

City of Seattle Invitation to Bid SCL\_1189  
**Addendum 9**  
**Updated on: 11/14/13**

The following is additional information regarding Invitation to Bid #1189 titled **Power Transformer with No-Load Tap Changer for East Pine Substation Bank 95 Replacement** released on 10/14/2013. The **New** due date and time for responses is 11/18/13 3:00 PM (Pacific). This addendum includes both questions from prospective proposers and the City's answers, and revisions to the ITB. This addendum is hereby made part of the ITB and therefore, the information contained herein shall be taken into consideration when preparing and submitting a bid/proposal.

Item #	Date Received	Date Answered	Vendor's Question	City's Answer	RFP Revisions
<b>Addendum 1</b>					
1	10/14/13	10/15/13	<p>1) Vendor haven't been able to open embedded file &lt;&lt;ContractBondID 6-5-2008.doc&gt;&gt;</p> <p>2) I recall that SCL requires an assurance that potential vendors are "bond-able." Is this the document that refers to that requirement?</p>	<p>1) Attached in the next column is a copy of the Contract Bond ID document. Please open and review if you were not able to open the document embedded in the solicitation.</p> <p>2) Completion of this document does offer assurance of bond-ability for the vendor.</p>	<p><b>Contract Bond ID Document</b></p>  <p>ContractBondID 6-5-2008.doc</p>
2	10/14/13	10/15/13	Regarding licensing, please confirm that no licensing is required of a manufacturer prior to the award.	Please reference section 4. Licensing and Business Tax Requirements. All required licensing will be verified after award and prior to contract execution. If vendor cannot meet required license the City may reject the vendor.	<b>No Revision</b>
3	10/14/13	10/15/13	Another attachment issue: in the pdf document <<East Pine Bank 95 Specifications.pdf>> (attached), there are a number of embedded documents on page 4 and below. None of those embedded documents can be opened.	Attached in the next column is the word version of the East Pine Bank 95 Specifications. Please be sure to review all embedded documentation prior to bidding.	<p><b>Word Version of East Pine Bank 95 Specifications</b></p>  <p>East Pine Bank 95 Specifications.doc</p>
4	10/15/13	10/15/13	What is the projected budget for this purchase?	The City anticipates this purchase to be around \$2M plus or minus \$500K. The award of the bid is primarily based on	<b>No Revision</b>

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				price once all other requirements are met.	
<b>Addendum 2</b>					
5	10/16/13	10/17/13	According to 'Instructions to Bidders (Clause 5)', bidder need to submit the bid bond (5%) with their proposal. Is it correct?	This solicitation does not require a bid bond so this clause does not apply. Please reference the clause pertaining to the Contract Bond when responding to the solicitation.	
6	10/16/13	10/17/13	As per the Invitation page 7, bidder has to submit the contract bond upon receipt of purchase order.  Please confirm the validity and amount (each 50%?) of both performance and payment bond?	Any contract bond submitted must be for 50% of the contract value.  The Payment and Performance Bond is a single document so yes, it's 50% of both performance and payment for the value of the contract.  Reference the PaymentPerformanceBond PDF in section 5.	<b>No Revision</b>
<b>Addendum 3</b>					
7	10/18/13	10/18/13	The requirement states the bidder must demonstrate at least 10 years of experience in similar size unit.... If company opened additional factory less than 10 years does it qualify if the engineering for the factory having the 10 years' experience?	In this scenario the bidder would qualify. The company itself has been in business performing the required work for the required 10 years. What we want to achieve is an experience vendor and as long as the company and the engineering staff has the mandatory experience it satisfies the requirement.  Summary: <ul style="list-style-type: none"> <li>- The Company must have 10 years' experience in providing</li> </ul>	<b>No Revision</b>

