

## Tindivanam Pharma Park Association (TPPA)

Block D1, Baid Metha Complex, No.16, Anna Salai, Little Mount, Saidapet, Chennai - 600 015

TENDER REFERENCE NO. TPPA/CF Development/CETP/2024-25/01

**DESIGN, ENGINEERING, CONSTRUCTION, FABRICATION, SUPPLY, ERECTION & COMMISSIONING, AND TESTING OF 250 KLD CAPACITY ZERO LIQUID DISCHARGE (ZLD) BASED COMMON EFFLUENT TREATMENT PLANT (CETP) ON A TURN-KEY BASIS, INCLUDING 12 MONTHS COMPREHENSIVE OPERATION AND MAINTENANCE AT TANSIDCO PHARMA INDUSTRIAL PARK, PELLAKUPPAM, KOLLAR & VENMANIYATHUR VILLAGES, TINDIVANAM TALUK, VILLUPURAM DISTRICT, TAMIL NADU**

### Response to Prebid Queries

SI No	Clause	Description as in Tender Document	Query / Clarification raised	Remarks
1	SECTION - 2 Basis of Design - pg 47 of 300	BOD NMT 100 ppm and COD NMT 5000 ppm	Request employer to clarify BOD value as the BOD to COD ratio with the given data comes to 1: 50 which shows poor biodegradability and presence of refractory / non biodegradable organic compounds. Also request to provide details on the source of COD, whether from any low boil solvents etc ( such as IPA, Methanol etc).	BOD value - NMT1000. Refer Corrigendum
2	General		Request Authority to allow Glass Fused Steel Tanks where ever possible in place of concrete tanks which will enable faster construction.	No Change. Condition as specified in the Tender document will remain.

3	SSECTION - 3 DESIGN CRITERIA AND PROPOSED SCHEME pg 51 of 300	Bidders are encouraged to provide their scheme which would be an optimum design to treat the above influent.	We understand that Bidder can propose their own scheme.	Yes
4	General		Confirm under whose scope is compound wall , laboratory building .Since the above civil structures are not mentioned under List of civil works	Temporary fencing has to be arranged by the bidder
5	General		Kindly provide the invert level of effluent will be received at the CETP, since accordingly the depth of receiving chamber and screen chambers will be designed.	95 to 101.5Lvl (Attached Pipeline Drawings for Reference in corrigendum)
6	34. TENDER CONDITIONS pg 27 of 300	f. The site will be handed over to the contractor after the signing of the Contract. All approvals related to the work, i.e. pollution control board approvals towards the CTO and other relevant approvals are under the scope of the contractor.	Please confirm if CTE is already availed.	Obtaining CTE falls under the scope of TPPA and will be provided during the execution of the contract agreement.

7	27. TIMELINE pg 23 of 300	a. The Design, Engineering, Construction, Fabrication, Supply, Erection & Commissioning, and Testing of 250 KLD capacity Zero Liquid Discharge (ZLD) based Common Effluent Treatment Plant (CETP) should be completed within a period of 12 months. The completion of the project includes a 12-month period of Operation & Maintenance (O&M) work from the date of successful completion of erection & commissioning stage and subsequent handover of the CETP to TPPA.	Request employer to provide additional 3 months for trial run ,commissioning and PG test over and above the 12 months .	No Change. Condition as specified in the Tender document will remain.
8	SECTION - 3 DESIGN CRITERIA AND PROPOSED SCHEME, Civil Works pg 53 of 300	CIVIL WORKS All civil works pertaining to the CETP project shall be in the scope of the bidder. Brief list of civil/structural works is provided below. Bidder to verify the list and provide final list of buildings and civil works which will form part of the commercial tender. The civil works shall include design and detailed engineering and also getting necessary statutory approvals for the construction and providing completion certificate from competent authority for records.	Request employer to elaborate on completion certificate from competent authority for records.	All statutory approvals required for a CETP have to be obtained by the bidder.

