

**Development of Zero Liquid Discharge (ZLD) Based Common Effluent Treatment Plant in Hyderabad Pharma City
Hyderabad, Telangana on Public Private Partnership (PPP) Mode**

[Corrigendum – III: Responses to Queries]

S.No	RFP / Corrigendum Reference	Existing Clause as per RFP / Corrigendum	Request / Clarification Sought For	Response
1.	<p>Bid Due Date</p> <p>Corrigendum II, Sl. No.40</p>	<p>The PDD is extended upto 1600 hrs on 05/10/2021</p>	<p>We would like to participate in the above tender and are in the process of evaluation and preparing our price bid, it is found that available time is short. We request you to extend the date of submission another 15 days from the date of submission so as to enable us to submit competitive offer.</p>	<p>The PDD is extended upto 1600 hrs on 12/11/2021</p>
2.	<p>Clause 1.1.3 Sl.No. (31) of RFP Vol I & Clause 2.2.3 (g) (iv) of RFP Vol I & Clause 2.3.2 of RFP Vol – I & Clause 6.2 of RFP Vol – I, Appendix A6 - Joint Bidding Agreement Format & Corrigendum II, Sl. No. 244</p>	<p>The Lead Member of the Consortium shall be required to individually hold a minimum equity stake not less than 26% and Technology Partner shall be required to commit to individually hold a minimum equity stake not less than 11% in the Project SPC. Lead Member and Technical Partner shall hold the equity stake at all the times, not be less than Ten (10) years from the date of Commencement of operations.</p>	<p>We request the department to kindly consider the 'Nominated Sub-Contractor' in place of 'Technical Partner' wherein experience and credentials of 'Nominated Sub-contractor' are allowed for qualification and evaluation purpose.</p> <p>However, we would also like to request that, in place of the equity, a Performance bank Guarantee from the 'Nominated Sub-Contractor' of its share can be submitted and accepted by the client. Kindly Confirm.</p>	<p>The clause may be read as:</p> <p>The Lead Member of the Consortium shall be required to commit to individually hold a minimum equity stake not less than 26% and Technology Partner shall be required to commit to individually hold a minimum equity stake not less than 11% in the Project SPC. In case the Technology Partner is not an equity holder in the SPV, a Security Deposit equivalent to the 11% equity stake shall be submitted in addition to the Performance Security. Lead Member and Technical Partner shall hold the equity stake at all the times, not be less than Ten (10) years from the date</p>

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				of commencement of operations. In case non-equity holding technology partner withdraws their association with SPV within Ten (10) years from the date of commencement of operations, the Security Deposit shall be forfeited and Lead Member shall bring another Technology Partner with similar capability qualifying the Technical capabilities specified in the RFP.
3.	Clause 3.3.1 of RFP Vol – I	<p>3.3 Technical Capacity for purposes of evaluation</p> <p>3.3.1 Note:</p> <p>(3) The entity claiming experience should have held, in the company owning the claimed Project, a minimum of 26% (twenty-six per cent) equity during the entire year for which Experience is being claimed;</p>		<p>With reference to response at Sl. No. 2, the clause may be read as:</p> <p>(3) The entity claiming experience should have held, in the company owning the claimed Project, a minimum of 26% (twenty-six per cent) equity during the entire year for which Experience is being claimed; In case the bidder doesn't have experience as stipulated above, shall rely upon the experience of a Technical Partner who shall meet the Development and O&M experiences specified above.</p>

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				<p>The bidder shall submit an undertaking from the Technical Partner on their commitment to be responsible for design, providing technical infrastructure and O&M for at least for a duration of not less than Ten (10) years from the date of commencement of operations duly submitting the Security Deposit equivalent to the 11% equity stake of SPV in the form of Bank Guarantee. The Bidder shall submit the same Security deposit to the Authority in addition to the Performance Security; and the same shall be forfeited in case the Technology Partner withdrawing their association with SPV within Ten (10) years from the date of commencement of operations.</p>
4.	Appendix A2 - Letter comprising the Bid of RFP Vol 1	(18) I/ We acknowledge and undertake that our Consortium was pre-qualified and short-listed on the basis of Technical Capacity and Financial Capacity of those of		<p>With reference to response at Sl. No. 2, the clause may be read as:</p> <p>(18) I/ We acknowledge and undertake that our Consortium was pre-qualified and short-listed on the</p>

