

Jajmau Tannery Effluent Treatment Association (JTETA)
Request for Proposal (RFP) for Appointment of EPC Contractor for Implementation of 20 MLD Tannery
Common Effluent Treatment Plant (CETP) upto Tertiary Treatment Along with Treated Sewage Dilution
Facility for Jajmau Leather Cluster, Uttar Pradesh

RFP No.:JTETA/CETP/001 Dated 25th August 2018

Addendum No.2 dated: 02.11.2018

S. No.	RFP Reference	Existing Clause		Revised Clause	
		Event	Date/Location	Event	Date/Location
1.	Section IV: Bid Data Sheet of the RFP document in connection with Corrigendum No.2 dt.18.10.2018	Last date and time for receipt (upload) of bids	Date 05 th November 2018 up to 03.00 PM	Last date and time for receipt (upload) of bids	Date 20 th November 2018 up to 03.00 PM
		Last Date and time for Submission of Power of Attorney, Bid Security, copy of online receipt towards Bid processing fee, and Joint Bidding Agreement	Date 05 th November 2018 up to 3.00 PM	Last Date and time for Submission of Power of Attorney, Bid Security, copy of online receipt towards Bid processing fee, and Joint Bidding Agreement	Date 20 th November 2018 up to 3.00 PM
		Time and date of opening bids (Qualification proposals)	Date 05 th November 2018 at 3.30 PM	Time and date of opening bids (Qualification proposals)	Date 20 th November 2018 at 3.30 PM
		Time and date of opening financial proposal	to be informed later	Time and date of opening financial proposal	to be informed later
		Place of opening of bid:	Through website https://etender.up.nic.in	Place of opening of bid:	Through website https://etender.up.nic.in

S. No.	RFP Reference	Existing Clause	Revised Clause
2.	Section III: 16B. O&M Security Clause 16B.1 Page 45-46	<p>The Selected Bidder shall have to furnish to the JTETA (i) CETP O&M Security, (ii) Common Chrome Recovery Unit O&M Security, (iii) Network Performance Security for O&M Period and (iv) ZLD Performance Security for O&M Period. The amount of O&M security should be:</p> <p>a. CETP O&M Security for a value equal to 4% of the CETP O & M Cost in the substance and form set out in Annexure 4 or in another form approved by JTETA,</p> <p>b Common Chrome Recovery Unit O&M Security for a value equal to 4% of the Common Chrome Recovery Unit O & M Cost in the substance and form set out in Annexure 4 or in another form approved by JTETA</p> <p>c. Network Performance Security for the O&M Period for a value equal to 4% of the Network O &M Cost in the substance and form set out in Annexure 4 or in another form approved by JTETA,</p> <p>d. ZLD Performance Security for the O&M Period for a value equal to 4% of the ZLD O &M Cost in the substance and form set out in Annexure 4 or in another form approved by JTETA.</p>	<p>The Selected Bidder shall have to furnish to the JTETA (i) CETP O&M Security, (ii) Common Chrome Recovery Unit O&M Security, (iii) Network Performance Security for O&M Period and (iv) ZLD Performance Security for O&M Period. The amount of O&M security should be:</p> <p>a. CETP O&M Security for a value equal to 2% of the CETP O & M Cost in the substance and form set out in Annexure 4A or in another form approved by JTETA.</p> <p>b Common Chrome Recovery Unit O&M Security for a value equal to 2% of the Common Chrome Recovery Unit O & M Cost in the substance and form set out in Annexure 4A or in another form approved by JTETA</p> <p>c. Network Performance Security for the O&M Period for a value equal to 2% of the Network O &M Cost in the substance and form set out in Annexure 4A or in another form approved by JTETA,</p> <p>d. ZLD Performance Security for the O&M Period for a value equal to 2% of the ZLD O &M Cost in the substance and form set out in Annexure 4A or in another form approved by JTETA.</p>
3.	Section II: Clause 4.1.2 (b) (i) Page 33	<p>the Bidder may rely on the experience of its Associate(s) for demonstrating the Technical Capacity (including, if applicable, under Clause 4.1.3). However, a Bidder claiming the experience of the Associates for Technical Capacity, shall submit a Letter of Commitment (Annexure 3) from such Associate that the expertise of the Associate will be made available during the development and operation of the Project.</p>	<p>the Bidder may rely on the experience of its Associate(s) for demonstrating the Technical Capacity (including, if applicable, under Clause 4.1.3). However, a Bidder claiming the experience of the Associates for Technical Capacity, shall submit a Letter of Commitment from such Associate that the expertise of the Associate will be made available during the development and operation of the Project.</p>

