as prime contractor, or joint venture /consortium member, or sub-contractor 5 between 01st April 2015 to 31st March 2025. (i.e successfully completed similar works during last Ten years ending last day of month previous to the one in which applications are invited), a minimum construction experience in the following key activities successfully completed:	Since , the definition says the works can also be under implementation, request to kindly amend the below condition too (Highlighted in red and bold): For the above and / or any other contracts completed and /or under implementation as prime contractor, or joint venture /consortium member, or sub-contractor 5 between 01st April 2015 to 31st March 2025. (i.e. successfully completed /under implementation of similar works during last Ten years ending last day of month before the one in which applications are invited), a minimum construction experience in the following key activities successfully completed:	Tender conditions shall prevail; it is further clarified that substantial completions are not allowed
40.	Key Construction Activity No. 1, Clause 3.2 of Volume-I	Key Construction Activity No. 1: construction of power substations and laying of power transmission/distribution network and the Bidder shall have satisfactorily completed and commissioned during last 10 years from the Bid Due Date Projects involving construction of minimum 33 KV GIS substations with SCADA connectivity and laying of minimum 60 km of power transmission/distribution network cables from multiple packages of the	We kindly request to Authority to please amend the clause as:- Bidder must have experience in the construction of power substations and laying of power transmission/distribution networks and the Bidder shall have satisfactorily completed and commissioned during the last 10 years from the Bid Due Date Projects involving the construction of minimum 33 KV GIS/AIS substations with SCADA connectivity and laying of minimum 60 km in length.	Please refer document - Annexure 1 to the Addendum-01

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		project executed. (33 KV GIS substations with SCADA connectivity + laying of minimum 60 km in length)	OR; The bidder can associate with any reputed agency/sub-contractor having requisite work experience of construction of power substations and laying of power transmission/distribution networks and the Bidder shall have satisfactorily completed and commissioned during the last 10 years from the Bid Due Date Projects involving the construction of minimum 33 KV GIS/AIS substations with SCADA connectivity and laying of minimum 60 km in length of Power transmission/distribution network cable from multiple packages of the project executed simultaneously . Bidder has to submit MoU with such a reputed agency/sub-contractor along with the tender. However, the associated agency must satisfy the eligibility criteria as mentioned above.	
41.	Page 54:Key Construction activities	Key Construction Activity No. 1: construction of power substations and laying of power transmission/distribution network and the Bidder shall have satisfactorily completed and commissioned during last 10 years from the Bid Due Date Projects involving construction of minimum 33 KV GIS substations with SCADA connectivity and laying of minimum 60 km of power transmission/distribution network cables from multiple packages of the project executed.	Can a bidder qualify by submitting a nominated subcontractor who meets the qualification criteria and provides a firm commitment as part of the tender submission?	Please refer Annexure 1 to the Addendum-01
42.	Key Construction Activity No. 1:	Key Construction Activity No. 1: construction of power substations and laying of power transmission/distribution network and the Bidder shall have satisfactorily completed and commissioned during last 7 years from the Bid Due Date Projects involving construction of minimum 33 KV GIS substations with SCADA connectivity and laying of minimum XXX km (50% of the scope we have for cabling) of power transmission/distribution network cables from multiple packages of the project executed. Construction of power substations and laying of power transmission/distribution network and the Bidder shall have satisfactorily completed and commissioned during last 10 years from the Bid Due Date Projects involving construction of minimum 33 KV GIS substations with SCADA connectivity and laying of minimum 60 km of power transmission/distribution network cables from multiple packages of the project executed.	Request you to consider the qualification as follows: 33 KV and above GIS substations and SCADA connectivity for GIS/AIS substations	Please refer - Annexure 1 to the Addendum-01
43.	Key Construction Activity No. 2, Clause 3.2 of Volume-I	Key Construction Activity No. 2: Construction of similar nature of works like integrated infrastructure projects in sectors like industrial parks/townships/SEZs/IT parks/Roads/Airfields/ Utilities in urban areas like (water, wastewater, drainage, power distribution, water treatment plants, sewerage treatment plants) for any area not less than 725 Acres or Rs. 550 Crore (Rupees Five Hundred and Fifty Crore Only/-). These projects should comprise of roads and at least 4 components out of storm water, water supply, wastewater, power, treatment plants (Water, STP, CETP) & ICT.	We kindly request to Authority to please amend the clause as:- the bidder must have experience in the completion of similar nature of works like integrated infrastructure projects in sectors like industrial parks/township/SEZs/IT parks/Roads/Expressways/Highways Utilities in urban areas/rural areas like (water, wastewater, drainage, power distribution, water treatment plants, sewerage treatment plants) for any area not less than 725 Acres or minimum value not less than INR 550 Crore.	Tender conditions shall prevail.
44.	Page 55:Key Construction activities	Key Construction Activity No. 2: Construction of similar nature of works like integrated infrastructure projects in sectors like industrial parks/townships/SEZs/IT parks/Roads/Airfields/Utilities in urban areas like (water, waste water, drainage, power distribution, water	Under 3.1 similar experience, The requirement is limited only to 2 components. Can a bidder qualify by submitting a nominated subcontractor who meets the qualification criteria and provides a firm commitment as part of the tender submission?	Please refer - Annexure 1 to the Addendum-01

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		treatment plants, sewerage treatment plants) for any area not less than 725 Acres or Rs. 550 Crore (Rupees Five Hundred and Fifty Crore Only/-). These STP, CETP) & ICT		
45.	Tendernotice_1/ Annexure XVI, Schedule B/ Pg 109,272 & 278	Form of Bank Guarantees	Any written demand for payment under such Bank Guarantees shall be received by the Guarantor by registered post (courier) to the address as described or received by the guarantor by hand delivery at such address on or before the expiry of the validity period shall only be honoured. Any demand received after the expiry of the validity shall be considered null and void. Kindly modify.	Tender conditions shall prevail.
46.	Tendernotice_1/ Annexure XVI, Schedule B/ Pg 109,272 & 278	Form of Bank Guarantees	Kindly provide the details of the branch of the Bank in which the Bank Guarantees shall become payable.	Bank Name: State Bank Of India Branch Name: SBI, Althara IFSC Code: SBIN0007203
47.	Tendernotice_1/ Schedule-Q/Pg 345/ 52.8 Tendernotice_1/ Schedule-Q/Pg 145 / 10.1.8	Cost of Remedy on Force Majeure Event	Both the referred clauses are contradictory on Cost of Remedy for loss or damage during Force Majeure Event. Please confirm.	Please refer the Addendum-01, Sr No 16
48.	Tendernotice_1/ Part -D, Section B/ Pg 147/ 10.1.18	Project Office for the Employer's Engineer	We presume that the contractor need not provide any computer/laptop for the use of employer Engineer. Please confirm.	Tender conditions shall prevail
49.	Volume : 01 -RFPcum RFQ Page 159: For Trial Run and Commissioning, Performance Test and O&M Period	10.7.2 For Trial Run and Commissioning, Performance Test and O&M Period The power and water shall be supplied free of cost by the Employer only during O&M Period upon issuance of completion certificate for Construction works. For Trial run and commissioning, Performance test, necessary power and water cost shall be borne by contractor. Sewage and industrial effluent shall be provided by Employer for trial run and commissioning of the sewerage and effluent networks including Treatment Plants.	Please confirm the power and water tariff for performance testing and commissioning, if back-charged by the employer. Additionally, elaborate on the source and method of sewerage and industrial effluent supply provided by the employer for trial runs and pre-commissioning activities.	Tender conditions shall prevail
50.		Cost towards Diesel used in case of power breakdowns during O&M period for emergency/essential services, approved by Employer, will be reimbursed as per actuals.	Please confirm or clarify whether the standard overhead and margin can be applied to these actuals, and whether GST will also be paid.	Tender conditions shall prevail
51.		Be noted, if sewage and /or industrial effluent can't be provided by Employer, for any reasons for trial run and commissioning of the sewage and effluent networks, water shall be used by the contractor at no extra cost.	Please confirm whether potable water for commissioning will be provided by the employer free of cost in this case.	Refer Clause 10.7.2 Tender conditions shall prevail

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52.		The contractor to provide a BG equivalent to the weightage amount for commissioning and performance testing for release of payment on non-availability of effluent.	Please confirm whether the payment will be released on the EPC completion date upon submission of a bank guarantee with a maximum period of four years (O&M period).	Tender conditions shall prevail
53.		However, water shall be provided by employer for trial run and commissioning of the recycled water networks.	Please confirm this water is Potable water and supply will be free of cost.	Tender conditions shall prevail
54.	Clause 10.9 of Volume-I page No. 162	10.9 Working Hours 10.9.1 Normal hours during which construction work will be permitted to be carried out at the Site from Monday to Saturday, excluding holidays. Working hours and Working days shall also be subject to adherence to Labour Laws	As per Clause 10.9 of Volume I (Page 162), it is mentioned that work will be carried out on normal days from Monday to Saturday. Considering with the extensive and vast scope of work within the limited 42-month completion period, the bidder requests that relaxation in working hours is to be provided as working in two shift. Alternatively, the bidder requests an extend the project completion period by atleast six month. Kindly consider and confirm.	Tender conditions shall prevail
55.	10.10 Labour Laws	The Contractor shall comply with all the relevant labour Laws applicable to the Contractor's Personnel, including Laws relating to their employment, health, safety, welfare, immigration and emigration, and shall allow them all their legal rights. The Contractor shall require his employees to obey all applicable Laws, including those concerning safety at work.	Please confirm, employing the local labour force from vicinity of construction land is not a mandatory requirement. Contractor will get compensated, if the same requirement may arises during the project construction stage	Tender conditions shall prevail
56.	Page 164 : 11.1.4 The Employer shall provide to the Contractor:	11.1.4 The Employer shall provide to the Contractor: upon receiving the Performance Security under Clause 14.1.1 and signing of the Contract Agreement under clause 34.8, the Employer shall provide all environmental clearances as required under Clause 11.2.	Please confirm the environmental clearance for this Project is already obtained	Confirmed
57.	Clause 11.2 of Volume-I page No. 167	11.2 Environmental Clearances The Employer confirms that the environment clearance required for Construction of the Project are already procured by the Employer for both the land parcels i.e. Pudussary Central and Kannambra.	As per Clause 11.2 of Volume-I page No. 167, it is stated that environmental clearances are required and are currently under progress. Therefore, the bidder kindly requests a copy of the approved environmental clearance and forest clearances along with the associated conditions enclosed with the approval for the project	EC is an open document and can be obtained online Parivesh Portal . Proposal No: SIA/KL/INFRA2/456060/2023 & IA/KL/INFRA1/455582/2023
58.	14.1 Performance Security	The Performance Security shall be valid until 28 (Twenty Eight) days after successful completion of the Defects Liability Period.	Please clarify a reduced Performance security during the O&M and DLP can be considered or not	Tender conditions shall prevail

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59.	Tendernotice_1/ Part -D, Section C/ Pg 173/ 14.5.4	Release of retention money	As per the clause 50% of the retention money shall be released within 28 days from completion certificate and balance 50% is released 28 days after Defect Liability only. Considering the validity of 5% Performance Security up to 28 days after the Defect Liability Period, we request the release of 100% of the retention money without any BG within 28 days from the issuance of completion certificate. Please confirm.	Tender conditions shall prevail
60.	Tendernotice_1/ Part D, Section C/ Pg 176/ 15.2	Procurement of the Site	In case of any delay in procurement of the site, the Contractor shall be duly compensated with all applicable costs in addition to the extension of time. Kindly consider and modify the clause accordingly.	Tender conditions shall prevail
61.	15.4 Protection of Site from encroachments	15.4 Protection of Site from encroachments	Please confirm that neither temporary fencing during construction nor permanent fencing as part of the contract scope is included.	Tender conditions shall prevail.
62.	Tendernotice_1/ Part-D / Section-B / Pg 180/ 16.2	Shifting of Obstructing Utilities	Bidder requesting to provide the details for any dismantling / removal of utilities required during O&M Phase. Also, if any such works are to be carried out by the Contractor which cannot be envisaged at this stage, bidder request to confirm that the costs incurred will be reimbursed by the Employer on an actual basis, similar to utility shifting arrangements. Please confirm	Tender conditions shall prevail
63.	Tendernotice_1/ Part D, Section C/ Pg 180/ 16.2	Taxes & duties	Kindly confirm reimbursement of GST on utility shifting cost.	Refer Clause 16.2 (Pg 180); Paid on Actuals
64.	Tendernotice_1/ Section-C/ Pg 180/16.2	Shifting of utilities	There is an existing GAIL pipeline which is crossing the proposed project land observed during our site visit. We presume that shifting of this GAIL pipeline is not envisaged under the scope of this tender. Please confirm.	Please refer to Clause 16.1 and 16.2.
65.	Tendernotice_1/ Section-C / Pg 181/16.4	Felling of Trees	As per the clause it is mentioned that, felling of trees shall be in the scope of the contractor. During our site visit numerous trees are observed in the proposed project area. We Presume that, only the trees which are falling within the proposed road ROW shall only be removed. Removal of trees/shrubs within the plots including levelling of the plots are not envisaged under the scope of this contract. Please confirm.	Trees within the proposed RoW and proposed utility areas to be marked and removed by the contractor.