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		<p>its Members who shall, for a period of 2 (two) years from the date of commercial operation of the Project, hold equity share capital not less than: (i) 26% (twenty six per cent) of the subscribed and paid-up equity of the Concessionaire; and (ii) 5% (five per cent) of the Total Project Cost specified in the Concession Agreement. We further agree and acknowledge that the aforesaid obligation shall be in addition to the obligations contained in the Concession Agreement in respect of Change in Ownership.</p>		<p>basis of Technical Capacity and Financial Capacity of those of its Members who shall, for a period of 10 (ten) years from the date of commercial operation of the Project, hold equity share capital not less than: (i) 26% (twenty six per cent) of the subscribed and paid-up equity of the Concessionaire; (ii) 5% (five per cent) of the Total Project Cost specified in the Concession Agreement (iii) In case the Technology Partner is not an equity holder in the SPV, a Security Deposit equivalent to the 11% equity stake shall be submitted in addition to the Performance Security. In case We further agree and acknowledge that the aforesaid obligation shall be in addition to the obligations contained in the Concession Agreement in respect of Change in Ownership.</p>
5.	Clause 6.2 of RFP Vol – I, Appendix A6	<p>Joint Bidding Agreement Format</p> <p>The Parties undertake that the Lead Member of the Consortium shall be required to commit to individually hold</p>		<p>With reference to response at Sl. No. 2, the clause may be read as:</p> <p>The Parties undertake that the Lead Member of the Consortium shall be required to commit to individually hold</p>

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		<p>a minimum equity stake not less than 26% and Technology Partner shall be required to commit to individually hold a minimum equity stake not less than 11% in the Project SPC. Lead Member and Technical Partner shall hold the equity stake at all the times, not be less than Ten (10) years from the date of commencement of operations.</p>		<p>a minimum equity stake not less than 26% and(i) Technology Partner shall be required to commit to individually hold a minimum equity stake not less than 11% in the Project SPC. Lead Member and Technical Partner shall hold the equity stake at all the times, not be less than Ten (10) years from the date of commencement of operations; or (ii) shall submit an undertaking on their responsibility to design, providing technical infrastructure and O&M for at least for a duration of not less than Ten (10) years from the date of commencement of operations duly submitting the Security Deposit equivalent to the 11% equity stake of SPV in the form of Bank Guarantee in addition to the Performance Security as per clause 9 of the Concession Agreement.</p>
6.	<p>17.B.1.(D)/ Page 9 Bid Eligibility Criteria : B1.(C).Minimum Technical Capacity & Corrigendum II, Sl. No.3</p>	<p>(C) Bidder shall have a Development Experience of ZLD based CETP/ETP with multi-stream effluents, with a capacity of at least 1 MLD for CETP / at least 2.5 MLD for ETP</p>	<p>We understand that qualification requirements in case of ETP should be sufficient in case bidder is meeting the 50% of the required CETP capacity i.e. 1.5 MLD for 3 MLD CETP requirement.</p>	<p>The revised Criteria is amended as below: (C) Bidder shall have a Development Experience of ZLD based CETP with a capacity of at least 1 MLD / ETP with</p>

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		<p>or shall have an Operational Experience of ZLD based CETP with capacity of at least 1 MLD / ETP with a capacity of at least 2.5 MLD for at least one year, currently under operations as on bid due date.</p> <p>10 Marks shall be given for each eligible project.</p> <p>[Note: Supportive Flow diagram of each assignment shall be submitted]</p>	<p>However, we believe it should also be in line to the CETP qualification requirements. Kindly Confirm.</p> <p>Furthermore, we would also like to put our sincere and genuine request for the consideration of 'Recycle and Reuse Projects' i.e. for meeting the 'Bid Eligibility Criteria'. Kindly confirm.</p>	<p>multi-stream effluents with recycle & Reuse of capacity least 1.5 MLD and shall have an Operational Experience of ZLD based CETP with a capacity of at least 1 MLD / ETP with multi-stream effluents with recycle & Reuse of capacity least 1.5 MLD for at least one year, currently under operations as on bid due date.</p> <p>10 Marks shall be given for each eligible CETP/ETP with ZLD project, subject to maximum of 20 Marks.</p> <p>If, the bidder doesn't have CETP/ETP with ZLD, 5 marks shall be awarded for each CETP/ETP with Recycle & Reuse Projects with at least 70% of recovery, subject to a total of 10 Marks.</p> <p>[Note: Supportive Flow diagram of each assignment shall be submitted]</p>
7.	17.B.1.(D)/ Page 9 Bid Eligibility Criteria : B1.(D).Minimum Technical Capacity	(D) Bidder Shall have a Development Experience of a Pharma/ Chemical/ Petrochemical based CETP,		The revised Criteria is amended as below:

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	<p>& Corrigendum II, Sl. No.3</p>	<p>each with a capacity of at least 1 MLD OR shall have an Operational Experience of a Pharma/ Chemical/Petrochemical based CETP, with a capacity of at least 1 MLD for at least one year. 10 Marks shall be given for cumulative capacity of 3 MLD and additional 2.5 marks shall be given for each 1 MLD of functional project (subject to maximum 10 marks for additional projects (i.e., 4 CETP projects of >=1 MLD capacity are required to get additional 10 marks)</p>		<p>(D) Bidder Shall have a Development Experience of a Pharma/ Chemical/ Petrochemical based CETP, each with a capacity of at least 1 MLD OR shall have an Operational Experience of a Pharma/Chemical/Petrochemical based CETP, with a capacity of at least 1 MLD for at least one year. 10 Marks shall be given for cumulative capacity of 3 MLD and additional 2.5 marks shall be given for each 1 MLD (subject to maximum 10 marks for additional capacity).</p>
8.	Annexure 1 to Volume 2:	Proposed Indicative Treatment scheme and Design Consideration	As stated "For first module of 3 MLD CETP, 10% of the quantity i.e. 100 KL is considered to be non-degradable effluent. The capacity in the upcoming modules can be adjusted based on actual quantities." We request you to provide the design inlet parameters like pH,	Please refer indicative typical characteristics of LPS and HPS streams at Section 1 of Annexure I to Volume 2 of RFP.

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			COD, BOD, TSS, TDS, CN, Cr, etc. of each stream which contain high cyanide and heavy metals (chromium).	
9.	Annexure 1 to Volume 2: Proposed Indicative Treatment scheme and Design Consideration	Inlet characteristics of Low Polluted Wastewater (LPS)	We understand that TDIS mentioned in the characteristic table of LPS is Total dissolved solid. Please confirm.	Yes.
10.	Annexure 1 to Volume 2: Proposed Indicative Treatment scheme and Design Consideration	Inlet characteristics of Low Polluted Waste Water (LPS) and High Polluted Waste Water (HPS)	Kindly provide the ionic composition like Ca, Mg, Na, K, NH ₃ , B, Sr, Alkalinity, Cl, SO ₄ , NO ₃ , F, SiO ₂ (Reactive and colloidal), etc of both streams i.e. LPS and HPS. These parameters are mandatory to design the Evaporator system and RO system.	Influent characteristics are provided after reviewing of various operational Pharma effluent CETPs. As the effluent is from Pharmaceutical industry, these parameters might not be relevant for designing the evaporator. However, the bidder may adopt standard practices while designing the system.
11.	Annexure 1 to Volume 2: Proposed Indicative Treatment scheme and Design Consideration	Inlet characteristics of Low Polluted Waste Water (LPS) and High Polluted Waste Water (HPS)	Oil present in the both streams shall be either in the free oil form or emulsified oil form. Please confirm.	Since the effluent is conveyed through common stream, the oil present can be a mixture of free oil form or emulsified oil form.
12.	Annexure 1 to Volume 2: Proposed Indicative Treatment scheme and Design Consideration	Inlet characteristics of Low Polluted Waste Water (LPS) and High Polluted Waste Water (HPS)	In both the streams, heavy metals has been mentioned. We would like to know the source of these heavy metals from Pharma industry.	Influent characteristics are provided after reviewing of various operational Pharma effluent CETPs. However, bidders are free to explore the other parameters based on their expertise.