9	ADDITIONAL TECHNICAL REQUIREMENTS pg 61 of 300	Any statutory requirement / clearance required for the packages from government / local body shall be in bidder's scope.	We request to consider that the all-statutory approvals shall be in Client scope. However, the contractor will assist to get the approvals from concerned authority.	No Change. Condition as specified in the Tender document will remain.
10	General		Geotechnical and Soil report to be provided, required for civil structure design.	Soil Test Report enclosed in Corrigendum.  Refer Corrigendum
11	General		Site plan and layout of CETP to be provided in CAD version	The document will be made available in electronic format upon written request via email
12	General		Kindly confirm the distance to the CETP from where the 33KV/ 11 KV line will be supplied by Authority, Please provide tentative distance for estimating cost correctly. Also need confirmation whether Electricity Board is providing separate feeder / Line Tapping	33 KV Transmission line till the project site is under the scope of TPPA.
13	General		Confirm whether security deposit for HT connection is in the client scope	Yes. Under the scope of TPPA
14	General		Is there any specific requirement from Electricity Board for Over head HT line	Not applicable
15	General		Kindly provide us the Contour survey for the proposed CETP area if the same is available with department. Kindly provide us the proposed FGL for this plan	Contour map is enclosed in Corrigendum.  Based on contour survey, FGL to be arrived by the bidder.
16	General		Whether CTE is available?? If so, please share us the detail	CTE will be provided to the successful bidder

17	General		Confirm the service water source for construction and O&M activities. Is the water available in site or to procure from outside agencies	The source for water will be identified by TPPA. Procurement will be made by the contractor.
18	General		Please confirm the scope of construction power .Whether it is client scope or bidder scope	The source for power will be identified by TPPA. Arrangements for availing power will be made by contractor.
19		General	Please confirm exact area of land allocated for construction of CETP	5.07 Acres is a
20		General	We understand that land provided will be free of cost and without any encumbrance. Please confirm	No encumbrance.
21	Pg 06, Preamble	All member units of the park will have independent collection tanks at their premises from which the CETP will collect the influent/input water through a piped network. This collection and pumping of the influent from member units and the associated infrastructure is NOT part of this tender.	Requested authority to ensure this arrangement is ready prior to the trial run and commissioning. Any delays in commissioning or trial run due to a delay in the supply of influent should be considered in determining the required extension of the Commercial Operation Date (COD), along with necessary escalation costs.	Not Applicable
22	Pg 22, Clause 24	Retention Money will be 5% against each bill. The same will be released upon successful COD and completion of O&M period of 12 months and handing over of all the works certified by TPPA / Consultants appointed by TPPA.	Request to release Retention after COD considering that Performance security will be in place for the O&M period.	Tender condition related to Retention money has been modified  Refer corrigendum

23	Pg 23, Clause 27	Commencement of Work	Request Authority to consider the Commencement date/ Zero date of the Project as the date on which the contractor or Authority obtains all the required permissions for setting up of the CETP Facility.	Not applicable
24	Pg 26, Clause 30, Point 17	Quarterly payment for Operation & Maintenance during the 12- month period	Request TPPA to change the O&M Payments from quarterly to monthly and also all the payments to be released with 15 days of submission of bills. Request Authority to confirm the same.	No Change. Condition as specified in the Tender document will remain.
25	Pg 27, Clause 33	TPPA reserves the right to terminate the contract at any time during the validity period on account of non-fulfilment of the contract or any of the reasons.	Request TPPA to define clause for TPPA event of defaults and Contractor Event of default. TPPA should only terminate the contract due to Contractor event of default.	Condition as specified in the Tender document will remain
26	Pg 27, Clause 34 (g)	The Contractor should make its own arrangements for the labour accommodation.	In order to expedite the works we request Authority to allow the contractor in setting up of labour accommodation inside the site premises. Else, request Authority to provide land adjacent to the site (at free of cost) for labour accommodation.	The total area designated for the project is 5.07 acres, which provides ample space for all necessary temporary infrastructures related to the project
27	Pg 27, Clause 34 (f)	The site will be handed over to the contractor after the signing of the Contract	Request TPPA to handover the encumbrance free land within 7 days from the date of signing of contract.	Not Applicable
28	Pg 51, Section-3	The influents to CETP will be coming through a piped network and will conform to the following specifications.	If the influents are beyond the specified characteristics, then the contractor should have the option either to reject the influent or charge additional rate to treat the influent at the discretion of contractor.	Companies will discharge effluent only at the specified levels, as monitoring meters will be installed in them.