S. No.	RFP Reference	Existing Clause	Revised Clause
4.	Section III: 16. Performance Security Clause 16.4 Page 44	If the Selected Bidder fails to furnish the Performance Security /Securities in accordance with this Clause 16 on or before the execution of the Jajmau CETP Project Agreement, then JTETA shall have the right to forfeit the Bid Security of the Selected Bidder in accordance with Clause 15.5(d).	If the Selected Bidder fails to furnish the Performance Security /Securities in accordance with this Clause 16 on or before the execution of the Jajmau CETP Project Agreement, then JTETA shall have the right to forfeit the Bid Security of the Selected Bidder in accordance with Clause 15.5(C) .
5.	Section III: 16A. ESHS Performance Security Clause 16A.4 Page 45	If the Selected Bidder fails to furnish the ESHS Performance Security/Securities in accordance with this Clause 16A on or before the execution of the Jajmau CETP Project Agreement, then JTETA shall have the right to forfeit the Bid Security of the Selected Bidder in accordance with Clause 15.5(d).	If the Selected Bidder fails to furnish the ESHS Performance Security/Securities in accordance with this Clause 16A on or before the execution of the Jajmau CETP Project Agreement, then JTETA shall have the right to forfeit the Bid Security of the Selected Bidder in accordance with Clause 15.5(C) .
6.	Section IV: Bid Data Sheet Clause Reference Page 64	21.2.1 The prices quoted by the Bidder for BOQ items, i.e. Part A of the Bid Prices shall be subject to price adjustment and it shall be carried out in accordance with Schedule 21 and Schedule 33 of Jajmau CETP Project Agreement.	21.2 The prices quoted by the Bidder for BOQ items, i.e. Part A of the Bid Prices shall be subject to price adjustment and it shall be carried out in accordance with Schedule 12 and 13 of Jajmau CETP Project Agreement.
7.	Section IV: Bid Data Sheet Clause Reference Page 64	21.2.1 The prevailing Electricity Tariff referred to as 'Base Rate of Electricity Tariff' is INR 10 per KWh.	21.2 (c) The prevailing Electricity Tariff referred to as 'Base Rate of Electricity Tariff' is INR 10 per KWh.
Contract Section			
8.	Form of Contract 1.1. Contract Documents, S.No. w Page 5 of 221	Schedule "117" – General Specifications for Construction Phase	Schedule " 17 " – General Specifications for Construction Phase
9.	GCC 1.1 Definitions Liquidated Damages – Operations Page 14 of 221	is as defined in GCC Clause 5.5 read with SCC (Schedule 1) Clause 5.5	is as defined in GCC Clause 5.4 read with SCC (Schedule 1) S.No. 18
10.	GCC	means the Operations Services to be performed by the	means the Operations Services to be performed by the

S. No.	RFP Reference	Existing Clause	Revised Clause
	1.1 Definitions Operations Services Page 14 of 221	Contractor as contemplated by the General Conditions and the Operations Services Schedule (Schedule 2)	Contractor as contemplated by the General Conditions and the Operations Services Schedule (Schedule 3)
11.	GCC 1.1 Definitions OSA Section Page 14 of 221	means Operations Services Schedule (Schedule 2) Section	means Operations Services Schedule (Schedule 3) Section
12.	GCC 1.1 Definitions Performance Security Page 15 of 221	is defined in GCC Section 5.6.1(1)	is defined in GCC Section 5.5.1(1)
13.	GCC 1.1 Definitions Taxes Page 15 of 221	is defined in GC Section 5.7	is defined in GC Section 5.6
14.	GCC 1.1 Definitions Tests on Completion Page 15 of 221	means those tests set out in Schedule 16 (Technical Specifications), Scope of work sl.no.xxii as conducted pursuant to Schedule 15 DBSS Section 5.2(a)	means those tests set out in Schedule 16 (Technical Specifications), Scope of work sl.no.xxii as conducted pursuant to Schedule 2 DBSS Section 5.2(a)
15.	GCC Clause 9.12 (1) Page 63 of 221	The Contractor guarantees that during the Tests and Inspection set out in DBSS Article 5, the CETP Project and all parts thereof shall attain the Functional Guarantees as required	The Contractor guarantees that during the Tests and Inspection set out in DBSS Article 4 , the CETP Project and all parts thereof shall attain the Functional Guarantees as required
16.	GCC 11.1. Suspension Clause 11.1.2 (1) Page 70-71 of 221	Suspension by the Contractor (1) If, the JTETA has, (a) failed to pay the Contractor any sum due under the Contract within the period specified in the Contract; (b) failed to approve any invoice or supporting documents without just cause under the Contract; or (c) has committed a substantial breach of the Contract,the Contractor may give a notice to the	Suspension by the Contractor (1) If, the JTETA has, (a) failed to pay the Contractor any sum due under the Contract within the period specified in the Contract; (b) failed to approve any invoice or supporting documents without just cause under the Contract; or (c) has committed a substantial breach of the Contract,the Contractor may give a notice to the JTETA that requires