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13.	Annexure 1 to Volume 2: Proposed Indicative Treatment scheme and Design Consideration	Inlet characteristics of High Polluted Waste Water (HPS)	In the tender scheme, stripper has been mentioned prior to feed into Evaporator for High polluted waste water (HPS) stream. We would like to know the details of solvent which shall be present in this stream.	The stripper is provided to remove the volatiles (considered at 3%) present in the effluent. However, the scheme of CETP treatment provided is indicative and the Developer may opt any appropriate technology keeping in view of the applicable stipulations of Statutory authorities (MoEF&CC, TSPCB).
14.	Annexure 1 to Volume 2: Proposed Indicative Treatment scheme and Design Consideration	Expected Characteristics of Treated Effluent from Proposed CETP Treatment Process Quality Parameters	Stage wise outlet quality has been mentioned at Bio-ETP outlet, CDRO Outlet and refined RO Outlet. We understand that Bio-ETP outlet means Outlet from 2nd stage biological treatment, CDRO outlet means permeate from RO system, which shall be installed after Biological treatment and refined RO outlet means Permeate from RO system i.e. of condensate from Evaporator. Please confirm.	Yes.
15.	Annexure 1 to Volume 2: Proposed Indicative	Table 3-1: Required Quality of Recycled Water for Horticulture, Toilet flushing and Solar Panel Washing and	Kindly provide the quantity of treated water required for following purpose:	The details will be available in the reports as part of the EIA/EC process is available in Public Domain.

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	Treatment scheme and Design Consideration	Table 3-2: Required Quality of Recycled Water for Cooling Tower	i. Landscaping/gardening within HPC premises ii. Toilet Flushing iii. Solar panel washing iv. HVAC v. Boilers in industries vi. Cooling Tower	
16.	Annexure 1 to Volume 2: Proposed Indicative Treatment scheme and Design Consideration	Table 3-2: Required Quality of Recycled Water for Cooling Tower	pH range for cooling water has been mentioned as very narrow. We request you to increase the pH range.	The scheme provided is indicative and bidders may choose the scheme as per the design requirement of cooling towers.
17.	General	Disposal of Dewatered sludge and salt	Kindly provide the distance of nearby TSDF from the site.	Please refer to response at sl. No. 28 of the Corrigendum II.
18.	General	Stand by philosophy	Since this project shall also include augmentation works i.e. as per future requirements. We would like to understand the stand-by philosophy for all the mechanical component. Kindly provide the same.	Provision for Standby systems is already provided in the indicative schemes. Please refer to section 3.3 Design Criteria for Components of CETP of Annexure 1 to Volume 2. However as per the bidder’s chosen Technology & design, they may identify the critical equipment and provide the standby systems as required.
19.	General	Steam and cooling water	Kindly confirm the availability of Steam and cooling water at site.	As per the Integrated Master Plan, the Steam and Chilled Water supply are envisaged. However, the CETP

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				developer shall have their own arrangements till the centralized supply is provided.
20.	General	Vendor list	Kindly provide the vendor list for all mechanical, electrical and instrumentation components.	As this is a DBFOT project, bidders are free to choose vendors as per the design requirement.
21.	Bid Due Date Corrigendum II, Sl. No.40	The PDD is extended upto 1600 hrs on 05/10/2021	We are very keen to participate in this tender as we need to have clear understanding of the project and also, we have to make concerned agreements with our JV partners, we request you to kindly extend the bid submission date for another Eight (8) Weeks from due date and support us.	The PDD is extended upto 1600 hrs on 12/11/2021
22.	Page No. 128: High Polluted Wastewater Treatment Process	Primary sludge's & chemical sludge will be further thickened in decanter, before it is disposed to TSDF	It was mentioned that solids from evaporation and sludge from primary and secondary treatment was supposed to be sent to TSDF facility in Hyderabad, however during the pre-bid meeting it was clarified to us that the transportation charges till the facility to be considered in the quoted tariff and the charges payable to TSDF facility is extra. however, while we checked the documents, it was mentioned	Please refer to response at sl. No. 28 of the Corrigendum II.

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			<p>that the charges to TSDF facility also should be included in the tariff. we found the conflict in this matter as the TSDF operator is one of potential bidder for this package. we found the following risk</p> <p>a) TSDF bidder may quote exorbitant charges to us so our tariff shall be higher than their tariff in the bid</p> <p>b) If we quote as per market prices and if he don't consider the charges in his bid to secure the order, the evaluation is not fair and this will be against the policies of bidding</p> <p>c) Now if he quotes as per market price and post order, if he refuses to support or quotes exorbitant price our bid will be in stake</p>	

**Sd/-
CHIEF ENGINEER**