S.No	Section/Page/Clause No.	Clause Description	Query/Clarification requested	Employer's Response
66.	Clause 16.2 of Volume-I page No. 182	16.2 Shifting of Obstructing Utilities The Contractor shall, in accordance with Applicable Laws and with assistance of the Employer, cause shifting of any utility (including electric lines, water pipes and telephone cables) to an appropriate location or alignment, if such utility or obstruction adversely affects the execution of Works or Maintenance of the Project Works in accordance with this Agreement. The actual cost of such shifting, as approved and communicated by the entity owning the utility, shall be paid by the Contractor and reimbursed by the Employer to the Contractor.	As per Clause 16.2 of Volume I (Page 180), it is stated that utility payments made by the Contractor, as approved and communicated by the utility owner, shall be reimbursed by the Employer. The bidder requests clarification on the time frame for reimbursement after submitting the RFI. Additionally, the bidder suggests that if the reimbursement is delayed beyond 15 days, interest charges should apply. Kindly confirm and clarify.	Tender conditions shall prevail
67.	Para 2, Clause 16.2 of Volume-I page No. 182	16.2 Shifting of Obstructing Utilities Dismantling and removal of existing utilities, nonfunctional utilities including power distribution lines which are not to be shifted/relocated with the consent of Employer and the entity owning the utility shall be part of the scope of works under the contract and cost of dismantling shall be included in the Contract Price. The material so dismantled shall be property of the owning entity/ Employer and shall be handed over to owning entity/ Employer.	As per Para 2, Clause 16.2 of Volume-I (Page 180), it is stated that dismantling and removal of existing utilities, including nonfunctional utilities and power distribution lines not to be shifted/relocated, shall be included in the scope of works under the contract, and the cost of dismantling is included in the Contract Price. The bidder requests the provision of detailed information regarding the existing utilities for accurate assessment. Kindly provide the necessary details.	The EPC agency will be responsible for surveying and collecting the exact details from the site. Tender conditions shall prevail
68.	Clause 16.4 of Volume-I page No. 183	16.4 Felling of Trees The Employer shall assist the Contractor in obtaining the Applicable Permits for felling of trees to be identified by the Employer for this purpose if and only if such trees cause a Material Adverse Effect on the Construction or Maintenance of the Project Works. The cost of such felling trees shall be borne by the Contractor and in the event of any delay in felling thereof for reasons beyond the control of the Contractor; it shall be excused for failure to perform any of its obligations hereunder if such failure is a direct consequence of delay in the felling of trees. The Parties hereto agree that the felled trees (except the Scheduled trees, which shall be Employers Property) shall be deemed to be owned by the Employer and shall be disposed in such a manner and subject to such conditions as the Employer may in its sole discretion deem appropriate, as appropriate with required statutory approvals. Obtaining the required statutory approvals for above shall be the responsibility of the Contractor. For the avoidance of doubt, the Parties agree that if any felling of trees hereunder is in a forest area, the Applicable Permit thereof shall be procured by the Employer within the time specified in the Agreement.	The bidder requests the following information regarding tree felling: a). The number of trees to be felled in local areas and forest areas. b). Guidelines and precautions to be taken for tree felling in forest areas to ensure compliance with environmental regulations and project requirements. Kindly provide the necessary details to facilitate planning and adherence to the prescribed norms.	The EPC agency will be responsible for surveying and collecting the exact details from the site. Tender conditions shall prevail
69.	Tendernotice_1/ Part D, Section C/ Pg 183/ 17.2	Design & Drawings	The referred clause mentions that "The contractor within 60 days of LOA shall submit the drawing & document list for Employer Engineer approval". To complete a foolproof design of an integrated infrastructure project, a detailed topographical & geotechnical survey of the entire project is essential, and it will consume considerable time to complete the activities. Based on the site data, the detailed engineering to be done after a lot of deliberation and clash analysis of various utilities. Therefore, submission of drawings for approval within 60 days of LOA is practically difficult. Hence, we request you to consider the time period as 90 days from the date of the agreement instead of 60 days from the date of LOA. Please accept.	As per the clause, the Contractor need to submit the list of documents and drawings. Refer Addendum-01 Sr No 19

S.No	Section/Page/Clause No.	Clause Description	Query/Clarification requested	Employer's Response
70.	17.2 Design and Drawings	Design and Drawings shall be developed in conformity with the Specifications and Standards set forth in Volume II and Volume III	Since this is an EPC project, the Employer may allow deviations from Volumes I and II, provided they do not compromise the minimum quality, specifications, or scope requirements of the project.	Tender conditions shall prevail
71.		Design and Drawings shall be developed in conformity with the Specifications and Standards set forth in Volume II and Volume III	If Volumes I and II are legally and contractually mandated through this clause, we request the Employer to provide the complete design documents, AutoCAD drawings, budget estimations, and supporting quotations from suppliers. This will enable us to conduct a detailed study before submitting the prices.	The design details provided are indicative. Being EPC contract, it is the contractor's responsibility for full development of design, getting approval from Employer/Employer's representative and construction complying to the tender conditions. The necessary information for Bidding purpose has already been given in RFQ cum RFP documents
72.		Design and Drawings shall be developed in conformity with the Specifications and Standards set forth in Volume II and Volume III	The pipeline length, cutting and filling drawings, topographical survey drawings, and geotechnical investigation reports should be provided to enable us to submit our best EPC price.	Since the proposal is on EPC basis, conducting all forms of surveys and investigations are part of the scope of contractor. Geotech report is available in the Addendum-03, It should be noted that the document will be shared for reference purposes and the information provided is indicative only. The bidders need to make their own assessment of ground condition.
73.	17.2.2	The Contractor shall also obtain the consent of the Employer for two key personnel of the Proof Consultant who shall have adequate experience and qualifications of such infrastructure projects including Roads & Bridges, Drains, Culverts, Water Supply, Sewage, Gas, Power systems, Fire and any other relevant discipline	Please clarify the expertise in Gas distribution is not mandatory for the proof checking consultant	Tender conditions shall prevail
74.	Clause 17.2.2 of Volume-I page No. 186	17.2.2 The Contractor shall appoint a proof check consultant (the "Proof Consultant") after proposing to the Employer a panel of three names of qualified and experienced firms (Preferably IIT/NIT's) from whom the Employer may choose one to be the Proof Consultant. Provided, however, that if the panel is not acceptable to the Employer and the reasons for the same are furnished to the Contractor, the Contractor shall propose to the Employer a revised panel of three names from the firms empaneled as proof consultants by the Employer along with their firms and personnel experience for obtaining the consent of the Employer. The Contractor shall also obtain the consent of the Employer for two key personnel of the Proof Consultant who shall have adequate experience and qualifications of such infrastructure projects including Roads & Bridges, Drains, Culverts, Water Supply, Sewage, Gas, Power systems, Fire and any other relevant discipline. The Employer shall, within 30 (thirty) days of receiving a proposal from the Contractor or providing sufficient information as desired by the Employer whichever is later hereunder, convey its decision, with reasons, to the Contractor for engaging Proof Consultant	As per Clause 17.2.2, it is mentioned that the proof check will be conducted by IIT/NIT. The bidder requests confirmation on whether a specific IIT/NIT is fixed for the proof check. If a specific institution is fixed, kindly provide the details; if not, confirm whether the bidder can approach any IIT/NIT for this purpose. Kindly clarify.	Tender conditions shall prevail

S.No	Section/Page/Clause No.	Clause Description	Query/Clarification requested	Employer's Response
75.	Tendernotice_1/ Part D, Section C/ Pg 193/ 18.17.4	Suspension	In the case of Suspension of Works for reasons not attributable to the Contractor, the Contractor shall be reimbursed with all duly applicable costs in addition to the extension of time. Kindly modify.	Tender conditions shall prevail
76.	Tendernotice_1/ Part-D / Section-C / Pg 199 / 20.1	Change of Scope	According to site conditions, if any variation / change is incorporated during EPC period and executed by the contractor, the O&M costs for such variations shall be charged extra during O&M period. However, such changes shall be intimated to the Employer before the start of the O&M period for mutual acceptance. Kindly consider bidder request.	Tender conditions shall prevail
77.	Tendernotice_1/ Section-C / Pg 199 / 20.1	Change of Scope	For any additional or supplemental works, considered as change of scope are deemed essential for the project during the O&M period as per the Employer's requirements, the contractor shall carry out such works and the payment for these works shall be made by the Employer based on a mutually agreed rate between the contractor and the Employer. Kindly confirm.	Tender conditions shall prevail
78.	Tendernotice_1/ Section-C/ Pg 203/ 21.1.1	O&M Payment	The Bidder understands that the Final Contract Price is inclusive of all applicable taxes and duties, except Goods and Services Tax (GST), which shall be payable at the prevailing rate. Accordingly, since the Operation and Maintenance (O&M) value is derived from the Final Contract Price based on the year-wise percentages specified in the referenced clause, the Bidder understands that the same tax structure shall apply to the O&M period also. Kindly confirm the bidder's understanding is correct.	Tender conditions shall prevail
79.	Tendernotice_1/ Part-D / Section-C / Pg 207 / 22.2.4 Tendernotice_1/ Section-D / Pg 220/ 26.7.5	Payment of Deduction Made for Non- Compliance	Both the referred clauses appear to be contradictory regarding the repayment of deductions imposed for non-compliance with maintenance requirements. To avoid any ambiguity during execution, we kindly request your confirmation of these clauses.	Tender conditions shall prevail.
80.	Tendernotice_1/ Part D, Section C/ Pg 211/ 24	Defect Liability Period	As per the clause Defect Liability shall be 4 years after construction completion. As a standard practice, we request you to consider the DLP as 2 years instead of 4 years. Please confirm.	Tender conditions shall prevail
81.	Tendernotice 1/ Part D, Section C/ Pg 211/ 24.3	Cost of Remedying Defects	The referred clause mentions that the Contractor shall repair or rectify or replace all defects and deficiencies observed by the Employer's Engineer during the Defect Liability Period within a period of 15 (Fifteen) days from the date of notice issued by the Employer. We presume that if any defect occurred due to third party intervention, the rectification cost towards the same shall be paid to the contractor by the Employer. Please confirm.	Tender conditions shall prevail.

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82.	2.1Maintenance	Maintenance obligations of the Contractor	Please clarify or confirm that the EPC contract price submitted by the bidder should not include O&M costs. And the maintenance shall be paid as described in Clause 2.1. Additionally, the cost of operations will be reimbursed by the employer based on actual expenses, including profit and overhead for labor, machinery, and consumables.	Tender conditions shall prevail
83.	26.1 Contract Price	For the avoidance of doubt, the Parties expressly agree that the Contract Price shall not include the cost of Maintenance which shall be paid separately in accordance with the provisions of Clause 26.7.	Please confirm " Contract Price shall not include operation and Maintenance"	Tender conditions shall prevail.
84.	26.2 Advance Payment	The first, second and the third installments shall be paid by the Employer to the Contractor within 15 (fifteen) days of the receipt of its respective requests in accordance with the provisions of this Clause 26.2.	Please clarify , How much additional advance will be paid as Third Instalment and at which mile stone progress	Tender conditions shall prevail
85.	Tendernotice_1/ Part D, Section D/ Pg 218/ 26.2.6	Advance Bank Guarantee	We kindly request to release the Bank Guarantee secured against Mobilization Advance in proportion to the value of the advance recovered from the monthly RA Bills.	Tender conditions shall prevail
86.	Tendernotice_1f Section-D / Pg 220 / 26.6.1	Payment for Maintenance of the Works	Since O&M is a service-oriented business which majorly involves manpower and service costs, the bidder requests that payment terms during the O&M period be revised from quarterly to monthly. Kindly modify.	Tender conditions shall prevail
87.	Tendernotice_1/ Part D, Section D / Pg 220/ 26.7	Payment for Maintenance of the Project Works	We kindly request to provide monthly O&M payment instead of quarterly payments to ease the project cashflow. Kindly modify.	Tender conditions shall prevail
88.	Tendernotice_1/ Part D, Section D/ Pg 221/ 26.10	Taxes & duties	Kindly confirm reimbursement of GST on price adjustment claim.	Tender conditions shall prevail

S.No	Section/Page/Clause No.	Clause Description	Query/Clarification requested	Employer's Response
89.	Tendernotice_1/ Section-D / Pg 223/ 26.10.5 ©	Price Adjustments for the Works (O&M)	As per previous experiences in the industry, we assume that the provided weightage may be applicable to the execution of EPC works. The Employer may be aware that the operation & maintenance is a service contract, the weightage for O&M period may not be the same as for EPC. The cost contribution during O&M shall majorly on manpower salaries, chemicals and consumables, maintenance and POL. Hence, we kindly request to provide separate weightages for the major components during the O&M period. Based on our previous experiences in the similar kind of O&M execution, the cost contribution shall be for Labor - 65-70%, Chemicals & Consumables - 10-12% Plant, machinery and spares - 15-18%, POL- 5-10%). Request to consider the above weightage for O&M period. Kindly confirm.	Tender conditions shall prevail
90.	Tendernotice_1/ Part D, Section E/ Pg 240/ 30.3	Termination	As per the clause it is mentioned that the "Employer may terminate the Agreement for convenience." Considering this clause as detrimental to a balanced contract, we request you to remove this clause from the contract condition. Please accept.	Tender conditions shall prevail
91.	Tendernotice_1/ Part — E/ Pg 270/ 36	Setting up of exclusive stone crusher	During our site visit it is observed that there is an abandoned stone quarry within the proposed site itself in Pudukkottai Central. Considering the huge volume of aggregate requirements for the project and also the good quality of rock available within the project premises, to expedite the progress of work and completion of the project within the schedule, we request employer to allow the contractor to set up the quarry & stone crusher unit in the existing quarry itself. Please accept our request.	Tender conditions shall prevail.
92.	Tendernotice_1/ Schedule-H / Pg 305/ 43.2	Payment Reduction for Non-Compliance	Bidder requests that the penalty for non-compliance be limited to a maximum of 5% of the monthly O&M value for the respective Year. Kindly consider and confirm the bidder's request.	Tender conditions shall prevail
93.	Tendernotice_1/ Schedule-H / Pg 306/43.2.2	Percentage Reductions for Water Transmission Networks	In the event of damage or theft of assets installed within the Potable /Recycled / Effluent / Sewer water transmission network, caused by third parties / local bodies / external agencies or any other factors beyond the contractor's control, the contractor should not be held liable or subjected to penalties or recoveries during the O&M period. Kindly confirm.	Tender conditions shall prevail. Also Refer Section-C/Vol-1/clause-15.4, protection of site and assets are part of the contractor scope until the completion of O&M period.
94.	Tendernotice_1/ Schedule-H / Pg 307 / 43.3	Penalties for Treatment Plants (STP, CETP)	We request to confirm that the contractor shall not be penalized for any deviation in influent quality at STP & CETP, as any shock load or intermittent load is likely to impact plant performance and result in deterioration of treated water quality. In such instances, the plant will require a stabilization period, and the bidder requests that no penalties be imposed during this period of re-stabilization under the O&M scope. Kindly confirm.	It is an EPC contract and hence during the design stage, the upper and lower limits will be decided and approved. The ETP and STP plants will be designed to absorb such shock loads and hence during the commissioning and testing stage, the plant should demonstrate such abnormal situations.
95.	Clause 43.4	Guarantee form 1: Related to Penalties for STP during Operation and Maintenance	Since the power guarantee is submitted as a single value based on full-capacity operation of the plant, please clarify how the power guarantees will be evaluated for lower-capacity operation	Lower capacities penalties scenario will be dealt in proportion to full capacities. However, Employer's decision in this regard will be final and shall be binding on the contractor.
96.	Clause 43.5	Guarantee form 2: Related to Penalties for CETP during Operation and Maintenance	Given that the power guarantee is provided as a single value based on the plant's full-capacity operation, could you clarify the evaluation method for power guarantees in lower-capacity scenarios?	Lower capacities penalties scenario will be dealt in proportion to full capacities. However, Employer's decision in this regard will be final and shall be binding on the contractor.
97.	51.Schedule P: Reports	Secondary Site Investigation Report/ Data is available with Employer. Bidders can obtain the same from the Employer	Please provide the soil investigation report and topographic survey reports	The Geotech and topographic survey is enclosed in the Addendum-03 ,Notwithstanding above, it is clarified that being a EPC contract the investigation including but not limited to topographical survey, geotechnical investigation etc are part of scope of the contract without any time and cost implication to