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		JTETA that requires payment of such sum, with interest thereon as stipulated in GC Section 5.2(3) requires approval of an invoice or supporting documents, or specifies a breach & requires the JTETA to remedy the same, as the case may be.	payment of such sum, with interest thereon as stipulated in GC Section 5.2.1.2 requires approval of an invoice or supporting documents, or specifies a breach & requires the JTETA to remedy the same, as the case may be.
17.	GCC 11.2. Termination Clause 11.2.5 (1) (a) (i) Page 77 of 221	failed to pay the Contractor any sum due under the Contract within the specified period, has failed to approve any invoice or supporting documents without just cause pursuant to the corresponding Terms and Procedures of Payment Schedule, or commits a substantial breach of the Contract, the Contractor may give a notice to the JTETA that requires payment of such sum, with interest thereon as stipulated in GC Section 5.2(3), requires approval of such invoice or supporting documents, or specifies the breach and requires the JTETA to remedy the same, as the case may be; and	failed to pay the Contractor any sum due under the Contract within the specified period, has failed to approve any invoice or supporting documents without just cause pursuant to the corresponding Terms and Procedures of Payment Schedule, or commits a substantial breach of the Contract, the Contractor may give a notice to the JTETA that requires payment of such sum, with interest thereon as stipulated in GC Section 5.2.1.2 , requires approval of such invoice or supporting documents, or specifies the breach and requires the JTETA to remedy the same, as the case may be; and
18.	Schedule 1 Special Conditions of Contract S.No. 12 Page 85 of 221	Clause 2.1.3 (2) – Commencement of Services The “Operations Starting Date”, with respect to the CETP Project, shall be the date of the Operational Acceptance Certificate for the CETP Project, subject to the Contractor having submitted the relevant Performance Security for the Operations Period in accordance with GCC Clause 5.6.1	Clause 2.1.3 (2) – Commencement of Services The “Operations Starting Date”, with respect to the CETP Project, shall be the date of the Operational Acceptance Certificate for the CETP Project, subject to the Contractor having submitted the relevant Performance Security for the Operations Period in accordance with GCC Clause 5.5.1
19.	Schedule 1 Special Conditions of Contract S. No. 18 Page 88 of 221	Clause 5.1(3) – Contract Price (b) Price Adjustment for O&M Price Price adjustment for the O&M price (Part B of the Contractor’s Price Schedule incorporated in Schedule 18 of the Contract) payable during the O&M period shall apply and the same shall be determined in accordance with Schedule 13of the Contract.	Clause 5.1(3) – Contract Price (b) Price Adjustment for O&M Price Price adjustment for the O&M price (Part B of the Contractor’s Price Schedule incorporated in Schedule 11 of the Contract) payable during the O&M period shall apply and the same shall be determined in accordance with Schedule 13 of the Contract.
20.	Schedule 1	Clause 5.6.1 (2) (a) and 5.6.1 (4)– Performance	Clause 5.5.1 – Performance Security