29	Pg 59	GENERAL SCOPE OF SERVICES: Trial run for requisite period.	What is the Trail run Period. Please specify.	Refer the Tender
30	Pg 66 , Section - 6	(a) Bidder shall operate and maintain the Common Effluent Treatment Plant, Utilities, Boiler and related accessories, Electrical sub-station and its related infrastructure, system proposed for recycled water and provision for transport of Solid waste generated (salt), complete for 6 years on 24 hours x 7 day basis throughout the year.	As the O&M is for only 1 Year , Requested to correct the clauses accordingly.	Modified Refer Corrigendum
31	Pg 69 , Section - 6	(s) The Bidder shall carryout cement paint/ enamel paint/ white wash for exterior finish of civil units twice during in six year of O & M of the plant and shall also carry out painting on mechanical equipment/ above ground pipe lines/ hand railing twice in six years of O & M of the plant.		Modified Refer Corrigendum
32	Pg 71, Section-6, Clause 4	The Bidder shall dispose off the sludge cake and SALT from ATFD at his own cost, through proper approved means of transport to the disposal site and necessary clearance. The Bidder has to dispose solid dry sludge/salt/ screened material/ grit from Treatment plants to nearby approved landfill site as directed by the TPPA.	We request authority to provide complete details regarding the land designated for sludge disposal and landfill, including its area, location, and other relevant information. Kindly also confirm whether this land is currently in the possession of TPAA.	The bidder may look for the nearest State/ Central PCB approved landfill for sludge disposal. NO sludge shall be disposed in the TPPA premises.

33	Pg 61	Any statutory requirement / clearance required for the packages from government / local body shall be in bidder's scope	We request to consider that all-statutory approvals shall be in Client scope. However, the contractor will assist to get the approvals from concerned authority.	No Change. Condition as specified in the Tender document will remain.
34	General	Encumbrance fee Land for CETP	Please confirm exact area of land allocated for construction of CETP , also we understand that land provided will be free of cost and without any encumbrance. Please confirm	The land allocated for the construction of the CETP will be provided free of cost and without any encumbrance. However, please note that this provision applies only to the construction area. Land for any other working or ancillary areas will not be provided free of cost.
35	General	Interest on Delay Payments	In case of delay in payments Interest @ SBI PLR + 2 % per annum to be paid by TPPA.. Request TPPA to confirm the same.	Not Applicable
36	General	Liquidated Damages by TPPA	In case of delay in handover of site or delay in handover of influent to the contractor then TPPA should pay the liquidated damages @ 0.5% of contract value per week.	No Change. Condition as specified in the Tender document will remain.
37	General	Draft Contract Agreement (DCA)	There is no Draft contract agreement attached along with tender document/RFP. Request Authority to provide DCA incorporating important clauses such as definitions, payment terms, obligations of both parties, Event of defaults, Suspension & Termination, Termination Payments, Arbitration , Condition Precedents, Change in Law, Change of Scope, Extension of Time, Force Majeure , Approval/Permits etc..	Will be done after the award of contract