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				the employer.
98.	Tendernotice_1/ Schedule-Q / Pg 343/ 52.1 (17) & Tendernotice_2/ 425 / 9.6.11	Disposal of Residual Dewatered sludge disposal (off-site)	With reference to the clause (Volume I / Schedule-Q / 343/ 52.1 (17), we understand that the location of landfill for sludge disposal shall be identified by the Employer during O&M Period. Hence the bidder requests the deletion of the clause (Volume II / 42S / 9.6.11 - Dewatered sludge disposal).	Please refer to the Addendum-01, Sr No 29
99.	Tendernotice_1/ Schedule-Q/ Pg 346 / 52.11	Repair/Rectification of Defects and Deficiencies	We understand that the adequate manpower and spares / consumables shall be maintained at site to attend pipeline leakages arising due to reasons attributable to the contractor. However, in cases where leakages occur due to factors beyond the control of the Contractor, such as third-party interference or water theft, the contractor will arrange for necessary spares and carry out the rectification works, and the associated costs shall be reimbursed by the Employer. Kindly confirm.	Tender conditions shall prevail.
100.	Tendernotice_1/ Part-E/ Pg 350 / 52.12.1	Commercial Operation & O&M of Treatment Plants	After mechanical completion of EPC works, if there is any delay in getting Effluent / raw water / wastewater / other resources due to any reasons which is not attributed to the Contractor, under such conditions, on a mutual discussion with the Employer basis, a completion certificate shall be issued to the Contractor to start the O&M period to keep the equipment in healthy conditions. For such maintenance activities, the contractor shall be paid according to the annual O&M charges. Kindly confirm.	Refer clause:10.7.2, Volume-1, Section-B/Page-159. Accordingly Tender conditions shall prevail.
101.	Tendernotice_1/ Schedule-Q/ Pg 354/ 52.12 (29)	Disposal of Sludge & Residual	Kindly provide the details of the distance of sludge disposal site from each Treatment plants (separate for Bio sludge & Chemical sludge). Also, if any charges are to be paid for disposals, the same shall be paid by the Employer. Kindly confirm. Else, please indicate the disposal charges to be considered by the Contractor.	Please refer to the Addendum-01, Sr no 29

QUERIES ON VOLUME 2				
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102.	General	Levels	Please provide AGL, FGL and HFL of STP & CETP site locations. Kindly provide contour survey drawings if available for our reference purpose.	Locations are indicated in the Masterplan and HFL will be provided during the detailed design stage of EPC contract.
103.	General	Plot drawings with boundary coordinates	Please provide the plot drawings of STP & CETP in AUTOCAD format along with plot boundary coordinates.	Locations are indicated in the Masterplan
104.	General	Spare Philosophy	Kindly provide the spare philosophy to be considered for the 110 kV, 33 kV & 11 kV GIS panel.	Tender conditions shall prevail. Please refer the Drawings No. 72301100-PAL-IMC-C-PW-SLD-0004 & 72301100-PAL-IMC-KAN-PW-SLD-0004 for Spare requirement.
105.	General	Finished Ground level (FGL) & Finished Road Level (FRL)	Please provide the Treatment Plant (TP) Finished Ground Level (FGL) design requirement if any. Also kindly confirm the Min. level difference to be followed between Finished Road Level (FRL) to Treatment Plant Finished Ground Level (FGL).	FGL Levels will be decided during the detailed design stage. The detailed Survey, design and engineering are within the scope of the EPC contractor.
106.	General	MRSS Layout	We request you provide the 110/11 kV and 33/11 kV MRSS layout for our reference.	The plot location has been indicated. Detail design and engineering is in the selected EPC scope and the same will be prepared during detail design stage.
107.	General	Common Control Rooms	We understand that there are two common control rooms, one for Pudukkottai and another for Kannambra. Kindly confirm and provide the dimensions and locations of these common control rooms.	There shall be only one command control centre for

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				both the areas. The command control centre shall be part of the administrative building and shall be under a separate contract.
108.	General	Feeder Pillars	As per our understanding, feeder pillars are equipped with gateway controllers and media converters, and communication with the Lighting Management System and the common control room is established via OFC. However, the communication method between individual streetlights and the feeder pillar has not been specified. We assume this is through wireless radio communication. Kindly confirm.	Ensure efficient operation and maintenance of street lighting services using the smart city platform On/ OFF control shall be considered from lighting SCADA. No dimming shall be considered.
109.	Tendernotice_2/ Technical Specifications	ESRs	Kindly provide the staging height, capacity, and coordinates of all ESRs for both Kannambra and Pudukkottai Central.	Design is in the scope of EPC contractor. The Bidder to design based on District Metering Area concept with minim 14 m residual pressure at each property/consumer in line with Latest CPHEEO manual on Water Supply and Treatment and plan and design the ESR/OHT accordingly. Further, the storage capacities of the tanks shall be in line with latest CPHEEO manual on Water Supply and Treatment EPC contractor should go through the relevant information available in Tender Document and design accordingly.
110.	Tendernotice_2/ Technical Specifications	General	Kindly provide the number of property connections for Potable, Reuse, Effluent, and Sewer networks in both Kannambra and Pudukkottai Central, along with the respective typical drawings.	Design is in the scope of EPC contractor. EPC contractor should go through the relevant information available in Tender Document.
111.	General	Horizontal and Vertical Alignment Report	The bidder notes that the Horizontal and Vertical Alignment Report is missing from documents and requests its provide.	Design is in the scope of EPC contractor. EPC contractor should go through the relevant information available in Tender Document
112.	General	Pan and profile	The bidder requests the plan and profile for Kannambra (8.51 km) and Pudukkottai Central (28.66 km) sections to facilitate review and alignment understanding.	Please refer the Addendum-02,
113.	General	Missing of existing Electrical Utility Shifting Details and Additional.	Additional, Provide the Information on existing electrical utilities, especially if shifting is required (e.g., HT LT Lines, Transformers, UG Cables), including procedures for identification, verification, relocation, approvals, quantification. of Existing Electrical Utilities,(Relocation Existing Utility Shifting Plan).	Please refer to the Cl. No. 8.1 of the technical specification.
114.	A. Technical Scope & Design Queries	Road Design:	Kindly confirm if the 30m, 24m, 18m, 15m, 12m, 9m ROW cross-sections are final and approved. Can bidders propose alternate typical cross sections and design during value engineering?	The details provisioned in the cross sections are minimum requirement of the project. Contractor can alter the cross sections without changing the cross section typology complying to the tender conditions and same shall subject to approval of engineer in charge during construction.

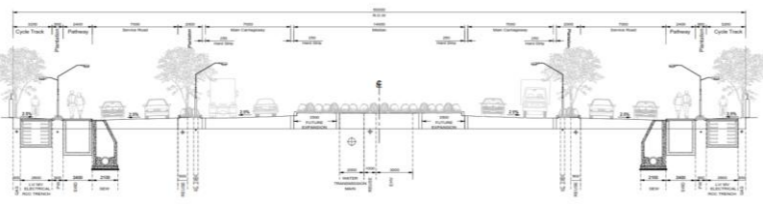
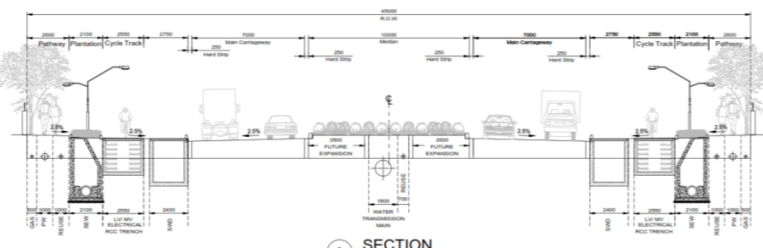
S.No	Section/Page/Clause No.	Clause Description	Query/Clarification requested	Employer's Response
115.		Recycling Water Source:	What is the specific source of the recycled water? Is it assumed to be fully from STP/CETP or any external source?	Tender conditions shall prevail
116.		Power Supply Coordination:	Please clarify if the contractor is responsible for liaisoning and coordination with KSEB for 110kV and 33kV cable laying from the respective substations up to MRSS.	Laying of the 110kV & 33kV Power Cable from External Power Source (Substations) to Proposed MRSS is in the KSEB /Authority scope. However, any Civil work required inside the project area for laying the power cable will be in the contractor scope.
117.		STP/CETP Modular Phasing:	Please elaborate on the required modular phasing (stages) of STP and CETP. Is Phase I capacity fixed? Please provide influent characteristics and peak factors.	Tender conditions shall prevail
118.		Storm Water Drainage HFL:	Has HFL been already established by the employer? If not, will the time spent on HFL studies affect the completion schedule?	Tender conditions shall prevail
119.		Plan and Profile Drawings for Roads and Drains	Kindly share plan and longitudinal profile drawings for all proposed roads, stormwater drains, and utilities corridors to enable accurate quantity estimation and alignment planning.	Enclosed as Addendum-02 , However, these details are indicative and purely for tender purpose. it is the EPC contractor responsibility for complete design of the project complying to tender conditions.
120.		Utility Corridor Layouts (AutoCAD):	Please provide detailed utility corridor drawings (electric, water, sewer, telecom, storm water) in AutoCAD format for both Pudukkottai Central and Kannambra.	The detailed design and engineering are within the scope of the EPC contractor.
121.		Cross Sections of Various Road Types:	Requesting typical cross-sectional drawings for 30m, 24m, 18m, 15m, 12m, and 9m ROW roads showing pavement layers, utility placements, drains, medians, lighting, and landscape zones.	For indicative pavement layer details refer clause 2.9 of Volume II of tender documents. For indicative utility placements, drains, medians, lighting, and landscape zones, refer drawing no. 72301100-PAL-IMC-RD-CH-0007 to 72301100-PAL-IMC-RD-CH-0009 of Volume III of tender documents.
122.		VUP/Culvert Drawings:	Kindly provide detailed structural drawings or typical sections of the proposed VUPs, and culverts	The detailed design and engineering are within the scope of the EPC contractor.
123.		Drawings for External Connectivity Road:	Requesting plan and profile, ROW details, and junction design drawings for external connectivity road to NH 544, including any RoW acquisition details if available.	Enclosed as Addendum-02. However, these details are indicative and it is the EPC contractor responsibility for complete design of the project including junctions complying to tender conditions.
124.		STP/CETP Plant Layout Drawings:	Please provide preliminary layout and P&ID or process flow diagrams for the proposed STP and CETP, including inlet/outlet points and pumping stations.	Tender conditions shall prevail. It is an EPC contract and these are to be developed and got approval during the detailed design stage.

S.No	Section/Page/Clause No.	Clause Description	Query/Clarification requested	Employer's Response
125.		Electrical Network & Substation Drawings:	Requesting layout and SLD (Single Line Diagrams) of 110kV/11kV and 33kV/11kV substations, GIS room plans, and duct bank routing along with substation locations.	SLD & Substation Location is already provided in tender drawings. Substation Layout drawings will be prepared during detail design stage.
126.		Topographical Survey Data:	Kindly provide the latest GIS/DEM data or topographical survey files (in CAD/GIS format) to verify levels, contours, and existing features before detailed design.	The topographical survey is enclosed in the Addendum-03 Notwithstanding above it is clarifier that being a EPC contract the investigation including but not limited to topographical survey, geotechnical investigation etc are part of scope of the contract without any time and cost implication to the employer.
127.		Soil Investigation Report / Geotechnical Data:	Requesting the detailed geotechnical investigation report if available for the project area including bore log details and HFL records.	The geotechnical report is enclosed as Addendum-03. Notwithstanding above it is clarifier that being a EPC contract the investigation including but not limited to topographical survey, geotechnical investigation etc are part of scope of the contract without any time and cost implication to the employer.
128.		BIM Requirements Clarification:	Kindly confirm if a BIM model submission is required during the bid stage. If yes, please provide the base model or BIM development guidelines.	Tender conditions shall prevail.
129.		Estimated Project Cost (Part-wise):	Kindly provide the estimated cost separately for each component of the project: ■ Part A: Pudussery Central ■ Part B: Kannambra This will help bidders in understanding the financial scale of each section for accurate bid preparation	Tender conditions shall prevail.
130.		Request for Detailed BOQ / Cost Estimate:	Please provide the Detailed Cost Estimate / Bill of Quantities (BOQ) for the entire project. This will enable better evaluation of scope, resource allocation, and alignment with technical and financial expectations	Tender conditions prevail. Notwithstanding the detailed design and engineering are within the scope of the EPC contractor.
131.		Clarification on 60 m ROW Cross Section:	As per the Typical Cross Sections, a 60 m Right of Way (ROW) is indicated and cross-sectional details are provided. However, the specific locations or chainages where this 60 m ROW is to be implemented are not mentioned in the document. Kindly clarify the exact stretches or locations where the 60 m ROW is proposed to be adopted.	The typical cross section with 60m right of way shall be disregarded. The same shall be read as typical cross section, 45m right of way.
132.	General	The length of roads is a minimum requirement and may vary as per detailed engineering design.	Kindly provide longitudinal sections (Plan & Profile) and Lay out plan for Road Net work to asses the earth work, Retaining wall quantitiy etc.,	Enclosed as Addendum-02,
133.	General	The length of roads is a minimum requirement and may vary as per detailed engineering design.	No of bus bays and shelter are not provided	The contractor will finalize the numbers and locations of bus bays and shelters during the detailed design stage of EPC.