S. No.	RFP Reference	Existing Clause	Revised Clause
	Special Conditions of Contract S. No. 19 Page 88 of 221	Security	
21.	Schedule 1 Special Conditions of Contract S. No. 20 Page 89 of 221	Clause 5.6.2 (2) – Advance Payment Security Provisions in Clause 5.6.2 (2) shall be replaced with the following clause.	Clause 5.5.2 (2) – Advance Payment Security Provisions in Clause 5.5.2 (2) shall be replaced with the following clause.
22.	Schedule 1 Special Conditions of Contract S. No. 21 Page 89 of 221	Clause 5.7 – Taxes and Duties	Clause 5.6 – Taxes and Duties
23.	Schedule 2- DBSS 2.3 CETP Project Layout and operation sequence Clause (j) Page 108 of 221	Preparation of BOQ in accordance with Schedule 23 of this Contract to the satisfaction of the JTETA	Preparation of BOQ in accordance with Schedule 16 of this Contract to the satisfaction of the JTETA
24.	Schedule 2- DBSS Clause 3.2.10 (b) Page 115 of 221	The Contractor shall, at all times during building and construction, ensure that the Environmental Management Plan specified in Appendix 1 of Schedule 15 (Design Build Services) is fully complied and measures recommended in Environmental and Social Impact Assessment Study for the project (shared with the bidders as part of the information to the bidders) and ESHS implementation plans are implemented as per the ESHS code of practice	The Contractor shall, at all times during building and construction, ensure that the Environmental Management Plan specified in Schedule 2 (Design Build Services) is fully complied and measures recommended in Environmental and Social Impact Assessment Study for the project (shared with the bidders as part of the information to the bidders) and ESHS implementation plans are implemented as per the ESHS code of practice
25.	Schedule 2- DBSS 4.1 Tests and	The Contractor shall at its own expense carry out at the place of manufacture or on the Site all such tests	The Contractor shall at its own expense carry out at the place of manufacture or on the Site all such tests and inspections

S. No.	RFP Reference	Existing Clause	Revised Clause
	Inspection Clause (a) Page 117 of 221	and inspections of the Plant & Equipment. The Contractor shall, in addition to those tests and inspections set out in the Contract, develop a plan for all testing and inspection of the equipment that is required in order to complete the CETP Project in accordance with Schedule 23 of the Contract (Technical Specification) and implement such quality assurance plan	of the Plant & Equipment. The Contractor shall, in addition to those tests and inspections set out in the Contract, develop a plan for all testing and inspection of the equipment that is required in order to complete the CETP Project in accordance with Schedule 16 of the Contract (Technical Specification) and implement such quality assurance plan
26.	Schedule 2- DBSS 4.1 Tests and Inspection Clause (h) Page 118 of 221	If any Plant and Equipment or any part of the CETP Project, fails to pass any test or inspection, the Contractor shall either rectify or replace such Plant and Equipment or part of the CETP Project and shall repeat the test or inspection upon giving a notice under DBSS Section 5.1(3).	If any Plant and Equipment or any part of the CETP Project, fails to pass any test or inspection, the Contractor shall either rectify or replace such Plant and Equipment or part of the CETP Project and shall repeat the test or inspection upon giving a notice under DBSS Section 5.1(c) .
27.	Schedule 7 – KPI Clause 1.1 (b) (i) Page 174 of 221	The Contractor is required to receive, treat, and dispose all Waste water flowing to the CETP. If, however the industrial sewage is beyond the Influent Standards as set out in Schedule 10 (KPIs), then the Contractor shall be required to treat such waste water but will not be liable for any Performance Liquidated Damages (defined below) if the Treated Effluent and/or the Sludge fails to meet the Discharge Standards	The Contractor is required to receive, treat, and dispose all Waste water flowing to the CETP. If, however the industrial sewage is beyond the Influent Standards as set out in Schedule 7 (KPIs), then the Contractor shall be required to treat such waste water but will not be liable for any Performance Liquidated Damages (defined below) if the Treated Effluent and/or the Sludge fails to meet the Discharge Standards
28.	Schedule 7 – KPI Clause 1.1 (b) (iii) (A) Page 174-175 of 221	In the first instance of non-compliance of the Treated Effluent or the Sludge with the Discharge Standards (First Breach), the JTETA shall issue a notice to the Contractor on the first day of such non-compliance (First Breach Notice) requiring the Contractor to cure the First Breach within 5 days from the date of the First Breach Notice. If the First Breach is cured within 10 days of the First Breach Notice, then the Contractor shall not be liable to pay any Performance	In the first instance of non-compliance of the Treated Effluent or the Sludge with the Discharge Standards (First Breach), the JTETA shall issue a notice to the Contractor on the first day of such non-compliance (First Breach Notice) requiring the Contractor to cure the First Breach within 5 days from the date of the First Breach Notice. If the First Breach is cured within 10 days of the First Breach Notice, then the Contractor shall not be liable to pay any Performance Liquidated Damages. If, however, the First