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1	Page No. 47	Proposed system capacity as follows: i. Effluent to be handled - 250 KLD. ii. Biological treatment - 1000 KL (Approximate 04 days storage) iii. MEE - 75 to 100 KLD iv. ATFD - to be decided by the vendor	Please confirm that you are required Tank storages only for ETP Pre-Treatment 250KLD, Biological 1000 KLD & MEE - 100 KLD	No Change. Condition as specified in the Tender document will remain.
2	Page No. 52	125 KLD x 2 modules	Please confirm we need to design 125KLD Plant x 2 modules or Civil portion only two module with single Electro-mechanical Equipments with Feasibility of increase the Running Hours based on Effluent coming.	Bidder may give his design scheme within the given area to meet the entire operational requirements
3		Soil Test Report	Please share the soil Test Report to design the ETP Structural	Soil Test Report enclosed in Corrigendum.  Refer Corrigendum
4		Incoming Power	Please confirm the Distance of Transformer from Sub-Station	33 KV Transmission line till project site is under the scope of TPPA.
5		OCEMS requirement	Kindly confirm the OCEMS requirement to ETP as per the TNPCB guideline	Under the scope of Contractor
6		ETP Pump Rooms	Kindly confirm ETP Pump Room to be constructed in full RCC or Pre-Engineering Building (PEB)	All civil structures will be constructed using reinforced cement concrete (RCC)
7		Internal laboratory Setup	Kindly confirm whether we required internal Laboratory setup to analysis the ETP Basic Parameters	Refer Corrigendum

SI No	Clause	Description as in Tender Document	Query / Clarification raised	Remarks
1.	11	<p>EARNEST MONEY DEPOSIT The Tender should be accompanied by an Earnest Money Deposit (EMD) to the value of Rs.20,00,000/- (Rupees Twenty Lakh only), including GST, in the form of Demand Draft (DD) in favour of Tindivanam Pharma Park Association payable at Chennai. EMD should be in the name of the Bidder/ Firm. Bidders are to provide their GST Registration details.</p> <p>a. EMD in any other form will not be accepted.</p>	<p>Kindly request your good office to consider the EMD in the form of Bank Guarantee option to Demand Draft (DD)</p>	<p>Refer Corrigendum</p>
2.	18	<p>OPENING AND EVALUATION OF THE TECHNICAL BID Additional Experience</p> <p>Apart from satisfying the Qualification Criteria as per Clause 3(c), additional experience in undertaking and successful completion of Common Effluent Treatment Plant with a minimum capacity of 75 KLD along with Operation and Maintenance for at least one (1) year in the last five years</p>	<p>Clause (3C) is related to financial turnover and hence the weightage / score is to considered based on turnover and not to related to capacity of plant. PI consider accordingly</p>	<p>No Change. Condition as specified in the Tender document will remain.</p>

3.	QUALIFICATION CRITERIA ( 3b )	Similar Works' means completion of the project of Design and Construction of Common Effluent Treatment Plant / Effluent Treatment Plant along with Operation and Maintenance for at least one year during the last five years as on last date of tender submission.	We have Experience of 7500 KLD CETP in which includes : Design and Construction of CETP ( Rs 21,14,28,146) with O&M more than one year ( RS 3,02,93,065 ). The same document is attach for the reference. ( Annexure I and II )	No Change. Condition as specified in the Tender document will remain.
4.	14. BID DUE DATE	a. Bid and Enclosures of Bid should be submitted on or before the Bid Due Date i.e., 03.12.2024, 3.00 PM in the manner and form as detailed in this Tender Document.	We request to consider Bid Due Date 15.12.2024.	Refer Corrigendum
5.	Performance Security	a.) Performance Security shall be 10% of the work order value (inclusive of GST)	Generally, Performance security found between 3% to 5%; Hence, we request to consider up to 5%. maximum	No Change. Condition as specified in the Tender document will remain.
6.	SECTION – 2 Basis of Design ( 3 )	Based on general experience, the following parameters are proposed as the limiting specifications for member units for discharging into the common CETP pipe network. In case some parameters are to be treated (like pH), the member units shall install the required facility within their premises. 4 . BOD NMT 100 ppm	Generally, in CETP BOD found in range of 30% to 50 % of COD; Therefore kindly request confirm the same since it is design criteria.	BOD value has been modified. Refer Corrigendum