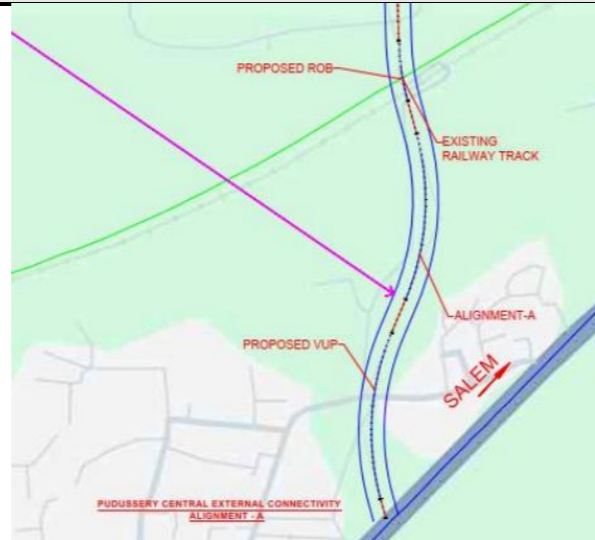
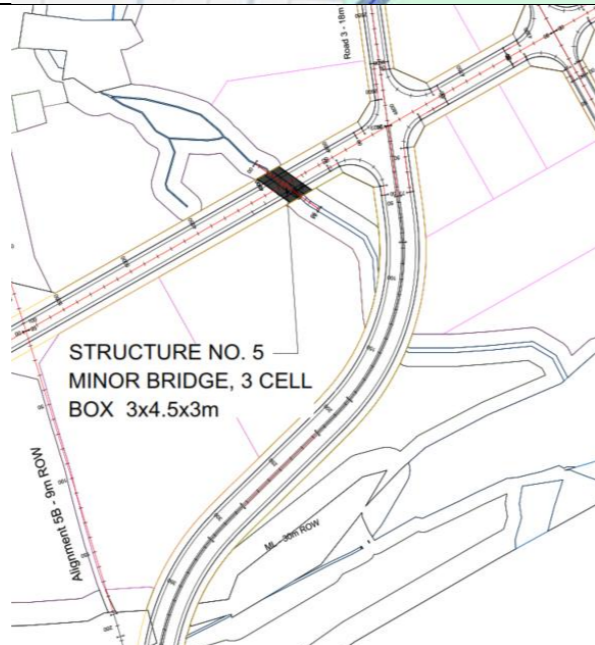
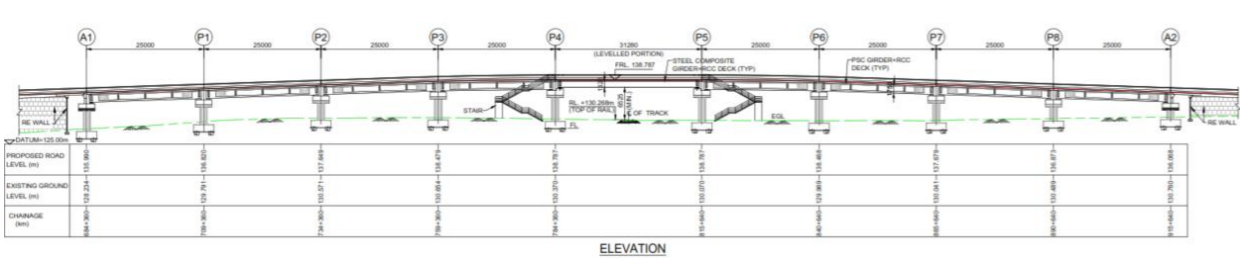
S.No	Section/Page/Clause No.	Clause Description	Query/Clarification requested	Employer's Response
134.		General	Source is not clear for the Kannambra IMC, Kindly provide.	Provision of fresh water to Kannambra site is under SPV's scope
135.		General	Kindly provide the total potable water & recycle water demand There is no capacity provided for ELSRs in tender. Kindly provide the tentative capacities considered in tender to cross check for any deviation occurs in detail design.	Refer Table 3.4 and Table 3.5 of Volume II Technical Specification. Tender Conditions shall prevail.
136.		General	It seems Recycled water pumping station and STP/CETP placed with a significant distance as per tender, kindly confirm how that treated water will be transmitted to pumping station?	Recycle Water Pumping Station is proposed within the campus of STP/CETP.
137.		General	MOC of property connection pipe is given as PN10 for water supply and PN6 for sewage, Kindly allow to use PN6 for water supply too incase of pressure allows with in 60m.	Tender conditions shall prevail.
138.		General	Liquid retaining structures shall be designed as per limit state methodology specified in IS 3370 part 2 - 2021. Kindly confirm.	Confirmed
139.	General	Third Party Damages to Utilities	Any damage to the constructed infrastructure network caused by plot owners during their construction activities, transportation, or erection of their unit establishments shall be rectified by the respective agency. Furthermore, the contractor shall not be held liable or subjected to penalties for any issues arising from such occurrences. Please confirm.	Refer Clause 2.25, para-2, Page 36 of Volume-2.
140.	Tendernotice_2/ Pg 1/ 1	Land XML/Elevation	Kindly provide the Spot Levels and Formation Levels for both Kannambra and Pudukkottai Central in the LandXML Format & DEM.	The topographical survey for is enclosed in the Addendum-03. Notwithstanding above, it is clarified that being a EPC contract the investigation including but not limited to topographical survey, geotechnical investigation etc are part of scope of the contract without any time and cost implication to the employer.
141.	Tendernotice_2/ Pg 2/ 1.1	Water Supply	Kindly provide the Land Use Map in shapefile (.shp) format for both Kannambra and Pudukkottai central	Tender conditions shall prevail.
142.	Volume : 02 -TECHNICAL SPECIFICATION 1.4 General	Construction of GIS based MRSS (Main receiving Substation, ZSS (Zonal Substation) and Compact substation		Query is absent.
143.	Volume : 02 -TECHNICAL SPECIFICATION Page: 06	Sludge disposal shall be in Contractor's scope and contractor can finalise disposal place in Consultation and Approval from Employer	Please confirm whether the sludge disposal or landfill area falls within the proposed construction zone. Additionally, Please confirm that the development of the landfill area is excluded from the contract scope, except for the three-day sludge storage facility at the STP and ETP plants	Please refer the Addendum-01, Srno 29
144.	Volume : 02 -TECHNICAL SPECIFICATION Page: 06	The contractor has to design and construct the storm water drainage system of the entire project area and shall furnish all required facilities, plant, instruments, materials including water, electricity, labour, consumables, etc., any and everything necessary for construction of the works, whether or not such items are specifically stated elsewhere in this bid	We propose designing the stormwater system as a fully gravitational setup or integrating surface and stormwater with existing natural drains to eliminate the need for pumping. In this scenario, please confirm whether any instrumentation system is required within the scope to monitor water levels or flow	All the tender conditions shall prevail. In case of gravity system , no instrumentation system is required. The EPC contractor has to assess the site conditions and design the drainage system accordingly.
145.	Volume : 02 -TECHNICAL SPECIFICATION Page: 06 & 07	For Pudukkottai central, the contractor has to design and construct Power distribution system for entire project area which includes, 1 No.	As per SLD drawing 72301100-PAL-IMC-C-PW-SLD-0004, regarding the 110kV incoming power supply from the 110kV Kanjikkode substation (by	Providing duct banks inside the project boundary (

S.No	Section/Page/Clause No.	Clause Description	Query/Clarification requested	Employer's Response
		110kV/11kV Main receiving substation (MRSS) with associated Electrical equipment,	Authority), please confirm whether the cabling within the plot limits—including cable ducts and duct banks up to the substation, along with the termination of the cable at the contractor-supplied HT panel - will be carried out by the Authority. Additionally, confirm that the ROW approvals, construction costs, and regulatory approvals are excluded from the EPC scope.	from project boundary to 110/11KV MRSS) for incoming 110KV cable laying is under scope of contractor. Civil work for incoming cable laying outside the project boundary is under scope of Authority. 110KV incoming cable supply, laying, termination both ends is under scope of authority.
146.	Volume : 02 -TECHNICAL SPECIFICATION Page: 07	and providing space for 2nos110kV/33kV transformers of minimum 16MVA rating and 33kV GIS switchgears for feeding power supply to Pudussery west and Future 33kV consumer if any	Please confirm that only the additional space-covering civil works and trenches—for the GIS feeder cubicle for 110 x 33 transformers is included in the EPC scope. The scope outlined in drawing 72301100-PAL-IMC-C-PW-SLD-0006, as well as the 110kV spare feeders shown in drawing 72301100-PAL-IMC-C-PW-SLD-0004, are intended solely for reference purposes.	Yes, additional space covering for future 33KV GIS and 110/33KV of minimum 16MVA transformers cubicle is under scope of contractor. The scope outlined drawings - 72301100-PAL-IMC-C-PW-SLD-0006 is provided as a reference for space provisioning. All 110KV feeder shown in drawing 72301100-PAL-IMC-C-PW-SLD-0004 shall be considered in the scope.
147.		The MRSS shall be fed from 2 no's 110KV feeders and 110kV Cabling from KSEB Kanjikode Substation to MRSS through RCC cable trench	Additionally, confirm that the ROW approvals, construction costs for trenches cable laying , authority charges , and regulatory approvals are excluded from the EPC scope. And the Ducts bannks and Ducts including cabling with in the compount till the termination GIS switch gear will be done by the authority.	Civil work outside project boundary for incoming 110KV cable laying is under scope of authority/KSEB. Civil work inside the project boundary for 110KV incoming cable laying is under scope of contractor.
148.	Volume : 02 -TECHNICAL SPECIFICATION Page: 07	For Kannambra site, the contractor has to design and construct power distribution system for entire project area includes , 1 No 33KV/11KV main receiving substation (MRSS) with Associated Electrical equipment , the MRSS shall be fed from 2 no's 33KV feeders and 33KV Cabling from Vadakkencherry Substation to MRSS through RCC cable Trench adequate 11kV RMUs, CSS, HV & LV Cables as required and as directed by Engineer in charge,	Please confirm the above clarifications are applicable to Kaanmbra substation as well.	Tender conditions shall prevail.
149.	Volume : 02 -TECHNICAL SPECIFICATION Page : 08 & 09	Basic Engineering Process and Documenattion	Please confirm no HAZOP studies for ETP and STP are required	Since the proposal is on EPC basis, conducting all forms of studies and investigations are part of the scope of contractor.
150.	Volume : 02 -TECHNICAL SPECIFICATION Page : 09: Clause 1.6	1.6 Surveys, Topographical Survey and Geotechnical Investigations	Please provide the Geo technical investigation with recommendations and topographic Survey with cutting filling calculation carried out by the Authority	The geotechnical report is enclosed in the Addendum-03 The provided Report is indicative and the contractor has to make their own assessment. It is clarified that being a EPC contract the investigation including but not limited to topographical survey, geotechnical investigation etc are part of scope of the contract without any time and cost implication to the employer.
151.	Volume : 02 -TECHNICAL SPECIFICATION 1.7 Field Laboratories	Arrangement can be made by the Contractor to have the cubes tested in an approved laboratory in lieu of a testing machine at site at his expense, with the prior consent of the employer.	Please confirm NABL approval is not manadatory for the third party lab and contractor have the freedom to use any reputed labaoratory having previous reference with government infrastructure projects.	Tender conditions shall prevail. All the material testing shall be conducted through NABL approved laboratory.