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		Liquidated Damages. If, however, the First Breach continues beyond 10 days of the First Breach Notice, then, the Contractor shall be liable to pay the Performance Liquidated Damages specified in Schedule 7, from the 5th day of the First Breach.	Breach continues beyond 10 days of the First Breach Notice, then, the Contractor shall be liable to pay the Performance Liquidated Damages specified in Schedule 8 , from the 5th day of the First Breach.																																																								
29.	Schedule 7: Key Performance Indicators - Section 1.1.2 Treated Effluent Quality Page 178 of 221	<p>Section 1.1.2: Effluent Quality The Treated Effluent shall meet the following requirements after Ultra Filtration (UF):</p> <table border="1"> <thead> <tr> <th>S.No.</th> <th>Parameters</th> <th>UoM</th> <th>Outlet of UF</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>pH</td> <td>-</td> <td>6.5 to 8.5</td> </tr> <tr> <td>2</td> <td>Total Dissolved Solids (TDS)#</td> <td>mg/l</td> <td><2100</td> </tr> <tr> <td>3</td> <td>BOD3 27oC</td> <td>mg/l</td> <td><5</td> </tr> <tr> <td>4</td> <td>COD</td> <td>mg/l</td> <td><160</td> </tr> <tr> <td>5</td> <td>Total Suspended Solids (TSS)</td> <td>mg/l</td> <td>BDL</td> </tr> <tr> <td>6</td> <td>Total Chromium</td> <td>mg/l</td> <td>BDL</td> </tr> </tbody> </table> <p>BDL – Below Detectable Level # this parameter will be achieved by dilution with available treated sewage with minimum quantity of 173 MLD and TDS ≤ 600 mg/l, subject to CETP influent TDS value of ≤ 13000 mg/l.</p>	S.No.	Parameters	UoM	Outlet of UF	1	pH	-	6.5 to 8.5	2	Total Dissolved Solids (TDS)#	mg/l	<2100	3	BOD3 27oC	mg/l	<5	4	COD	mg/l	<160	5	Total Suspended Solids (TSS)	mg/l	BDL	6	Total Chromium	mg/l	BDL	<p>Section 1.1.2: Effluent Quality The Treated Effluent shall meet the following requirements after Ultra Filtration (UF):</p> <table border="1"> <thead> <tr> <th>S.No.</th> <th>Parameters</th> <th>UoM</th> <th>Outlet of UF</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>pH</td> <td>-</td> <td>6.5 to 8.5</td> </tr> <tr> <td>2</td> <td>Total Dissolved Solids (TDS)#</td> <td>mg/l</td> <td><2100</td> </tr> <tr> <td>3</td> <td>BOD3 27oC</td> <td>mg/l</td> <td><5</td> </tr> <tr> <td>4</td> <td>COD</td> <td>mg/l</td> <td><160</td> </tr> <tr> <td>5</td> <td>Total Suspended Solids (TSS)</td> <td>mg/l</td> <td>BDL</td> </tr> <tr> <td>6</td> <td>Total Chromium</td> <td>mg/l</td> <td>BDL</td> </tr> </tbody> </table> <p>BDL – Below Detectable Level # this parameter will be achieved by dilution with available treated sewage with minimum quantity of 173 MLD and TDS ≤ 600 mg/l, subject to CETP influent TDS value of ≤ 13000 mg/l. If the TDS levels of treated sewage from the STP is more than 600 mg/l. and/or the quantity of sewage is less than 170 MLD as a result of which the TDS of 2100 mg/l cannot be achieved by dilution, then the contractor will be exempted from meeting the required TDS as mentioned above table.</p>	S.No.	Parameters	UoM	Outlet of UF	1	pH	-	6.5 to 8.5	2	Total Dissolved Solids (TDS)#	mg/l	<2100	3	BOD3 27oC	mg/l	<5	4	COD	mg/l	<160	5	Total Suspended Solids (TSS)	mg/l	BDL	6	Total Chromium	mg/l	BDL
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30.	Schedule 8 – LD	Each Non-Conformance indicated through online	Each Non-Conformance indicated through online monitoring																																																								