7.	SECTION – 2 Basis of Design ( 3)	Based on general experience, the following parameters are proposed as the limiting specifications for member units for discharging into the common CETP pipe network. In case some parameters are to be treated (like pH), the member units shall install the required facility within their premises 2. TDS NMT 5000 ppm ..	Please give us detail breakup of Total Dissolved Solids in the for of Cations and Anions so that it will enable us to design suitable TDS removal scheme.	Not applicable
8.	TECHNICAL SPECIFICATI ON S - CIVIL WORK Refer to 1.3	The contractor shall visit site to understand the site condition and make his own assessment about sub-soil strata and water level likely to be encountered during the execution.	During Bidding at initial level it is difficult to find and coordinate with local agency for assessment of sub soil strata which is time consuming activity. So we request to share any sub Soil data of nearby area of CETP available with TPPA	Soil Test report attached in Corrigendum  Refer Corrigendum
9.	SECTION – 8 LIST OF APPROVED MAKES	LIST OF APPROVED MAKES	In case the makes specified in the tender is not available within the time frame and for small capacities. We request to consider other similar/ equivalent make who have good credentials.. Necessary documents related to credentials will be provided	No Change. Condition as specified in the Tender document will remain.
10.	TENDER CONDITIONS	Presence of TPPA/ PMC	DWG / design is to submitted to approval to client/ PMC... Can we know the name of the proposed consultants	Will be informed during the execution of Contract Agreement.
11.	General	Invert Level CETP Inlet	Please let us know invert level of raw effluent incoming pipe and also at what level be the treated effluent to be discharged?	Tank comes above Ground Level and Pipe Line Drawing is attached for Levels. Refer corrigendum

12.	General	Electricity Connection to CETP	To get 11KV 415v, power supply from electricity board at metering, necessary charges to be paid to state electricity board will be given by client only.	Its under Bidders Scope
13.	General	Boundary Wall	Boundary wall in RCC or brick masonry..pl provide details	Under the scope of TPPA
14.	General	Consent To Operate	All the statutory fees/ security deposit/ BG required for obtaining consent to establish and consent to operate will be in the scope of Client	Consent to Establish is under the scope of TPPA. Consent to Operate is under the scope of Contractor
15.	Qualification Criteria (3b)	3b.) The Bidder should have undertaken and successfully completed similar works: a) One similar project of not less than 200 KLD common effluent treatment plant/ effluent treatment plant with successful Operation and Maintenance for at least one year during the last 5 years as on last date of tender submission	Request to please consider common effluent treatment plant ( CETP project) project experience only and not ETP ...as the complexity of handling cetp with varying pollution load and the flow is more complicated as compared to normal ETP	No Change. Condition as specified in the Tender document will remain.
16.	General	Sludge Disposal charges.	Please Clarify..... Where to dispose dried or excess Sludge from CETP and who will bear the disposal cost or membership charges to solid waste disposal facility and As the plant will be in the name of TPPA .. Membership is to obtained in name of TPPA only.	The contractor is required to identify a suitable location for the disposal of sludges. The cost of sludge disposal shall be borne entirely by the contractor

SI No	Clause	Description as in Tender Document	Query / Clarification raised	Remarks
1	Page No. 48, Annexure - X, Technical Aspects, Section - 1, Section - 2, Basis of Design 5. h. TDS Reduction by wastewater RO System in 2 or 3 stages.	To achieve requirement parameters, we suggest filtration followed by UF & RO. Kindly confirm.	Kindly confirm	Bidders are encouraged to design the project independently, considering the parameters provided in the tender
2	Page No. 48, Annexure - X, Technical Aspects, Section - 1, Section - 2, Basis of Design 7. i. RO Permeate Tank	Kindly clarify that permeate RO unit is needed for further usage (or) only storage tank for all RO permeate and MEE condensate	Kindly Clarify	Bidder may use the RO permeate for the CETP utility requirement
3	Page No. 8, 2. Scope of work, 2.1. c. The maximum qty. of influent shall be considered at 50KLD during the 12- month O&M period	As per tender, Its look like only 50KLD (20%) effluent will be available for 12 month O&M Period.	Kindly Clarify	Pharma companies are currently in the process of implementing their units in the Pharma Park.  After one year, it is assumed that only 20% of the effluent will be available for treatment
4	Page No. 47, Annexure - X, Technical Aspects, Section - 1, Section - 2, Basis of Design In Table 6. Oil & Grease	Oil & Grease is mentioned as traces. We need exact PPM of O&G presence at inlet in order to design.	Kindly Clarify	Users are not allowed to discharge the effluent with O&G. The given parameter is almost Nil.