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				<ul style="list-style-type: none"> <li>- the required work.</li> <li>- The engineering staff must have 10 years' experience in performing the required work.</li> </ul>	
<b>Addendum 4</b>					
8	10/22/13	10/23/13	<p>In SCL's specification 6.11.6 Bushings, a. General (Page 25) stated as follows,</p> <ul style="list-style-type: none"> <li>- ...Resin-impregnated-paper (RIP) outdoor bushings with silicon composite housing.</li> <li>- Color shall be ANSI gray and come with porcelain housing.</li> <li>- All bushings shall be of recent American manufacture.</li> <li>- Each of the bushings shall be manufactured by P-CORE, or ABB or Hubbell.</li> </ul> <p><b>&lt;Question&gt;</b>  P-CORE, ABB or Hubbell in USA do not make RIP bushing with silicon composite housing. Their standard bushings are OIP with porcelain housing. As far as we concerned, HSP/Germany &amp; ABB Micafil/Swiss only can make RIP bushing with silicon composite housing.</p> <p>Please confirm us which manufacturer bushings HHI should supply.</p>	<p><b>&lt;Answer&gt;</b>  ABB/Micafil bushing made in Switzerland will be acceptable, as we are familiar with the brand and product quality.</p>	<p>Exceptions made to the American manufacture of the bushings. ABB/Micafil is now acceptable for bid based on the City's familiarization and experience with the brand.</p>
9	10/23/13	10/23/13	<p>10 years of experience of selling: in order to demonstrate our meeting this requirement would a copy of nameplate (or multiple) for a transformer, of similar rating, installed in US more than 10 years ago be sufficient?</p>	<p>Nameplate information along with the year of installation and contact information of the utility where installed is all we need</p>	Clarification Only
10	10/23/13	10/23/13	<p>Is third party repair and testing facilities acceptable? Currently we have qualified third party for such purpose, and they do have locations throughout US and are available 24/7. If we have a statement from them confirming their capability, will it suffice?</p>	<p>The third party repair and test facility is acceptable. Provide the address and statement confirming the capability and availability to perform the service</p>	Clarification Only

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				in the USA.	
<b>Addendum 5</b>					
11	10/23/13	10/28/13	Question: "Although the titles of the RFP read as Power Transformers, We believe the 250 MVA unit is an Autotransformer. Please verify."	The ITB is for a power auto-transformer.	Clarification of title and transformer reference.
12	10/23/13	10/28/13	The way the specification is read, all potential bidders will be eliminated. Section 6.11.6.a paragraph 2 states "Each of the bushings shall be manufactured by PCORE, ABB, or Hubbell." We are assuming Hubbell refers the Electro Composites. Hubbell and PCORE are sister bushing companies which make up the bushing business unit (BBU) of Hubbell Power Systems.  Paragraph 1 of the same section states all bushings shall be resin-impregnated paper (RIP) with silicon housing. This construction can only be provided by ABB. PCORE will provide porcelain housing, and Electro Composites will provide our SDC cycloaliphatic resin oil-free bushing, therefore eliminating both. Now the RIP technology from ABB is fabricated in Europe. The specification further states that "all bushings shall be of recent American manufacturer" thus eliminating all manufacturers from the bid.	Part of the answer is the City will accept non-American manufactured bushings but they must be preapproved by SCL prior to submitting your bid; such is the case for ABB/Micafil bushing made in Switzerland as stated in Addendum 4, item 8.  Regarding the City's acceptance of porcelain housing and SDC cycloaliphatic resin oil-free bushings:  We are sure about the reliability, quality of construction and cost of the bushing we are specifying. ABB/Micafil bushing with silicone polymer housing is what we need. No porcelain housing acceptable.	Minor change to the acceptance of non-American manufactured bushings.  Clarification on housing acceptability.
13	10/25/13	10/28/13	Our team is working on this project now, and in order to submit a better offer we hereby apply for a time extension of 2 weeks for the preparation of bidding document. Is it acceptable?	Unfortunately we are not able to extend the time for bid submittal due to strict timelines.	No Revisions
<b>Addendum 6</b>					
14	10/29/13	11/5/13	Question: Spec. 6.1.4 specifies Auto Transformer. Should Spec. 6.11.6 be changed to one neutral bushing?	<b>Answer:</b> The autotransformer will have only one neutral bushing, as shown on page 20, Figure 1.	No Revisions
15	11/1/13	11/5/13	Invitation to Bid, page 5, "Cancellation of Orders" ITB writes Cancellation Charge shall, "not in any event to	Answer: Due to the custom work of building this transformer, the	Increase of exceed limit the City pays if order is cancelled.