S. No.	RFP Reference	Existing Clause	Revised Clause
	Non-Conformance Clause 1.1 Page 183 of 221	monitoring system installed at the outlet of the CETP (beyond a total of 15 minutes per day) and laboratory analysis based on 24 hours composite samples to the KPI per day after 5 days of First Breach Notice, as defined in Schedule 8 of the Jajmau CETP Project Agreement	system installed at the outlet of the CETP (beyond a total of 15 minutes per day) and laboratory analysis based on 24 hours composite samples to the KPI per day after 5 days of First Breach Notice, as defined in Schedule 7 of the Jajmau CETP Project Agreement
31.	Schedule 11 Contractor's Price Schedule Para 1 Page 198 of 221	The Price Schedule (Schedule 18) shall consist of the following and is collectively called the Contract Price: - Schedule 18 Part A - BOQ Price against Survey, reviewing the Designs, redesigning where necessary, build, test, and successful commissioning of the Jajmau Common Effluent Treatment Plant (CETP) Project. - Schedule 18 Part B - Operation and Maintenance for 5 years	The Price Schedule (Schedule 11) shall consist of the following and is collectively called the Contract Price: - Schedule 11 Part A - BOQ Price against Survey, reviewing the Designs, redesigning where necessary, build, test, and successful commissioning of the Jajmau Common Effluent Treatment Plant (CETP) Project. - Schedule 11 Part B - Operation and Maintenance for 5 years
32.	Schedule 12 Terms and Procedure of Payment Article 2, S.No.2 Page 203 of 221	Payment of Power Charges: The Contractor shall be responsible for making payments directly to the Utility Company against all bills ("Electricity Dues") for electricity consumed in operation of the CETP Project, if are included in the scope of the contract, as the cost of electrical energy needed for O&M is included in the O&M price stipulated in the contract. The Power Charges initially be borne by the Contractor, shall be reimbursed to the Contractor by JTETA subject to a cap of the Power Charges based on the respective Guaranteed Energy Consumption. It is clarified that the JTETA will not reimburse the Concessionaire for any penalty amount levied on the Concessionaire, as part of its electricity bills.	Payment of Power Charges: The JTETA shall be responsible for making payments directly to the Utility Company against all bills ("Electricity Dues") for electricity consumed in operation of the CETP Project and the same shall not be paid to the contractor against. The cost of electrical energy needed for O&M included in the O&M price stipulated in the contract. The Power Charges initially be borne by the JTETA will be subject to a cap of the Power Charges based on the respective Guaranteed Energy Consumption (GEC). It is clarified that the JTETA will recover any additional power charges paid by it over and above the GEC and any penalty amount levied on the Contractor, as per the provisions of this contract.
33.	Schedule 12	JTETA shall pay O&M prices on a Quarterly basis,	The Power Charges will be paid by JTETA directly to