5	Page No.51, Annexure - X, Technical Aspects, Section - 1, Section - 3 Design criteria and proposed scheme, Process Below Table 2nd line, Bidders are encouraged to provide their scheme	Please confirm whether the contractor is allowed to adopt an entirely new design or must follow the proposed scheme with approved technology changes.	Kindly confirm	Kindly adhere to the Design Criteria with the Tender requirements without deviation.
6	Page. No. 62, Annexure - X, Technical Aspects, Section - 1, Section - 3, Design criteria and proposed scheme Complete CETP shall be designed to run continuously	Should the contractor decide the plant's operating hours based on technology adoption or design the plant for continuous operation as mentioned in the tender?	Kindly Clarify	Condition as specified in the Tender document will remain.
7	Page. No. 66, Annexure - X, Technical Aspects, Section - 1, Section - 6, Operation and Maintenance Requirements. 2.a. Last 2nd line (Complete for 6 years on 24*7 day basis throughout the year)	There is a discrepancy between the tender and O&M requirements. The tender mentions O&M for 1 year, whereas the O&M requirements imply a 6-year duration	Kindly Clarify	The clause updated. Refer Corrigendum
8	Page. No. 66, Annexure - X, Technical Aspects, Section - 1, Section - 6, Operation and Maintenance Requirements 2.c. Last line (Including Electricity charges)	What is the unit charges to consider for electricity cost?	Kindly clarify	The prevailing electricity rates applicable to the Common Effluent Treatment Plant (CETP) in the state

9	Page. No. 78, Annexure - XII Cost breakup of O & M for 5years	Cost breakup of O & M is provided for 5 years, however, as per tender, O & M asked to submit for one year only.	Kindly Clarify	The request for the operation and maintenance (O&M) costs for different input capacities is solely for the purpose of price discovery and understanding the operational modalities of various bidders. The requested costs will not influence or be included in the evaluation of the price bids
10	Page. No. 66, Annexure - X, Technical Aspects, Section - 1, Section - 6, Operation and Maintenance Requirements 2. a. Solid waste generated (2nd line from last)	Kindly provide the distance between the sludge plant and salt disposal area.	Kindly Provide	The bidder will have to conduct an assessment of the nearby sludge disposal area.
11	Compound/Fencing	Compound / Fencing comes under the contractor or TPPA Scope	Kindly Clarify	Temporary fencing has to be arranged by the bidder
12	Water and Power	During construction, power and water comes under the contractor or TPPA Scope. During O & M , Service water will be provide by TPPA or the contractor have to arrange.	Kindly Clarify	During Construction, power & water will be sourced by contractor only.  During O&M, service water to be sourced by contractor only.
13	Invert Level	Kindly provide the invert level of the effluent will be received at the CETP for better design	Kindly Provide	95 to 101.5Lvl (Attached Pipeline Drawings for Reference in corrigendum)
14	Battery Limit	Kindly provide the detailed Battery limit and capacity of treated water tank capacity	Kindly Confirm	The treated water shall be used within the plant for the utility purpose during the first 12 months of O&M.



15	Water Analysis Report	Kindly provide us the full water analysis report. In tender document, inlet parameters are given (pH, TDS, COD, BOD, TSS, Oil and Grease and Ammonia). Since the proposed project is ZLD plant, Please mention other parameters for efficient design and treatment. Expected parameters:- Fe, CaCO <sub>3</sub> , Ca, Na, K, NH <sub>4</sub> , Ba, Sr, H, CO <sub>3</sub> , HCO <sub>3</sub> , SO <sub>4</sub> , Cl, F, NO <sub>3</sub> , PO <sub>4</sub> , OH, SiO <sub>2</sub> , B, CO <sub>2</sub> .	Kindly Clarify	Influent parameters are already given in the BID document
16	Soil Test Report	Kindly provide the soil test report for better design	Kindly confirm	Soil test report enclosed in corrigendum. Refer corrigendum
17	Lab setup	Lab setup comes under the Contractor's scope or the TPPA's scope	Kindly confirm	Refer corrigendum
18	Security Deposit	Security Deposit for the HT comes under the TPPA or the Contractor Scope.	Kindly clarify	Under TPPA Scope. Follow up with concerned officials is in the scope of the bidder
19	Proposed Treatment Scheme Sludge drying bed Followed by screw press.(As per proposed scheme attached in tender).	As per engineering practice, Screw press/Filter press/sludge drying bed are for same purpose only. Please confirm which one has to consider.	Kindly Clarify	Bidder may give his Design Scheme based on market practises exit in the industry