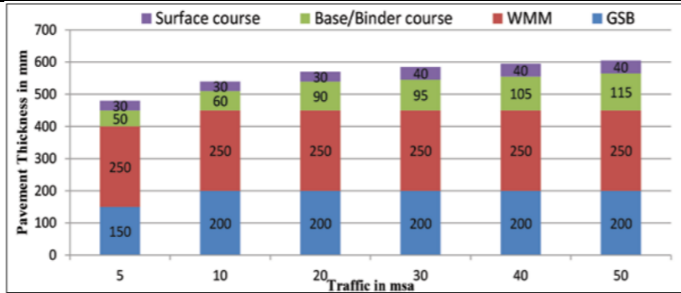
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152.	Volume : 02 -TECHNICAL SPECIFICATION 1.9 Workability and Maintenance	Handrails shall be SS-304 minimum Schedule 10 made of 32NB pipes/tubes with top and intermediate rows of pipes running parallel to each other and the height of railing not less than 1100 mm. The distance between 2 vertical posts shall not be more than 1.5 meters. The post shall also be of 32 NB.	Please confirm the supporting platforms structural steel works excluding the gratings /chequered plates and hand rails can be constructed with CS materials with Hot dipped galvanized finish (without additional Protective coating).	MOC clarification about handrail - SS316 handrail shall be used for outdoor applications, and SS304 handrail shall be used for indoor (inside building) applications, including a 150mm wide and 3 mm thick toe guard and material shall be the same as handrail. Supporting platforms structural steel works can be in CS with Hot dipped galvanized finished with FRP/GRP chequered plates as per IS 2629 of latest version.																																			
153.	Volume : 02 -TECHNICAL SPECIFICATION 1.9 Workability and Maintenance	General	If we allocate a laydown area for maintenance around the equipment (over and above the loading and unloading bays) and ensure complete access using stairways instead of vertical ladders, the required building space for optimal operational and maintenance needs may be 50% greater than standard plant and pumping station construction practices. Please confirm whether compliance with all points under Clause 1.9 is a mandatory requirement.	Tender Conditions prevail																																			
154.	Tendernotice_2/ Pg 10/ 1.9 Tendernotice_2/ Pg 820/ 12.25.3	Workability and maintenance Walkways, Stairways and Platforms	1. All platforms to be visited on a daily basis shall be provided with stairways, except where a permanent access ladder is the only feasible means of access. All interior and exterior platforms gratings and/or checker plates shall be of GRP. 2. Platforms shall be constructed using a suitable grade of GRP grating, to the relevant ISO, British Standards or ASME Standards and shall cater for the relevant loadings for maintenance. 3. Standard structural hot dip galvanized mild steel to BS EN ISO 1461: 1999 or marine grade aluminum sections shall be used. Kindly clarify the MOC to be followed for interior and exterior platforms at different structures.	MOC clarification about handrail - SS316 handrail shall be used for outdoor applications, and SS304 handrail shall be used for indoor (inside building) applications, including a 150mm wide and 3 mm thick toe guard and material shall be the same as handrail. Supporting platforms structural steel works can be in CS with Hot dipped galvanized finish with FRP/GRP chequered plates as per IS 2629 of latest version.																																			
155.	Volume : 02 -TECHNICAL SPECIFICATION 2.25 Repairs on Account of Natural Calamities	All damages occurring to the Project Components (Roads & Utilities/Services) on account of a Force Majeure Event shall be repaired by Contactor at no additional cost	Please confirm whether the Force Majeure event mentioned under this clause exclusively covers repairs related to natural calamities. Additionally, confirm that the cost of asset insurance during the O&M period will be borne by the client upon EPC completion and that the insurance coverage includes Force Majeure conditions arising from national calamities.	Refer to the Addendum-01, Srno 16																																			
156.	KANNAMBRA, Page No. 3, VOLUME-III Table 2. of Volume II	<p>TYPICAL CROSS SECTION FOR 60m CORRIDOR</p> <p>Table 2.1: Classification of Roads by ROW</p> <table> <tr> <th>S. No.</th><th>Road Classification</th><th>Proposed ROW</th><th>Configuration</th><th>Total Carriageway Width (m)</th></tr> <tr> <td>1.</td><td>Arterial Roads</td><td>30 m</td><td>Dual 2 Lane</td><td>2 x 7.5</td></tr> <tr> <td>2.</td><td>Sub Arterial Roads</td><td>24 m</td><td>2 Lane with Paved Shoulder</td><td>7 + 1.5 x 2</td></tr> <tr> <td>3.</td><td>Collector Streets</td><td>18 m</td><td>2 Lane</td><td>7.50</td></tr> <tr> <td>4.</td><td>Local Streets in Industrial Area</td><td>15 m</td><td>2 Lane</td><td>7.50</td></tr> <tr> <td>5.</td><td>Local Streets in Residential Area</td><td>12 m</td><td>1.5 Lane</td><td>6.0</td></tr> <tr> <td>6.</td><td>Local Streets in Residential Area</td><td>9 m</td><td>1.5 Lane</td><td>6.0</td></tr> </table>	S. No.	Road Classification	Proposed ROW	Configuration	Total Carriageway Width (m)	1.	Arterial Roads	30 m	Dual 2 Lane	2 x 7.5	2.	Sub Arterial Roads	24 m	2 Lane with Paved Shoulder	7 + 1.5 x 2	3.	Collector Streets	18 m	2 Lane	7.50	4.	Local Streets in Industrial Area	15 m	2 Lane	7.50	5.	Local Streets in Residential Area	12 m	1.5 Lane	6.0	6.	Local Streets in Residential Area	9 m	1.5 Lane	6.0	<p>As per Kannambra, Page No. 3, Volume-III, a Typical Cross Section for a 60m and 45m Corridor is provided. However, as per Table 2.1, the Maximum ROW limit is specified as 30m.</p> <p>The bidder requests clarification regarding where this typical cross-section is to be used, as it does not align with the ROW limits mentioned in Table 2.1. Kindly confirm its applicability and amend the documents accordingly if required.</p>	<p>Refer to the Addendum-02 for the TCS drawings.</p> <p>45 m ROW is applicable for external connectivity in Pudukkottai Central section.</p>
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		 <p>60M Corridor</p>  <p>45M Corridor</p> <p>TYPICAL CROSS SECTION FOR 45m CORRIDOR</p>																																												
157.	Table No. 2.2 of Volume II	<p>Table 2.2: Length of roads by ROW for Palakkad IMC - Pudussery Central and Kannambra</p> <table border="1"> <thead> <tr> <th rowspan="2">S. No.</th><th rowspan="2">Road Classification</th><th rowspan="2">Proposed ROW</th><th colspan="2">Road Length (Km)</th></tr> <tr> <th>Kannambra</th><th>Pudussery Central</th></tr> </thead> <tbody> <tr> <td>1.</td><td>Arterial Roads</td><td>30 m</td><td>0.51</td><td>.48</td></tr> <tr> <td>2.</td><td>Sub Arterial Roads</td><td>24 m</td><td>2.98</td><td>7.33</td></tr> <tr> <td>3.</td><td>Collector Streets</td><td>18 m</td><td>2.18</td><td>13.96</td></tr> <tr> <td>4.</td><td>Local Streets in Industrial Area</td><td>15 m</td><td>2.21</td><td>5.42</td></tr> <tr> <td>5.</td><td>Local Streets in Residential Area</td><td>12 m</td><td>0.63</td><td>0.6</td></tr> <tr> <td>6.</td><td>Local Streets in Residential Area</td><td>9 m</td><td>-</td><td>0.87</td></tr> <tr> <td colspan="3">Total</td><td>8.51</td><td>28.66</td></tr> </tbody> </table> <p>Note- The length of roads is a minimum requirement and may vary as per detailed engineering design.</p>	S. No.	Road Classification	Proposed ROW	Road Length (Km)		Kannambra	Pudussery Central	1.	Arterial Roads	30 m	0.51	.48	2.	Sub Arterial Roads	24 m	2.98	7.33	3.	Collector Streets	18 m	2.18	13.96	4.	Local Streets in Industrial Area	15 m	2.21	5.42	5.	Local Streets in Residential Area	12 m	0.63	0.6	6.	Local Streets in Residential Area	9 m	-	0.87	Total			8.51	28.66	<p>As per Table No. 2.2 of Volume II, for the Kannambra section, the Local Streets in Industrial Area (15.0m ROW) are required for 2.21 km. However, the corresponding Typical Cross Section (TCS) is not mentioned in Kannambra, Page No. 3, Volume-III.</p> <p>The bidder requests to Provide the Typical Cross Section (TCS) details for 15.0m Local Streets in the Industrial Area.</p> <p>Kindly provide the necessary details or amend the documents accordingly.</p>	Refer to the Addendum-02
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158.	Volume : 02 -TECHNICAL SPECIFICATION 2.4.1 Road Lengths	Table 2.2: Length of roads by ROW for Palakkad IMC - Pudussery Central and Kannambra	Please confirm the cross section of 45 M wide road shown on the Drawing 72301100-PAL-IMC-RD-CH-0009 is for the external connectivity and no light poles required at the centre portion of the corridor	The Details shown in the cross section are indicative. The proposed 45m wide road corridor shall be lit with desired illumination level complying to the tender conditions.																																										
159.	cl 2.4.1 -Table 2.2 - Note - Page13 of vol II Technical specification	The length of roads is a minimum requirement and may vary as per detailed engineering design.	The Contractor presumed additional length if any shall be a change of scope. Kindly clarify	Tender conditions shall prevail. Notwithstanding above any change in length of roads and associated structures due to contractor designing shall not be payable extra.																																										
160.	Volume : 02 -TECHNICAL SPECIFICATION 2.4.5 Shoulders	Paved Shoulder – Paved shoulder of same specification as that of main carriageway shall be provided.	Please confirm this requirement is mandatory . The cost of EPC may increase if we maintain the same specification for Carriage way for the shoulders	Tender conditions shall prevail.																																										
161.	Volume : 02 -TECHNICAL SPECIFICATION 2.4.5 Shoulders	Earthen Shoulder / Granular Shoulder – Being an access controlled and urbanized set-up, earthen shoulders shall be avoided as far as possible.	Please confirm all the earthen shoulders need to with granular fills or the natural soil can be used for earthen shoulders	Tender conditions shall prevail.																																										
162.	Volume : 02 -TECHNICAL SPECIFICATION 2.5 Junctions (At Grade)	General	No traffic signal controll junctions and traffic management softwares are required as apart of the scope	Junction analysis to be done by successful bidder and junction control to be finalized based on																																										

S.No	Section/Page/Clause No.	Clause Description	Query/Clarification requested	Employer's Response
				expected traffic levels.
163.	Volume : 02 -TECHNICAL SPECIFICATION 2.6 External Road Connectivity	The approximate structural steel quantity for composite steel plate girder superstructure span, over the railway track, shall be 160MT.	Please confirm the required preliminary approvals are already obtained from Railway authorities for the construction of the railway over bridge.	All approvals for ROB- GAD and designs need to be taken from Railway and state authority by the EPC contractor.
164.	Tendernotice_2/ Pg 16/ 2.6	Access road to the site	<p>During our site visit, we understand that there is only one existing road accessibility which is a “U” shaped railway underpass is available to the entire proposed project site at Pudukkottai Central from the NH 544. Due to the narrow size and less turning radius of the underpass, material transportation through heavy vehicles especially, pipes, reinforcement, streetlight poles, cement silo truck etc., shall not be practically possible.</p> <p>Though, 60 m wide dedicated access road with Railway Over Bridge is proposed under this package, completion of the same will take a minimum of 1.5 to 2 years' time after the project award. Under these circumstances, we request the employer to confirm the alternate arrangement proposed for the material transportation to the project site until the proposed access road with ROB is ready for use.</p>	Feasible access to be identified by the contractor
165.	Tendernotice_2/ Pg 16/ 2.6	External Road Connectivity	Road over bridge (ROB) proposed over existing railway track is steel bridge. The approximate structural steel quantity for composite Steel plate girder superstructure span, over the railway track, shall be 160MT. Since superstructure quantity for ROB over railway track has been given, kindly clarify the scope of ROB.	<p>Design and Construction of external access road including the ROB is in the scope of EPC contractor. The quantities are tentative. Responsibility and liability of Design and Construction is of the Contractor on EPC basis with no extra cost and time implication to the Employer.</p> <p>Provision of utility corridor should be considered for ROB, as per Addendum-01 Sr No 32.</p>
166.	Clause 2.6 of Volume-II	<p>2.6 External Road Connectivity</p> <p>External connectivity of 45m ROW is proposed to connect Pudukkottai central IMC with NH544. The proposed road shall have 4-lane divided carriageway, central median, footpath, side drain and utility corridor. The length of this connectivity is 920m (approx.). 6- lane ROB is proposed at the existing railway line crossing and one VUP is proposed in the approaches of the ROB at ch. 0+220. The purpose of this VUP is to give cross passage to the existing road users. On approval of alignment by the client, contractor shall carryout the necessary topographic survey, soil investigations, etc. and shall obtain necessary approval of the structural drawings of ROB from the railway authorities. The scope includes design and construction of connectivity road as per relevant IRC standards including road furniture, CD /structures including relocation of utilities, construction of ROB & VUP, junctions, etc., as approved by the client. The approximate structural steel quantity for composite steel plate girder superstructure span, over the railway track, shall be 160MT. The preliminary alignment of external connectivity road is as shown in Figure 2.1.</p>	<p>The bidder seeks clarification regarding the ROB for Pudukkottai Central, as mentioned in Clause 2.6 of Volume II, with an approximate connectivity length of 920m. The span details are not specified in Volume II but are referenced in the GAD on page 65 of Volume III as 4x25m (approach) + 31.26m (ROB portion) + 4x25m (approach). However, the structure layout plan on page 64 of Volume III neither reflects this span configuration nor includes the structure itself.</p> <p>The bidder understands the following:</p> <p>a). ROB span: 4x25m (approach) + 31.26m (ROB portion) + 4x25m (approach).</p> <p>b). Approach road length: 920m - (4x25 + 31.26 + 4x25)m = 751.26m.</p> <p>The bidder requests the following:</p> <p>a). Amendment to Volume II: Include the ROB span details explicitly.</p> <p>b). Revision of the structure layout drawing: Update page 64 of Volume III to align with the GAD provided on page 65.</p> <p>C). Bidder also request to provide the VUP location detail and span arrangement along with structure width.</p>	The details of ROB provided in RFP is indicative and the finalization of the GAD as per the approvals of Railway authorities/NHAI/ Any other agencies is in the scope of the EPC Contractor. The tentative location of the ROB and VUP has been provided in RFP.

S.No	Section/Page/Clause No.	Clause Description	Query/Clarification requested	Employer's Response
167.			Kindly confirm and amend the relevant documents accordingly.	
				
				
	Footnote Para-1 of Clause 2.7, Bridges & Culverts, Volume II Table 2.5 of Volume II	# Skew angles are not provided here as they are subjected to change as per the detail design agreed by Authority at bridge locations.	As per Footnote Para-1 of Clause 2.7, Bridges & Culverts, Volume II, the skew angles are not specified for bridges. The bidder understands that all spans provided in the table 2.5 are center-to-center skew spans. If the angle or span changes during execution, the bidder requests that it be treated as a change of scope.	EPC contractor scope.

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168.	Footnote Para-2 of Clause 2.7, Bridges & Culverts, Volume II	In addition to the above-mentioned minor bridges, 1 no. ROB and 1 no. VUP for Pudussery central, 70 nos. of balancing box culverts and for Kannambra 22 nos. of balancing box culverts are also proposed. Minimum size of balancing Box Culvert shall be 1.5m x 1.5m. However the location and sizes shall be finalised in consultation with employer’s Engineer during Detailed Engineering Stage.	<p>As per Footnote Para-2 of Clause 2.7, Bridges & Culverts, Volume II, it is mentioned that 70 Nos. box culverts are proposed at Pudussery and 22 Nos. at Kannambra, with a minimum size of 1.5x1.5m. The bidder requests the following:</p> <p>A. Details of Culverts: Kindly provide the GAD and specify the type of road (arterial, sub-arterial, collector, local industrial, or residential) on which these culverts will be constructed.</p> <p>B. Barrel Length: Kindly provide the barrel lengths for these culverts.</p> <p>C. Minimum Size Clarification: If the size of the culverts increases during execution due to site conditions or other factors, the bidder requests that such changes be treated as a change of scope.</p> <p>Kindly provide the required information and confirm.</p>	<p>Tender Conditions shall prevail</p> <p>A. Contractor to develop drawings during detailed design. B. Barrel length as per tender drawings C. No change of scope shall be considered.</p> <p>Being EPC contract the design responsibility is of the contractor, any changes due to the same shall not be payable extra. The total length for ROB shall be considered as 950 mtr.</p>																																																																																																																																																																																																																																														
169.		<div>2.9.2.2 Design Traffic</div> <div>• Notwithstanding anything to the contrary contained in the Schedules, the Contractor shall consider the pavement design for each of the road type for minimum traffic loading as shown below in Table 2.7.</div>	The bidder notes a discrepancy between the crust composition specified in Clause 2.9.3 of Volume II (40mm BC, 60mm DBM, 250mm WMM, and 200mm GSB) and the crust thickness derived from IRC:37-2018 Plate-4 for 8% CBR and 10 MSA (30mm BC, 60mm DBM, 250mm WMM, and 200mm GSB).	The Crust design shall be in line with IRC 37 latest edition and Contractor to submit crust detail design for approval with all supporting documents/reports.																																																																																																																																																																																																																																														