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			exceed 10% of the total value of the order". Because transformers are custom fabricated product, we expect cancellation charge will be paid to expenses incurred up until the date of the cancellation which could exceed 10%. Please clarify.	City is increasing the exceed limit due to cancellation to 20%. Per the cancellation terms such charges shall be, "reasonable expenses incurred up until the date of the cancellation that cannot be reasonably avoided or offset by the Vendor".	
16	11/1/13	11/5/13	Invitation to Bid, page 12, "Effective Dates of Offer" ITB writes, "Bid must remain valid until City completes award". Please specify duration of bid validity date, such as 90 days.	<b>Answer:</b> The City expects to complete award within 90 days but unforeseen factors can extend this time. If providing a validity date with your bid please make it 90 days or greater. Confirmation of this date will be made if award date is extended beyond the 90 days.	Bids that state a validity date of 90 days or greater will be acceptable as responsive.
17	11/1/13	11/5/13	Terms and Conditions, Section 28, "Warranties" Warranty will be given to conditions specified in the specification and "fit for the purpose(s) for which intended, for merchantability" should not be applied.	<b>Answer:</b> Section 28, Warranties will remain as is. Vendor must warrant that proposed product will work and be fit for the purposed specified in the City's ITB and Specs.	No Revision
18	11/1/13	11/5/13	Terms and Conditions, Section 28, "Warranties" Please confirm that "consequential damages" shall not apply to Warranty, Indemnification, or any other condition.	<b>Answer:</b> Section 28, Warranties will remain as is. For additional warranty language please reference Section 12, Warranty of the embedded SCL Specification.	No Revision
19	11/1/13	11/5/13	Terms and Conditions, Section 28, "Warranties" Please confirm that normal wear and tear of the material, or storage, operation or maintenance of the material is not covered by Warranty.	<b>Answer:</b> Section 28, Warranties will remain as is. For additional warranty language please reference Section 12, Warranty of the embedded SCL Specification.	No Revision
20	11/1/13	11/5/13	Terms and Conditions, Section 39, "Indemnification" Please confirm that the City shall protect, defend, indemnify and hold the Contractor harmless from all the	<b>Answer:</b> The City will not indemnify contractor for the listed items.	No Revision