S. No.	RFP Reference	Existing Clause	Revised Clause
	Terms and Procedure of Payment Article 2, (1) (a) Page 202 of 221	from the relevant Operations Starting Date to the Contractor, as determined in accordance with the provisions of this Clause and other relevant provisions of this Contract Agreement. The Quarterly prices in respect of Operations and Maintenance services shall be paid during the relevant Operations period as three times the quoted monthly O&M prices after necessary price adjustments and including for Liquidated Damages – Operations (including Power Consumption Liquidated Damages) computed as per Schedule 20 of this Contract	the electricity utility company. JTETA shall pay O&M prices excluding power charges on a Quarterly basis, from the relevant Operations Starting Date to the Contractor, as determined in accordance with the provisions of this Clause and other relevant provisions of this Contract Agreement. The Quarterly prices in respect of Operations and Maintenance services shall be paid during the relevant Operations period as three times the quoted monthly O&M prices after necessary price adjustments and including for Liquidated Damages – Operations (including Power Consumption Liquidated Damages) computed as per Schedule 8 of this Contract
34.	Schedule 12 Terms and Procedure of Payment Article 2, (1) (b) Page 202 of 221	If the scope of O&M services is varied by the JTETA owing to variation in the CETP Project to be operated and maintained by the Contractor during any part of the contract period, the O&M charges payable to the Contractor shall be subject to adjustment on the basis of unit O&M prices provided in the Contractor’s Price Schedule incorporated in Schedule 18 of the Contract.	If the scope of O&M services is varied by the JTETA owing to variation in the CETP Project to be operated and maintained by the Contractor during any part of the contract period, the O&M charges payable to the Contractor shall be subject to adjustment on the basis of unit O&M prices provided in the Contractor’s Price Schedule incorporated in Schedule 11 of the Contract.
35.	Schedule 13 Price Adjustment Clause 4.2 (b) Page 212 of 221	Guaranteed Energy Consumption for the actual level of effluent handled by each component will be calculated based on the energy consumption/MLD for the relevant year of the O&M period as quoted in the Contractor’s Price Schedule incorporated in Schedule 18 of the Contract	Guaranteed Energy Consumption for the actual level of effluent handled by each component will be calculated based on the energy consumption/MLD for the relevant year of the O&M period as quoted in the Contractor’s Price Schedule incorporated in Schedule 11 of the Contract
36.	Schedule 13 Price Adjustment Clause 4.4, Para 1 Page 214 of 221	O&M prices quoted in the Contractor’s Price Schedule incorporated in Schedule 18 take into account energy requirements of being met fully by power supplied by the Electricity Utility Company. Hence compensation payable to the Contractor for Energy supply taken from an alternate source, namely	O&M prices quoted in the Contractor’s Price Schedule incorporated in Schedule 11 take into account energy requirements of being met fully by power supplied by the Electricity Utility Company. Hence compensation payable to the Contractor for Energy supply taken from an alternate source, namely the back-up power supply Unit shall be

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		the back-up power supply Unit shall be corrected as under:	corrected as under:
37.	Annexure I Schedule 16 of Addendum 1, Schedule of item Sl.No. 13, Page 281 of 449	Supply of Supernatant Transfer Pump & Accessories	Supply of Supernatant Transfer Pump & Accessories along with 1 set of 10 micron cartridge filter / bag filter – 1 Set can be installed in the Supernatant pump discharge to reduce the chromium slippage to CETP.
38.	Annexure I Schedule 16 of Addendum 1, Page Nos. 92, 94, 96, 100, 355,356, 358 & 361 of 449	Air Blowers should be supplied with Air Foil Bearing for high speed operation.	Magnetic bearing shall be considered instead of Air foil Bearing in the Turbo Air Blower.
39.	In Addendum 1 Page No. 57 of 449: Ultra Filtration System (UF), S.No. 64	Auto back washable filter: 50 micron x 4 Skids = 4 Nos. No. of membranes shall be with respect to Gross permeate flux at 40 LMH, which is inclusive of backwash, CIP and CEB qty and net permeate flux at 35 LMH to produce a nett. output of 20 MLD (85% nett. recovery) of treated water	No. of membranes shall be with respect to Gross permeate flux at 40 LMH, which is inclusive of backwash, CIP and CEB qty and net permeate flux at 35 LMH to produce a nett. output of 20 MLD (85% nett. recovery) of treated water
40.	In Addendum 1 Page No. 58 of 449: Ultra Filtration System (UF), S.No. 64 (a)	Auto Backwash filter	Auto back washable filter: 50 micron x 4 Skids = 4 Nos.
41.	In Addendum 1, Page No.: 195 of 750, S.No. 7	UF Membrane, compressor with Skid: Supply of UF membrane module with end connection arrangements with compressor and Skid suitable for UF system feed flow of 25786 cu.m/day @20 hrs operation. UF Membrane specification: IN to OUT, Gross permeate flux: 40LMH; Feed flux: 53LMH:	UF Membrane, compressor with Skid: Supply of UF membrane module with end connection arrangements with compressor and Skid suitable for UF system feed flow of 25786 cu.m/day @20 hrs operation. UF Membrane specification: IN to OUT, Gross permeate