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	<div>Clause no. 2.8 of Volume II</div> <div>Clause no. 2.9.2.2 of Volume II</div> <div>Clause no. 2.9.3 of Volume II</div> <div>IRC: 37-2018</div>	<div><div>• Base traffic data shall remain same, and contractor shall not be permitted to change traffic data.</div><div><div>Table 2.7: Design Traffic</div><table><tr><th>Road ROW</th><th>30 m</th><th>24 m</th><th>18 m</th><th>15 m</th><th>12 m</th><th>9 m</th></tr><tr><td>Design Traffic (MSA)</td><td>15</td><td>15</td><td>10</td><td>10</td><td>10</td><td>10</td></tr></table></div><div><div>2.9.3 Pavement Composition</div><div>The Minimum Proposed Flexible Pavement thickness to be followed for different roads are as given in the Table 2.8. However, the new pavement shall be designed in accordance with IRC 37:2018 “Guidelines for the design of flexible pavements” and actual soil condition at the time of execution.</div><div><div>Table 2.8: Pavement Composition</div><table><tr><th rowspan="2">Sl. No.</th><th rowspan="2">Type of Road</th><th colspan="4">Pavement Thickness(mm)</th></tr><tr><th>BC</th><th>DBM</th><th>WMM</th><th>GSB</th></tr><tr><td>1.</td><td>Arterial Roads (30 m)</td><td>40</td><td>75</td><td>250</td><td>200</td></tr><tr><td>2.</td><td>Sub Arterial Roads (24 m)</td><td>40</td><td>75</td><td>250</td><td>200</td></tr><tr><td>3.</td><td>Collector Streets (18 m)</td><td>40</td><td>60</td><td>250</td><td>200</td></tr><tr><td>4.</td><td>Local Streets in Industrial Area (15 m)</td><td>40</td><td>60</td><td>250</td><td>200</td></tr><tr><td>5.</td><td>Local Streets in Residential Area (12 m)</td><td>40</td><td>60</td><td>250</td><td>200</td></tr><tr><td>6.</td><td>Local Streets in Residential Area (9 m)</td><td>40</td><td>60</td><td>250</td><td>200</td></tr></table></div><div><div><div><div></div>Surface course</div><div></div>Base/Binder course</div><div></div>WMM</div><div></div>GSB</div><div>Fig. 12.4 Catalogue for Pavement with Bituminous Surface Course with Granular Base and Sub-base - Effective CBR 8% (Plate-4)</div></div>	Road ROW	30 m	24 m	18 m	15 m	12 m	9 m	Design Traffic (MSA)	15	15	10	10	10	10	Sl. No.	Type of Road	Pavement Thickness(mm)				BC	DBM	WMM	GSB	1.	Arterial Roads (30 m)	40	75	250	200	2.	Sub Arterial Roads (24 m)	40	75	250	200	3.	Collector Streets (18 m)	40	60	250	200	4.	Local Streets in Industrial Area (15 m)	40	60	250	200	5.	Local Streets in Residential Area (12 m)	40	60	250	200	6.	Local Streets in Residential Area (9 m)	40	60	250	200	<div>The bidder requests clarification on which crust composition to adopt during bidding—whether to follow the specifications in Volume II or as per IRC:37-2018. Kindly confirm and provide guidance.</div>	
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170.	Volume : 02 -TECHNICAL SPECIFICATION 2.8 Embankment & Subgrade	When corridor passing through BC soil, the unsuitable top 500 mm thick shall be replaced with a suitable soil. And capillary cut-off shall be provided to arrest the capillary rise of water	Please provide the bore logs and geotechnical investigation report to quantify the Volume of these activities	The geotechnical report is enclosed in the Addendum-03, It is clarified that being a EPC contract the investigation including but not limited to topographical survey, geotechnical investigation etc are part of scope of the contract without any time and cost implication to the employer.																																																												
171.	Volume : 02 -TECHNICAL SPECIFICATION 2.12.5.3 Reinforcement Steel	This shall be high yield strength deformed bars (CRS- Corrosion Resistant steel) conforming to Fe 500.	Please confirm CSR steel is a mandatory requirement of all the structures above and below ground irrespective of severity of the environmental conditions.	Tender conditions shall prevail.																																																												

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172.	Clause 2.4.8 of Volume-II page No. 25	2.4.8 Kerbs and Median Along the carriageway barrier type Kerb shall be provided as per IRC:86-2018. The central median shall have suitable drainage system so that water does not stagnate in the median. Along the median, appropriate longitudinal drain shall be provided to drain off rainwater . The drain should have adequate longitudinal slope to the nearest culvert to drain off transversely. In super elevated sections the longitudinal drains should be designed to take the discharge from one side carriageway also.	As per Clause 2.4.8 of Volume II (Page 25), it is mentioned that a median drain will be provided at superelevation sections; the bidder requests clarification on the provision of median drains and the specific chainages where they are required.	It is EPC contractors responsibility to design the median ,drains , etc as per tender conditions.
173.	Clause 2.4.9 of Volume-II page No. 25	2.4.9 Multifunctional Zone/ Separator (Plantation) A separator between main carriageway and footpath/cycle track, shall be provided along the road corridor on either side as per the cross section. The width of separator shall be as per the cross section. Suitable drainpipes at 10m interval shall be provided to drain out the water from the carriageway.	As per Clause 2.4.8 of Volume II (Page 25), it is mentioned that drain pipes will be provided at every 10m; the bidder requests clarification on whether these pipes are NP-4 or made of another material. Kindly specify.	Drainpipe shall be UPVC with proper encasing/protection.
174.	Volume : 02 -TECHNICAL SPECIFICATION 2.18 Maintenance Requirements	Power Water & Fuel for generator during power failure	Please confirm power , water and Fuel for generator required for the operation (during power shutdown) of the Plant will be paid by the Client	It is part of detailed design of EPC contract. Tender Conditions shall prevail
175.	Tendernotice_2/ Pg 43/ 3.1	Water Supply	Pudussery Central: As mentioned in Clause 3.1— Background, the WTP falls under KINFRA's scope. We presume that the Clear Water Pump House within the WTP premises is not in the scope of this tender, please confirm.	Confirmed, not a part of the tender
176.	Tendernotice_2/ Pg 44/ 3.1.1	Water Supply	Kindly provide the Plot wise population for both Kannambra and Pudussery central.	Population is indicative and detailed design in the contractor's scope
177.	Volume : 02 -TECHNICAL SPECIFICATION 3. Potable Water Supply Network including Firefighting System	For Pudussery Central, water shall be sourced from KINFRA WTP being implemented by KINFRA. The routing of the transmission main shall be finalised in consultation with EIC.	Please confirm whether the tie-in point will provide sufficient flow and pressure to meet the mass balancing reservoir (MBR) process requirements.	EPC contractors have to assess the pressure requirement based on the detailed design as per the CPHEEO latest guidelines and coordinate with SPV team to obtain sufficient flow and pressure.
178.		For Kannambra the water shall be provided at the battery limit by KINFRA.	Please define the Battery limit	Refer Volume 2 Figure 3.3
179.	Volume : 02 -TECHNICAL SPECIFICATION 3.2.2 Transmission Network- Potable Water	It would be under contractors' scope to lay transmission mains for supply of water from KINFRA WTP to project boundary tie in connection	Please confirm Sufficient Pressure and Required Tie in Flanges will be provided at KINFRA WTP by the Client . Please confirm the water transmission line from WTP till the Boundary wall of the Project scope is direct burial without any concrete or masonry trenches.	EPC contractors has to assess the pressure requirement based on the detailed design as per the CPHEEO latest guidelines and coordinate with SPV team to obtain sufficient flow and pressure.
180.		Any clearances and approvals required from local governing bodies shall be under contractors' scope of work.	Please confirm preliminary ROW approval is already obtained by the client.	Tender conditions shall prevail
181.	Volume : 02 -TECHNICAL SPECIFICATION 3.3.6 Property Connections - Page 50	Service pipes should be laid up to plot boundaries in the Project area. The service pipe details are as defined below:	Please confirm that the service connection scope is not included as part of this tender. If it is included, kindly provide details on the pipeline size, tie-in chamber requirements—including isolation valves, pressure control valves, and flow meters. Alternatively, please share the standard tie-in point specifications and the water demand for each plot, along with the total number of plots.	The water supply distribution system shall be designed up to the individual plot boundary. The contractor is responsible for providing the connection point for each plot owner
182.			Please confirm any Automation or MOV's are required at this points to manage the overall water demand and supply requirements.	Tender conditions shall prevail. The RTU and its associated UPS for all field equipment's/instruments is in the scope of the contract. The price for same shall be deemed

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				included in the price bid. Utility SCADA but not limited to power, water, waste water, treatment plants are in scope of the contract.
183.		3.3.10.3 Pressure Reducing Valve	Please confirm the Globe type pressure reducing cum sustaining valve with diaphragm control is only required.	As per relevant IS standards
184.	Volume : 02 -TECHNICAL SPECIFICATION 3.3.11 SCADA/ Automation	The butterfly valves on greater than 300m pipelines shall have actuators, however standalone RTU with high speed network connectivity/GSM and UPS shall be in scope of Master ICT System Integrator.	Please confirm the ICT system integration will supply the Electrical motor for the actuators , power cabling , control cabling and integration works . EPC contractor scope is limited only supply the valves with gear box.	The RTU and its associated UPS for all field equipment's/instruments is in the scope of the contract. The price for same shall be deemed included in the price bid. Utility SCADA but not limited to power, water, wastewater, treatment plants is in scope of the contract. All electric motor for control valves within the distribution network and its associated power supply and interlink to utility SCADA is part of the current contract and the cost of all above deemed to be included in the price bid.
185.	Tendernotice_2 / Pg 51/ 3.3.11	Standalone RTU with high-speed network connectivity/GSM and UPS shall be in scope of Master ICT System Integrator.	We understand that the RTU and its associated UPS are not within the contractor's scope. Kindly confirm this and clarify the scope of laying the power cable from the CSS to the UPS.	The RTU and its associated UPS for all field equipment's/instruments is in the scope of the contract. The price for same shall be deemed included in the price bid. Utility SCADA but not limited to power, water, wastewater, treatment plants is in scope of the contract.
186.	Volume : 02 -TECHNICAL SPECIFICATION 3.5 Design Parameters for Distribution Network	House Service Connection for Water Supply and Recycled Water Network	Please confirm EPC contractors scope to include the House service standard details to be provided as a part of the design scope and not construction scope related to last mile connectivity is included with in EPC contract	The water supply distribution system shall be designed up to the individual plot boundary. The contractor is responsible for providing the connection point for each plot owner
187.	Volume : 02 -TECHNICAL SPECIFICATION Page : 53	Pumps shall be selected for a speed not more than 1500 rpm. If VFD based pumping systems are selected, then turn down operating condition should not be below 30 - 50% of original speed.	Please confirm whether additional flow control valves, more number of pumps with lower capacities , and VFDs to manage low flow during the initial stages of park operations are excluded from the design considerations	Tender Conditions shall prevail
188.		Suitable vibration monitoring system for all pumps and RTD and BTD's for HT motor-based pumping system	Please confirm , separate vibration monitoring system control panel is not required and the inputs of the sensors can be connected directly to the pumping station PLC	Tender Conditions shall prevail
189.		Stainless steel (SS 304) expansion bellows/ dismantling joints shall be provided between pump delivery valves and at header connection for ease of installation and dismantling.	Please confirm the Expansion joint materials are SS304 and Dismantling joints are with DI with HDG fastners.	Tender Conditions shall prevail
190.		Fire Fighting pumping system shall comprise of diesel engine operated pumps and suitable jockey pumps as per the guidelines of NFPA and local Fire norms.	Please confirm electrical motor driven pumps are not required as per this clause .	NFPA guidelines shall prevail. The fire pump shall comprise of minimum 3 no. of electrical pumps (2 W+1S), Diesel pump and Jockey pump of required capacity as per Statutory requirements for fire system.
191.	Volume : 02 -TECHNICAL SPECIFICATION Page : 54	Contractor shall consider suitable disinfectant dosing system (chlorine/ hypochlorite) dosing system in the pumping system with suitable	Please confirm whether water quality analyzers are required for calculating dosing quantity or if only standard dosing is necessary. Additionally, since	Disinfectant dosing system is mandatory. The water

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		preparation and online dosing equipment for potable and recycle water network pumping system.	TSE water is not intended for potable use, kindly clarify whether the supply of a dosing system is mandatory.	analyzers are required to check the residual chlorine requirement in the potable / recycled water.
192.	Page. 55 of 919	Tender Notice 2 Cls. 3.1.1	It seems only residential and employment population is given, but water demand for Dispensary, Nursing home, Angadwadi, Police post, Convenience shopping etc was given in LPCD. Kindly clarify the population to be considered for the above entities.	Refer Volume 2, Table 3.4 and Table 3.5.
193.	Volume : 02 -TECHNICAL SPECIFICATION 3.7 Required Analysis of Source Water	The contractor has to perform the following analysis of source water as per IS 10500: 2012.	Since we are receiving the potable water from WTP ,Please confirm the pupose of this clause	Tender conditions shall prevail
194.	Tendernotice_2/ Pg 57/ Fig-4.1, 4.1 And Dwg. No.7230110-PAL-IMC- C-RW-OL-0003	Recycle Water Supply network Numbers of ESR in Recycle water supply network	For Puduserry central layout, for Recycle water supply network 3 nos. of ESR shown in Fig-4.1. However, as per dwq. No. 7230110-PAL-IMC-C-RW-OL-0003 only 2 nos. of ESR shown. Kindly clarify the number of ESR requirement for Puduserry central layout.	Design is in the scope of EPC contractor. The Bidder to design the same based on District Metering Area concept with minimum 14 m residual pressure at each property/consumer in line with Latest CPHEEO manual on Water Supply and Treatment and plan and design the ESR/OHT accordingly. Further, the storage capacities of the tanks shall be in line with latest CPHEEO manual on Water Supply and Treatment EPC contractor should go through the relevant information available in Tender Document and design accordingly.
195.	Tendernotice_2/ Pg 57/ 4	Recycle Water Supply network	Kindly provide the Demand sheet and Reuse Layout Network Map for Palakkad DMC.	Summary table provided with network map in Volume 3 Tender conditions shall prevail.
196.	Page.58 of 919	Tender Notice 2 Cls. 3.2.2	It is understood that pumping main should be laid from KINFRA WTP to MBR in Puduserry central, but in figure 3.3 pumping mail is shown for towards Puduserry west also. Kindly confirm the pumping demand only for Puduserry central for design or to be include the Puduserry west too?	This Tender relates to Puduserry Central and Kannambra. However, Transmission main is to be designed with due consideration of Puduserry central & west. Puduserry West is not part of this Tender. All the conditions of Tender Document shall prevail.
197.	Page.59 of 919	Tender Notice 2 Cls. 3.2.2	Peak factor is given upon contributory population, but it is not specified for the industrial, amenities, commercial demands etc. kindly provide (if peak factor to be considered for these entities).	Tender condition shall prevail.
198.	Tendernotice_2/ Pg 60/ 5	Storm water drainage	Identification of existing storm water drains / drainage corridors including age-old drainage conduits for rehabilitation in contractor scope. We presume that there is no scope of rehabilitation work in the current tender scope. Kindly confirm If there, kindly share the details like location of drain, Size, length of drain to be considered.	Tender conditions shall prevail.
199.	Page.60 & 62 of 919	Tender Notice 2 Cls. 3.2.5	Kindly suggest the residual pressure for the industrial, amenities, commercial demands etc. where there no storied provided for the structures. Residual pressure will be considering the design of 7m generally as specified in table 3.9 Kindly confirm.	Please refer to the Addendum-01, Sr no 36