20	Filters(PSF)	Since, inlet TSS is around 1000 PPM. As engineering practice, PSF should include before UF and RO system in order to reduce TSS above 50 micron size.	Kindly Clarify	Bidder may give his Design Scheme based on market practises exit in the industry
21	Page No. 48, Annexure - X, Technical Aspects, Section - 1, Section - 2, Basis of Design 5. g. Secondary aeration	As per Tender, Inlet BOD is around 100 PPM. But in the proposed scheme, Aeration tanks given after Primary and Secondary settling tanks. Since, Anaerobic and aeration will reduce Cod and BOD. There is no need of additional aeration after secondary settling tank. Kindly clarify the same.	Kindly Clarify	BOD level has been updated in Corrigendum  Refer Corrigendum
22	Layout	In layout given in the tender, it was mentioned as ETP & STP area. (5.07 Acre) Is any existing STP plant there in proposed area? Or Any new plant will be installing in future?	Kindly Clarify	New STP plant will be constructed in the area.
23	Page No. 23, S. No: 27; Timeline Completion Period given 12 months from the date of award of contract	We request you to give the 18 months for completion of project. Since, it is involving lot of work design, engineering, approvals, supply, and erection & commissioning.	Kindly Clarify	No Change. Condition as specified in the Tender document will remain.
24	Page No. 48, Annexure - X, Technical Aspects, Section - 1, Section - 2, Basis of Design 5. j. PSA Treatment	Kindly clarify that, what is the PSA treatment	Kindly Clarify	Pressure swing adsorption (PSA) system. However, bidder may give his Design Scheme based on market practises exit in the industry

26	Page No : 68, Section - 6, O&M Requirements, 2.General, n. Manpower Breakups	Intender, manpower is considered without reliever. Can we consider the man power including reliever?	Kindly confirm	Bidder may plan his O&M modalities based on market practices exit in the industry
27	Fuel for Boiler	Fuel used for boiler comes under whose scope?	Kindly confirm	Scope of Contractor
28	Page No: 283, List of approved makes	Can we consider equivalent makes/brand for all items	Kindly confirm	No Change. Condition as specified in the Tender document will remain.
29	Page No.52, Annexure - X, Technical Aspects, Section - 1, Section - 3 Design criteria and proposed scheme, Plant Sizing Boiler - 2 equal sized boilers (FO/Gas based)	Furnace Oil (FO) will produce more pollution, in order to control pollution, it is recommended to use gas based boiler type instead of FO.	Kindly confirm	The decision is at the contractor's discretion
30	Page No. 48, Annexure - X, Technical Aspects, Section - 1, Section - 2, Basis of Design 6. i. Steam Boiler	Shall we go for thermal fluid type boiler instead of steam based one.	Kindly confirm	The decision is at the contractor's discretion
31	Dewatering Technique	For long time operation, as per good engineering practice, we suggesting 2 systems(1W+1S) - either Screw press/ Centrifuge	Kindly confirm	Bidder may give his Design Scheme based on market practises exit in the industry