S. No.	RFP Reference	Existing Clause	Revised Clause
		<p>Recovery: 85%, Hollow fibre, Membrane active area and , Number of membranes/Skid as per manufacturer standard, Skid- 4 Nos. Application: Quartz filter outlet, operating pH – 7 to 8, Cleaning pH- 2 to 12, TDS- 20000 to 21000mg/ Ltrs MOC: Modified PES/ Housing: UPVC Membrane Make- Hyflux/ GE/ Ingae/ Qua or equivalent.</p> <p>Membrane Accessories: Permeate adapter, couplings, ‘O’ Rings and gaskets</p> <p>Specification of UF skid: Skid with proper supporting clamp which is suitable for UF membranes, No of skid- 4, MOC: SS 316L and necessary spares for 1 year operation. Note: For complete details refer Technical specification sheet.</p>	<p>flux: 40LMH; Feed flux: 53LMH: Recovery: 85%, Hollow fibre, Membrane active area and , Number of membranes/ Skid as per manufacturer standard, Skid- 4 Nos. Application: Quartz filter outlet, operating pH – 7 to 8, Cleaning pH- 2 to 12, TDS- 20000 to 21000mg/ Ltrs MOC: Modified PES/ Housing: UPVC</p> <p>Membrane Make- Hyflux/ GE/ Inge/MEMCOR/ Qua/LG/DEERFOS/Uniqflux or equivalent.</p> <p>Membrane Accessories: Permeate adapter, couplings, ‘O’ Rings and gaskets</p> <p>Specification of UF skid: Skid with proper supporting clamp which is suitable for UF membranes, No of skid- 4, MOC: SS 316L and necessary spares for 1 year operation. Note: For complete details refer Technical specification sheet.</p>
42.	In Addendum 1, Page No. 329 of 750: Ultra Filtration System, S.No. 62	<p>Auto back washable filter: 50 micron No. of Membranes / Skid : 3 Nos Type of UF Membrane: In to Out Membrane Active Area: 100 m²/module Gross Permeate Flux: 40 LMH Feed Flux: 53 LMH Recovery: 85% Filtration & backwash cycles /day: 38 cycles /day</p>	<p>No. of Membranes / Skid : 3 Nos Type of UF Membrane: PS/PES/PVDF Membrane Active Area: upto 100m²/module Gross Permeate Flux: 40 LMH Feed Flux: 53 LMH Recovery: 85% Filtration & backwash cycles /day: 38 cycles /day (or) as per Bidder’s design calculation.</p>
43.	In Addendum 1, Page No. 329 of 750: Ultra Filtration System, S.No. 62(a)	Auto Backwash filter	Auto back washable filter: 50 micron x 4 Skids = 4 Nos.

S. No.	RFP Reference	Existing Clause	Revised Clause
44.	In Addendum 1, Page No. 58 of 750: Ultra Filtration System, S.No. 66	Capacity of the Pump : 650 m ³ /hr @ 30m Head x 3 = Nos kW of the Pump : 90 kW	Capacity of the Pump : 650 m³/hr (or) Based on Bidder's Calculation. @ 30m Head x 3 = Nos kW of the Pump : 90 kW
45.	In Addendum 1, Page No. 331 of 750: Nano Membranes, S.No. 62	Type of NF Membrane: DSL NF8040 (GE) Average Flux: 13.48 LMH Recovery: 80% Feed TDS:23360 mg/lit (UF Permeate) Reject TDS: 38320 mg/lit Size: 8040 Stage-I : 12 Nos Stage-II: 6 No Total = 18 Nos	Type of NF Membrane: Nanofiltration membrane Average Flux: 13.48 LMH Recovery: 80% Feed TDS:23360 mg/lit (UF Permeate) Reject TDS: 38320 mg/lit Size: 8040 Stage-I : 12 Nos Stage-II: 6 No Total = 18 Nos
46.	In Addendum 1, Page No. 332 of 750: R.O Membrane, S.No. 95	RO System Configuration: 2:1 Type of RO Membrane: SW30HRLE-370/34i (FILMTEC) Average Flux: 7.7 LMH Recovery: 60% Feed TDS:19600 mg/lit (NF Permeate) Reject TDS:48000 mg/lit Size: 8040 Stage-I : 12 Nos Stage-II: 6 Nos Total = 18 Nos	RO System Configuration: 2:1 Type of RO Membrane: Sea Water Membrane Make of Membrane: DOW/Hydranautics/LG Chem Average Flux: 7.7 LMH (or) As per Bidder's design Calculation Recovery: 60% Feed TDS:19600 mg/lit (NF Permeate) Reject TDS:48000 mg/lit Size: 8040 Stage-I : 12 Nos Stage-II: 6 Nos Total = 18 Nos