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200.	Page.62 of 919	Tender Notice 2 Cls. 3.6	We presume that pumping station shall be constructed in KINFRA WTP location to pump the water to MBR and required space is available there, kindly confirm.	Construction of Pumping station at WTP is in the scope of KINFRA and laying of transmission main from pumping station to MBR is in the scope of contractor.
201.	Page 67 of 919	Tender Notice 2 Cls. 4.0	As only one RESR is proposed in tender for recycled water, treated water could be pumping to RESR directly by avoiding MBR for recycled water. Kindly confirm.	MBR for recycle water is proposed to create redundancy in the system.
202.	Volume : 02 -TECHNICAL SPECIFICATION 6.3.16 Property Connections	Scope of Property connection starts from laying of service pipe from plot boundary up to nearby sewer manhole. Property connection shall be terminated with the end cap at the property boundary.	Please clarify the scope of property connection is not a part of this EPC contract.	The water supply distribution system shall be designed up to the individual plot boundary. The contractor is responsible for providing the connection point for each plot owner
203.	Page.85 of 919	Tender Notice 2 Cls. 6.3.3	Peak factor is given upon contributory population, but it is not specified for the industrial, amenities, commercial demands etc. kindly provide (if peak factor to be considered for these entities).	Tender condition shall prevail.
204.	Tendernotice_2/ Pg 86/ 8.1	Instrumentation and Fiber Optics cables as required for interfacing with SCADA.	We understand that the supply and laying of optical fiber cable from the substation SCADA to the CSS/RMU and throughout the ICT network is within the contractor's scope. Kindly confirm. Also, please specify the fiber optic cable core count required for each utility system, such as LMS, Substation SCADA, Potable Water, Recycled Water, etc.	Optical fibre cable is not part of this contract. The cable trench to be designed such that fibre optic cables provision is to be included, this is mentioned in the trench drawings. However, note that ICCC building and ICT works are to be under a separate contract. Utility SCADA but not limited to power, water, wastewater, treatment plants is in scope of the contract.
205.	Volume II,Clause 8.1 Scope of Power system Page no.86	For the Pudukkottai central area 1 No. 110/11kV Main Receiving Substation (MRSS) with Cable cellar: Housing 110kV GIS based switchgear, 110kV Control and relay panels, 11kV GIS based switchgear, 415V LT Auxiliary Switchgear, 110kV/11kV Power transformers, 11kV/0.433kV Auxiliary transformers, Battery & Battery Chargers, RTCC Control panels, SCADA system with uninterruptible power supply system etc.	<ul style="list-style-type: none"> Need to clarify details of power Supply Kanjikode Substation have Bay & Breaker arrangement as being part of Contractor or already available. Details required Scope clarification for Future Power transformers arrangement (2*45 MVA 110/11kV & 1*16 MVA 110/33 kV) upto what level made to be Contractor. Ref:- Drawing No. 72301100-PAL-IMC-C-PW-SLD-0004 	<p>Please note that, providing 110KV power supply from Kanjikode substation is under scope of KSEB. Refer Addendum-01, Srno 38</p> <p>However, space provision shall be considered in the MRSS for the above future equipment as indicated in Volume 2 specification.</p>
206.	Volume II,Clause 8.1 Scope of Power system Page no.86 -87	<p>For the Pudukkottai central area consider Double circuit, 110kV XLPE Copper Cabling through RCC cable trench from 110kV Kanjikode Substation to Pudukkottai Central project boundary (approx. 4Km route length) including Cable termination at both the ends. From Pudukkottai Central project boundary to MRSS, Cable shall be laid through HDPE DWC pipes along the median of the Road. Dedicated HDPE DWC pipe shall be provided for each cable for project area.</p> <ul style="list-style-type: none"> For the kannambra site consider Double circuit, 33kV XLPE Copper Cabling through RCC cable trench from 33kV Vadakkanchery Substation to kannambra site boundary (approx. 8Km route length) including Cable termination at both the ends. From Kannambra project boundary to MRSS, Cable shall be laid through HDPE DWC pipes along the median of the Road. Dedicated HDPE DWC pipe shall be provided for each cable for project area. 	<ul style="list-style-type: none"> Need to clarify details of power Supply Kanjikode Substation and 33kV Vadakkanchery Substation have Bay & Breaker arrangement as being part of Contractor or already available. <p>Ref:- Drawing No. 72301100-PAL-IMC-KAN-PW-SLD-0004</p>	<p>Please note that, providing 110KV power supply from Kanjikode substation is under scope of KSEB. Refer Addendum-01, Srno 38</p> <p>However, space provision shall be considered in the MRSS for the above future equipment as indicated in Volume 2 specification.</p>

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207.	Volume : 02 -TECHNICAL SPECIFICATION 8. Power System	DG Sets for Critical loads of CETP/STP and Pumphouse loads etc. DG power is not required for Outdoor lighting.	Please confirm the Emergency back up stand by DG sets are required only for CETP and STP and the capacity of the DG set is 500kVA, 415V, 3PH, 50Hz,0.8 PF, OUTDOOR DG SET for both areas as mentioned on the SLD .	DG Sets will be required for Critical loads of CETP, STP, Reuse pumping station, MBR, ESR , Potable water Pumping Station etc. Rating & Capacity of DG set will be decided during detail design stage as per site condition requirement.
208.		Power Meters SMART TYPE (SCADA Compatible) for each Plots of Pudukkottai Central as directed by Engineer-in-charge.	Please confirm stand alone power metring cabinets as a part of the FP for each plot need to be provided as apart of the EPC scope . Please confirm this requirement is limited only for the Pudukkottai Central	The requirement is for both Pudukkottai central and Kannambra.
209.	Tendernotice_2/ Pg 95/ 8.5.3	110 kV GIS Fault level	From the stated clause, we understand that 110 kV GIS substation fault level shall be 31.5 kA for 1 sec. Whereas in Vol - III, Drawings, Drawing No. 72301100-PAL-IMC-C-PW-SLD-004, single line diagram as well in Clause no. 8.5.11 (page no. 101) 40 kA for 1 sec fault level has been mentioned. We presume that 110 kV GIS substation fault level shall be 31.5 kA for 1 sec. Kindly confirm.	The EPC contractor shall design the fault levels as per Kerala State Electricity Board regulations / Kerala Electrical Inspectorate.
210.	Volume-II_Technical Specification / Page 95 / 8.5.3 Short Circuit current of 110KV, 33KV,11KV & 0.415V of System Table 8.5 Short circuit current	11KV GIS: 31.5KA/1Sec	11KV GIS with 31.5KA design is not available in the market. Please accept 11KV GIS with 26.3KA STC.	The EPC contractor shall design the fault levels as per Kerala State Electricity Board regulations / Kerala Electrical Inspectorate.
211.	Volume II,Clause 8.5.7 Load Norms ,Page No. 96	Load Norm - Power demand estimates for the Palakkad IMC – Pudukkottai Central may be derived based on figures and assumptions as mentioned in Table below. These figures are only for contractor's reference. However, the contractor should arrive at necessary power demand basis and get it approved from client before the start of detailed engineering and design.	o load assessment based on the proposed land use (e.g., industrial, commercial, residential etc).Sizing of construction Area /Plot size are required for Load Calculation. Detailed load sheets for plots/zones, which are necessary for CSS planning. oThe basis for load calculations, such as load densities (VA/sqm or per plot type) and diversity factors.	Site wise Estimate Power demand is below for reference only. Pudukkottai central - 83MVA Kannambra - 20MVA However, the contractor should arrive at necessary power demand basis and get it approved from Kerala Electrical Inspectorate / Kerala State Electricity Board and client before the start of detailed engineering and design. The basis details for load calculations, such as load densities (w/sqm) and diversity factors is available in Table 8.9 & 8.10 Page 97. The load norms and diversity factor shall be as per Kerala State Electricity Board norms.
212.	Volume : 02 -TECHNICAL SPECIFICATION 8.5.8 Existing Power Source and Proposed power distribution for Palakkad IMC - Pudukkottai Central and Kannambara site	For Pudukkottai west, provide space for 2nos110kV/33kV transformers of minimum 16MVA rating and 33kV GIS switchgears in the Pudukkottai central MRSS to cater power supply to Pudukkottai west and Future 33kV consumer if any.	Please confirm only Space to be provided on the substation building for the 33 KV GIS switch gear and 110 /33 kV transformer is required	Tender conditions shall prevail.
213.		33kV power supply shall be distributed to individual consumers through 33kV RMU's in proximity of each type of consumers connecting 19kV/33kV (E) XLPE FRLS cables laid through RCC cable trench with FRP cable tray from nearest proposed 33kV/11kV Zonal substations.	Please confirm this scope is not included as a part of this EPC scope	Tender conditions shall prevail.
214.		In case of consumer required 110kV or 33KV Power supply, based on their contract demand, boundary of power distribution scope is up to consumer's periphery.	Please confirm this scope is not included as a part of this EPC scope	Tender conditions shall prevail.
215.	Tendernotice_2/ Pg 97/ 8.5.8	Space for Future Power Transformer	From the stated clause, we understand that space for minimum 2 nos of 33/11 kV, 16 MVA Power Transformer shall be provided for Pudukkottai west location in the proposed 110/ 11 kV MRSS. However, in Vol — III, Drawings, Drawing No. 72301100-PAL-IMC-C-PW-SLD-004, single line diagram,	Space for 2 nos of 33/11 kV, 16 MVA and 1 no 110/11kV 45MVA Power Transformer shall be provided for Pudukkottai west location in the proposed 110/ 11 kV MRSS.

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			110/33kV, 1 no of 16 MVA and 1 no of 4S MVA Power Transformer has been shown. Kindly clarify the requirement.	
216.	Tendernotice_2/ Pg 97/ 8.5.8	Solar Power	From the stated clause, we understand that only feeders shall be considered in the 11 kV GIS Panel by the bidder for the future provision for solar incoming power and solar system is not included in the scope of work. Kindly confirm.	Confirmed.
217.	Tendernotice_2/ Pg 97/ 8.5.8	Power Transformer	From the stated clause, we understand that N+1 of 110/11 kV & 33/11 kV, adequate rated power transformers shall be considered for the proposed MRSS at Pudukkottai central and Kannambara site location respectively. However, in Vol — III, Drawings, Drawing No.72301100-PAL-IMC-C-PW-SLD- 004 & 72301100-PAL-IMC-KAN-PW-SLD-004, single line diagram, 3 nos of power Transformers has been shown in both locations. Kindly clarify the requirement.	As per tender specification and drawings.
218.	Volume : 02 -TECHNICAL SPECIFICATION 8.5.9 External connectivity	External Connectivity	Please confirm whether this clause takes precedence over all other clauses referring to external connectivity details.	Tender conditions shall prevail
219.	Tendernotice_2/ Pg 100/ 8.5.10 and Tendernotice_2/ Pg 568/ 11.6.5	Basic Electrical data Substation Design Design Requirement Buildings and Structures	All switchgears panels are free floor standing type. The foundation frames for installation shall be flush with finished floor level and cable open area in trenches shall be covered with MS Checkered plates. and All floors cut out and cable ducts, etc. shall be covered with pre-cast concrete covers in outdoor areas and Stainless Steel 304 Checkered plates of adequate thickness in indoor areas. We presume that MS Checkered plates shall be used to cover the cable open area in indoor trenches. Kindly clarify.	The Chequered plates to be FRP/GRP to mitigate corrosion
220.	Tendernotice_2/ Pg 104/ g.5.18	11kV RMU	Kindly note that 11kV RMU is mentioned as 3 or 4 ways. However, in Vol - III, Drawings, Drawing No. 72301100-PAL-IMC-C-PW-SLD-005 & 72301100-PAL-IMC-KAN-PW-SLD-004, 5 ways are shown. Kindly note that a maximum of 6 ways is available in the market and we would request to accept 6 ways which will reduce the number of RMU's.	Detail design and engineering is in the selected EPC scope and the RMU configuration will be decided as per site requirement during the detail design stage.
221.	Volume II, Clause 8.5.18 11kV Ring Main Units,Page No. 104-105	RMU shall be 3-way or 4 way 12 kV, extendable type, free standing, self-healing, outdoor, metal clad SF6 insulated Ring Main Unit (RMU) along with metering, PTs, CTs etc. The RMUs shall be provided at the proximity of each type of consumers. The outdoor type RMU shall be extendable type and stand alone.For the space optimization and to reduce the cable sizes all RMUs shall be fed from nearby zonal substations. To maintain the redundancy and reliability in the power supply distribution network,11 kV Ring main units shall be connected in a 'Ring'. Each ring shall be connected to separate sources through the feeders on the different buses	specify on the connected to separate sources through the feeders on the different buses whether use double run or single Run used for looping with the cable Sizing	Please refer to the tender drawings. However, cable sizing calculation shall be provided by EPC contractor.
222.	Tendernotice_2/ Pg 115/ 8.5.36	High mast	From the stated clause, we understand that the High Mast Lighting system shall be considered only at 4 way Road junctions. Kindly confirm.	Confirmed. It should be at all 4 way junctions for proper lighting.
223.	Volume : 02 -TECHNICAL SPECIFICATION 8.7.22 Training	Training to Ten (10) persons of KSEB on construction, installation, commissioning and O&M shall be imparted by bidder free of cost. Duration of the complete training shall be 7 working days, covering minimum below specified curriculum. Any other specific area may be brought to notice and included.	Please confirm this requirement is a part of the EPC scope	Training to Ten (10) persons of KICDC / Any Nominated persons by the KICDC on construction, installation, commissioning and O&M shall be imparted by bidder free of cost. Duration of the complete training shall be 7 working days, covering minimum below specified curriculum. Any other specific area may be brought to notice and included.
224.	Tendernotice_2/ Pg 231/ 8.11.4.1	33kV & 11kV GIS Panel	As per referred clause, "The indoor GIS shall have VCB, three position disconnecting switch and Bus bar shall be enclosed in SF6 gas." Bidder request you to modify as "The indoor GIS shall have VCB, three	Tender conditions shall prevail