32	Page No. 47, Annexure - X, Technical Aspects, Section - 1, Section - 2, Basis of Design 4. iii. MEE - 75 to 100KLD	We will design RO with more efficiency which will reduce the load to MEE. So, the requirement of MEE will be less than 75KLD only. Please confirm that designing with lesser capacity of MEE is acceptable. Kindly confirm the reason for taking 75-100 KLD (as per given in the tender).	Kindly confirm	Bidder may give his Design Scheme based on market practises exit in the industry
33	Utilities	Please clarify us the below mentioned scope of utilities.(Whether comes under TPPA or Agency) 1.Chemical storage (Solids, Liquid, Tankers), 2.Hazardous waste disposal 3.Water for operation and drinking water	Kindly confirm	Under the scope of Contractor
34	Approvals	Kindly provide NOC wherever required like EB, PCB.	Kindly confirm	NOCs will be provided wherever necessary

35	Payment terms Clause No 30 Clause No 24 - Retention money	<p>Contrary to furnishing 10% performance security, Clause 30 stipulates receipt of only 90% payment (as per milestone table). Additionally, 5% retention in RA bills will be released post successful O&amp;M completion. Thus, we understand our payment receipt to be 85.5%. We seek clarification on Milestone table S. No 17: Will the remaining 10% of the Project bill be released during O&amp;M? Considering our 10% performance security, we request exemption from 5% retention deduction in RA bills.</p>	Kindly clarify and confirm.	<p>As regards Retention money, the clause has been modified</p> <p>Refer Corrigendum</p>
36	Payment terms Clause No 30 Clause No 24 - Retention money	<p>We suggest a Payment terms of 70% on supply 20% on Installation &amp; 10% on Commissioning of Mechanical &amp; Electrical Equipments And Payment release with Prorata basis for Civil</p>	Kindly confirm.	Refer Corrigendum

SI No	Clause	Description as in Tender Document	Query / Clarification raised	Remarks
1			As per tender ,for 250 KLD plant , 75 KLD/100 KLD MEE is required. Based on the above the RO recovery assumed is 60% -70% only . Is it mandatory to go with tender or can we reduce MEE plant capacity based on RO plant performance ?	No Change. Condition as specified in the Tender document will remain.
2			Will power ,water be given during construction period free of cost ?	No. The cost for power and water to be borne by the contractor
3			Is treated water distribution ( re use by company) to all companies excluded from the scope ?	The distribution of treated water to companies is not the contractor's responsibility
4			What is the incoming power available ? Is it 11 kv/ 22kv/33 kv/110 kv ?	33 KV
5			Treatment plant up to RO can be designed for two streams 125X 2 . But MEE/ ATFD/ BOLIER/ CT can we go for one stream for full capacity ?	bidder may give his Design Scheme based on market practises exit in the industry
6			Is the fuel storage FO / Gas included in the scope ?	Under the scope of Contractor
7			During O & M Period , Power, fuel scope is not defi ned in the tender .	As a comprehensive O&M, power & fuel are under the scope of contractor.
8			Other than process building , any administration building required ? Not specified in the drawing	Refer Corrigendum
9			Lab facility not mentioned in the tender .	Refer Corrigendum

SI No	Clause	Description as in Tender Document	Query / Clarification raised	Remarks
1		General	Kindly confirm the Scope of Compound wall	Temporary fencing has to be arranged by the bidder
2		Each unit shall be equipped with Online sensors with digital display for pH, TDS, and COD and the same can be connected with CETP system for unit wise monitoring and traceability-PG 49	Online Sensors at Inlet and Outlet Unit can be considered instead of each unit. Kindly confirm.	Condition as specified in the Tender document will remain.
3		General	Kindly confirm the scope of Statutory Approvals. Is EC, CTE, and CTO also to be considered?	EC & CTE are under the scope of TPPA CTO is under the scope of Contractor.
4		General	Kindly confirm the scope of electricity & diesel during O&M.	Under the scope of Contractor
5		Plant sizing The nominal installed capacity of the plant shall be 250 KLD. However, we would like to have a modular approach to this as we do not expect all the member units to become functional at once and the capacity could be much smaller in the first year and then gradually increase to higher loads. (125X2) - PG 52	Are Civil Tanks to be considered as per 250 KLD? Kindly confirm	Civil tanks are categorized as 250 KLD only. Pharmaceutical companies will gradually establish their operational units