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			position disconnecting switch shall be enclosed in SF6 but bus bar & Coupling shall be touchproof silicon/SF6 gas insulated as per IEC type tested design."	
225.	Tendernotice_2/ Pg 231/ 8.11.4.2	Switchgear Operator Interfaces	As per referred clause, "All the basic mechanical ON/OFF of CB, Isolator & earth switch operation, manual spring charge of CB must be possible without opening the door to ensure the operator safety." Bidder request you to modify as "All the basic mechanical ON/OFF of CB, Isolator & earth switch operation, manual spring charge of CB must be possible without opening the High Voltage door to ensure the operator safety as per IEC type tested design."	The clause will be read as: "All the basic mechanical ON/OFF of CB, Isolator & earth switch operation, manual spring charge of CB must be possible without opening the High Voltage door to ensure the operator safety as per IEC type tested design."
226.	Tendernotice_2/ Pg 231/ 8.11.4.2	Switchgear Operator Interfaces	As per referred clause, "Mechanical mimic directly linked to mechanism shall be provided at the panel front door." Bidder request you to modify as "Mechanical/Electrical mimic directly linked to mechanism shall be provided at the panel front door as per IEC type tested design".	Noted. Mechanical/Electrical mimic directly linked to mechanisms shall be provided at the panel front door.
227.	Volume-II_Technical Specification / Page 231 / 8.11.4 Design Features of SF6 Gas Insulated Switchgear 8.11.4.1 General Description	The indoor GIS shall have VCB, three position disconnecting switch and Bus bar shall be enclosed in SF6 gas.	Since no 11KV GIS design is available in market which has Busbar in Gas tank. Hence, we request to accept VCB, three position disconnecting switch, shall be enclosed in SF6 gas but Bus bar & Coupling shall be touchproof silicon insulated as per IEC type tested design.	Please note that, 11KV GIS with bus bars inside gas tank are also available in the market. Please comply with the specification.
228.	Volume-II_Technical Specification / Page 231 / 8.11.4 Design Features of SF6 Gas Insulated Switchgear 8.11.4.1 General Description	Mechanical mimic directly linked to mechanisms shall be provided at the panel front door.	Mechanical/Electrical mimic directly linked to mechanism shall be provided at the panel front door. This is as per IEC type tested design. Please accept.	Noted and accepted.
229.	Volume-II_Technical Specification / Page 232 / 8.11.4 Design Features of SF6 Gas Insulated Switchgear 8.11.4.5 Enclosure & Segregation	Busar: Gas Insulated	Since no 11KV GIS design is available in market which has Busbar in Gas tank. Hence, we request to accept VCB, three position disconnecting switch, shall be enclosed in SF6 gas but Bus bar & Coupling shall be touchproof silicon insulated as per IEC type tested design.	Please note that, 11KV GIS with bus bars inside gas tank are also available in the market. Please comply with the specification.
230.	Tendernotice_2/ Pg 245/ 8.11.11	Internal Arc Test	Bidder request to confirm the classification of internal arc fault level of GIS panel (AFL or AFLR). In case of AFL, Panel front & Lateral side are arc protected but rear side not protected. In case of AFLR, Panel front, Lateral & rear side are arc protected.	Internal arc fault level of GIS panel - ALFR
231.	Volume : 02 -TECHNICAL SPECIFICATION 8.22.10.1 Intelligent Street Pole (Smart Pole)	The smart city Phase A activation area shall have minimum number of intelligent street poles as detailed elsewhere in the tender. However, it shall be contractor's obligation to provide a higher number in case needed for proper implementation of the smart city concept.	Please confirm this clause is not relevant to this EPC scope	Intelligent street poles are not included in the scope
232.	Volume : 02 -TECHNICAL SPECIFICATION 8.30 Technical specifications for RCC cable trench with Cable tray's	RCC Trench & Civil works for 33KV ,11kV, and 1.1kV and OFC complete in all resects, Cables shall be laid in tier formation through the cable trenches which is not scoped in this tender	Please clarify , which part of th job mentioned as " not scoped in this tender"	Please note that, this is a typo error. The clause should be read as " which are scoped in this tender".
233.	Volume : 02 -TECHNICAL SPECIFICATION 9.2 Detailed scope of project (STP)	Conduction of one month performance guaranteed test to perform the guarantees for treated effluent and others (power, chemicals consumption) after successful commissioning and stabilization of common effluent treatment plant.	Please provide the Performance guarantee penalties (if applicable)	Pl refer Tender Vol 1 Clause 43.3 - Penalties for Treatment Plants (STP, CETP) which is self-explanatory
234.		Construction of permanent boundary walls and/or fence and internal fencing, entry gates and lighting including any temporary fencing required during construction	Please confirm separate compound wall is required for STP/ETP	Separate compound wall is required for STP/ETP.
235.		Disposal of STP residuals like but not limited to screenings, grit, dewatered sludge (primary sludge, secondary sludge) shall be disposed of at the nearest Common Hazardous Waste Treatment Storage & Disposal facility CHWTSDF facility, including all cost of transportation and treatment charges. The primary and secondary sludge shall be used	As per the scope mentioned on the other areas " disposal of sludge is limited only up to the solid waste disposal area with in the EPC construction limit developed by the client . Please confirm , there is a CHWTSDF will be constructed through a different EPC contract as a part of the Industrial corridor development . Please confirm , the testing of sludge is not a part of	Tender conditions shall prevail.

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		as agricultural manure after conducting necessary standard toxicological tests in an NABL accredited laboratory.	the scope of this contract. Since the Quality of Inlet paramers are already guaranteed by the Client , the SLUDGE may not have hazardous waste	
236.		The Contractor shall be responsible for identifying suitable Chemical Hazardous Waste Disposal and Treatment Facility (CHWSTF) disposal location/land/site and route(s) for all sludge arising from the Works and dispose of the sludge and for paying all tipping & transportation charges and other associated costs including that for land/site.	Please confirm , the CHWSTF is with in the industrial park	Please refer the Addendum-01, Sr No 29
237.	Tendernotice_2/ Pg 415/ 9.2	Detailed scope of project	1. Boundary wall with top barbed fencing for the required perimeter of site. 2. Construction of permanent boundary walls and/or fence and internal fencing, entry gates and lighting including any temporary fencing required during construction We presume that boundary walls can be made of chain link fencing is acceptable as permanent boundary. Please confirm. If not, kindly provide the typical drawing for boundary wall with MOC.	Tender conditions prevail.
238.	Tendernotice_2/ Pg 420 & 445/ 9.5, 10.4 And Tendernotice_2/ Pg 819/ 12.25	STP & CETP- Workability and maintenance Standard mechanical specification- Handrailing, Walkways, Flooring and Ladders	1. Handrails shall be SS- 304 Schedule 10 made of 32NB pipes/tubes with top and intermediate rows of pipes running parallel to each other and the height of railing not less than 1100mm.The distance between 2 vertical posts shall not be more than 1.5 meters. The post shall also be of 32 NB. 2. Heavy duty aluminium tubular handrailing in accordance with BS 4592 shall be provided. The handrailing shall have a handrail 1100 mm above the floor or walkway and an intermediate rail 550 mm above the floor or walkway. Handrailing shall be to the approval of the Engineer. Kindly confirm the MOC of Handrail for different structures.	MOC clarification about handrail - SS316 handrail shall be used for outdoor applications, and SS304 handrail shall be used for indoor (inside building) applications, including a 150mm wide and 3 mm thick toe guard and material shall be the same as handrail. Supporting platforms structural steel works can be in CS with Hot dipped galvanized finish with gratings in FRP/GRP as per as per IS 2629 of latest version.
239.	Tendernotice_2/ Pg 420/ 9.6.2 Tendernotice_2/ Pg 446/ 10.5.2	General Process Design Requirements for STP General Process Design Requirements for CETP	The bidder requests that in the event of process deterioration caused by variations in feed water / influent quality, the process may be disturbed. Restoring the process may require additional chemicals, modifications, or other services depending on the specific process requirements which cannot be predicted at this stage. In such cases, the bidder requests that the costs incurred to restore the system shall be reimbursed by the Employer at actuals. Kindly confirm.	Tender conditions shall prevail.
240.	Volume : 02 -TECHNICAL SPECIFICATION 10.5.2	10.5.2 Industrial Raw Influent Quality	Please confirm, the outlet raw effluent quality from the Industry or the inlet raw effluent quality to the plant will be guaranteed by the client .	Refer the Volume II, Table 10.1. However, this detail is indicative and subjected to change during the detail design stage.
241.		Process Scheme of ETP	Please confirm the process scheme proposed by the ETP will be sufficient for achieving the required Quality output of ETP	The proposed treatment scheme is indicative. Bidders can propose additional units or equipment to meet the required outlet quality parameters.
242.		11.1.11.4 Temporary Over Pumping	Since the Project is 100 % new , there will not be any over pumping requirements for the Sewerage networks	Tender Conditions shall prevail
243.	Tendernotice_2/ Pg 564/ 11.6.1	Design requirement	The walls and base slabs of liquid retaining structures shall be designed as per Limit State Method provisions of JS 3370 (Part 2): 2009. We presume that walls and base slabs of liquid retaining structures shall be designed as per Latest version of IS 3370:2021 (Part 1 & 2). Kindly Confirm.	All Water Retaining structures shall be designed as per latest IS 3370
244.	Tendernotice_2/ Pg565/11.6.1	Design requirement	Minimum Cover to the reinforcement for Column pedestal, Foundation slab & Face in contact with sewage and effluent is 75 mm. As per IS: 456 Table 16 recommended that for 'very severe and severe' exposure conditions, minimum nominal cover is 50 mm and 45mm, respectively. Hence, kindly allow the contractor to design the structures as per IS code provisions. Kindly confirm.	The reinforcement covers shall be as per IS 456 latest editions.
245.	Tendernotice_2/ Pg 565/ 11.6.1	Design requirement	All pipes and conduits laid below the structural plinth and road works shall be embedded in concrete of grade M-20 having a minimum 150 mm thick	Design, being Contractors Scope. The contractor is required to submit detail design for the protection

S.No	Section/Page/Clause No.	Clause Description	Query/Clarification requested	Employer's Response
			concrete cover all around. Kindly allow the contractor to adopt the encasement thickness with respect to the design. At deeper depth concrete encasements for pipe and conduits can be neglected.	with detailed back up on loads etc to provide utility protections.
246.	Tendernotice_3&4/ Drawings	General	Kindly provide the AutoCAD drawings for the following networks for both Kannambra and Pudukkottai Central: Potable Water Distribution and Transmission Main, Reuse Water Distribution and Transmission Main, Sewer Network Effluent Network.	Tender conditions shall prevail.
247.	Tender Document III and IV at Electrical Portion	AUTOCAD DRAWINGS	Bidder Required Autocad Drawing for all layouts plan. Ref:- Drawing No. 72301100-PAL-IMC-C-PW-OPD-0016, 72301100-PAL-IMC-C-PW-OCR-0048, 72301100-PAL-IMC-C-PW-OCT-0080, 72301100-PAL-IMC-C-PW-OSL-0118, 72301100-PAL-IMC-C-PW-FP-0150, 72301100-PAL-IMC-KAN-PW-FP-0146, 72301100-PAL-IMC-KAN-PW-OSL-0114, 72301100-PAL-IMC-KAN-PW-OPD-0012, 72301100-PAL-IMC-KAN-PW-OCT-0076, 72301100-PAL-IMC-KAN-PW-OCR-0044.	Tender conditions shall prevail.
248.	Tendernotice_3'4/ Drawings	Typical Drawings of MBR	Kindly provide the typical drawing of the Mass Balancing Reservoir (MBR) for Potable & Reuse, along with the respective capacities for both Kannambra and Pudukkottai Central.	Design is in the scope of EPC contractor. EPC contractor should go through the relevant information available in Tender Document and design accordingly.
249.	Tendernotice_3&4/ Drawings	Typical Standard Drawings	Kindly provide standard drawings for Valve chambers, DMA, property connection, Manholes and Bedding details.	Design is in the scope of EPC contractor. EPC contractor should go through the relevant information available in Tender Document and design accordingly.
250.	Tendernotice_3&4/ Drawings	Pump House GAD	Kindly provide the General Arrangement Drawings for the following utilities for both Kannambra and Pudukkottai Central: Potable Water, & Reuse Water.	Design is in the scope of EPC contractor. EPC contractor should go through the relevant information available in Tender Document and design accordingly.
251.	Drawings	Integrated command Controll Centre and Data recovery controll centres 72301100-PAL-IMC-KAN-ICT-SD-0003 and 72301100-PAL-IMC-KAN-ICT-SD-0004	Please Confirm the details provided are only for information and Integrated command & Control Centre and Data recovery centre are not included with the current EPC scope.	Not part of the current scope of work.
252.		DG sets shall be provided for critical loads of Utility plants like CETP, SWM, Reuse pumping station, MBR, ESR , Potable water Pumping Station etc as required. Contractor shall submit a layout for placement of DG set with Acoustic enclosure,	Please provide the capacity of generators required for the pumping station	DG Sets will be required for Critical loads of substation, STP, CETP, SWM, Reuse pumping station, MBR, ESR , Potable water Pumping Station etc. Rating & Capacity of DG set will be decided during detail design stage as per site condition requirement
253.		For outdoor CSS feeding to houses/bungalows, school, gymnasium, street lighting and other amenity buildings LT cables shall be laid on cable tray inside the RCC cable trench from the CSS to the feeder pillar.	Please confirm the	Query is not completed and unclear
254.	Tendernotice_4 / Pg 55	Telecom System Layout	We understand that the two POP rooms shown in the layout are not within the contractor's scope. Kindly confirm	Two POP rooms are not in scope.
255.	Tendernotice_4 / Pg 59	Typical Layout For Mini Integrated Command And Control Centre	We understand that the Mini Integrated Command & Control Centre (MICCC) for Kannambra is not within our scope. Kindly confirm.	Mini Integrated Command & Control Centre (MICCC) for Kannambra is not part of the current contract.
256.	Tendernotice_4 / Pg 62	Typical Installation Of VMS Board On Bus Shelter	We understand that the VMS board is not within the contractor's scope. Kindly confirm	VMS board on bus shelter are not part of the current contract.
257.	Tendernotice_4/ Pg 63	Typical Installation Of Wifi Access Point	We understand that the provision of Wi-Fi Access Points is not within the contractor's scope. Kindly confirm	Wi-Fi Access Points are not part of the current contract.
258.	Tendernotice_4/ Pg 65	Typical Installation Of ANPR & Speed Camera On Gantry, CCTV/ ANPR Camera	We understand that ANPR & Speed Cameras, as well as the gantry, are not within the contractor's scope. Kindly confirm	ANPR & Speed Cameras, as well as the gantry are not part of the current contract.