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			conditions listed in this clause.																										
21	11/1/13	11/5/13	"Limitation of Liability" Please confirm that 100% Limitation of Liability is acceptable.	<b>Answer:</b> Limitation of Liability remains as is. Requested change not acceptable.	No Revision																								
22	11/4/13	11/5/13	<p>Spec 6.11.17 Cooling system indicates- The radiators shall be constructed of stainless steel tubes or galvanized steel welded into stainless steel headers.</p> <p>Please confirm this requirement for Stainless Steel in the cooling system for the above mentioned transformer is correct?</p>	<p><b>Answer:</b> The City is revising the language of Spec 6.11.17 of SCL Specification as follows:</p> <p><b>Current Language</b>          "The radiators shall be constructed of stainless steel tubes or galvanized steel welded into stainless steel headers."</p> <p><b>Revised Language</b>          "The radiators shall be constructed of stainless steel. No painting or coating is required of radiator surfaces."</p>	<p>Please reference revised language for SCL Specification 6.11.17 when submitting your bid.</p> <p><b>Revised Language</b>          "The radiators shall be constructed of stainless steel. No painting or coating is required of radiator surfaces."</p>																								
23	11/5/13	11/5/13	<p>Confirm whether the bidder should meet the dimension of main body and oil volume as indicated below. Would you be able to comment us this at your earliest possible?</p> <p><b>1) Bid Offer Form Page 2 of 8</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">g</th> <th style="width: 75%;">Physical Data</th> <th style="width: 15%;">Unit (ft)</th> <th style="width: 5%;">Bid</th> </tr> </thead> <tbody> <tr> <td>a</td> <td>Transformer Dimension</td> <td></td> <td></td> </tr> <tr> <td></td> <td>Height</td> <td></td> <td></td> </tr> <tr> <td></td> <td>Width</td> <td style="text-align: center;">22 feet</td> <td></td> </tr> <tr> <td></td> <td>Length</td> <td style="text-align: center;">30 feet</td> <td></td> </tr> <tr> <td></td> <td>Untanking (plus Slings)</td> <td></td> <td></td> </tr> </tbody> </table> <p><b>2) Bid Offer Form Page 4 of 8</b></p>	g	Physical Data	Unit (ft)	Bid	a	Transformer Dimension				Height				Width	22 feet			Length	30 feet			Untanking (plus Slings)			<b>Answer:</b> The bidder shall meet the dimensions and oil quantity as specified.	No Revisions
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			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%;">19</td> <td style="width: 35%;">Transformer Oil</td> <td style="width: 15%;">Volume (gallons)</td> <td style="width: 15%;">Certification</td> <td style="width: 10%;">Content</td> <td style="width: 20%;"></td> </tr> <tr> <td>a</td> <td>Main Tank ≤ 10000 gallons</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>b</td> <td>Test Report</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>c</td> <td>PCB Amount in PPM</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>d</td> <td>Corrosive Sulfur Content</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>				19	Transformer Oil	Volume (gallons)	Certification	Content		a	Main Tank ≤ 10000 gallons					b	Test Report					c	PCB Amount in PPM					d	Corrosive Sulfur Content						
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24	11/5/13	11/5/13	Will completing the "ContractBondID 6-5-2008" suffice the requirement for Letter of Commitment from an approved surety? Please advise.	<p><b>Answer:</b> The "ContractBondID 6-5-2008" will not suffice for the letter of commitment or letter. The Letter shall be from a qualified Bond Agency as specified in section 5 of the ITB and shall confirm the willingness of the Bond Agency to provide a bond at 50% of the contract value that meets the form and requirements of the City Bond Form, should the vendor win award.</p>	Bidder must return with their bid a letter of commitment as stated in section 5 of the ITB.																																	
25	11/5/13	11/6/13	Can you verify the new transformer will be set on the pad with the leaky transformer (absorbent oil pad around it)?	<p><b>Answer:</b> The new transformer will be set on the pad with oil containment around it.</p>	No Revisions																																	
26	11/5/13	11/6/13	This is a very difficult site due to the route, the overhanging trees and brick walls on three sides. The apparent route will be taking 22 from Martin Luther King and entering on the south side. However, the overhead lines on the route and the trees will complicate this heavy haul. A beam/dolly configuration is the best for a low profile but maneuverability is hard in this confined substation. It may make sense to transload the transformer to a goldhofer but this increases the height and the cost, plus a suitable site to make the switch would be needed. Would Seattle City Light allow the removal of one of the brick walls and it being rebuilt after the move?	<p><b>Answer:</b> SCL will cooperate with the vendor, removal of wall can be considered or necessary steps will be taken to make the delivery possible and cost effective. The transformer is adjoining the gate on the north gate of west side. Transformer is accessible from the west wall easily.</p>	Clarification																																	
	11/5/13	11/6/13	Would SCL allow a site walk inside the East Pine sub?	<p><b>Answer:</b> Site walk is allowed and is a routine after the bid is</p>	Clarification																																	

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				awarded	
27	11/5/13	11/6/13	Regarding the monitoring system there are several questions: Page 35, section c, #1 of the spec discusses the load monitoring as "single phase load currents from the secondary side of bushing mounted CT's" but this is a 3 phase transformer. On previous projects, SCL monitors current and voltage. Please clarify whether SCL wants to monitor current and voltage on all three phases?	<b>Answer:</b> Page 35, section c, #1: The load monitoring is for thermal profile, and single phase monitor is sufficient.	Clarification
28	11/5/13	11/6/13	Regarding the monitoring system there are several questions: Page 38, section k #1 of the spec discusses the fiber optic system. This section seems to be written around the Lumasense spec. I believe Dynamic Ratings uses a Lumasense board in their fiber optic monitoring but there is a difference in their arrangement. On the previous Hico transformers, the fiber optic specification accurately defined the Dynamic Ratings arrangement. Please clarify SCL's intent on the fiber optic monitoring system	<b>Answer:</b> Page 38, section k #1: Will work with be successful bidder to resolve the issue during drawing review.	Clarification
29	11/5/13	11/6/13	Regarding the monitoring system there are several questions: Page 39 #3 of the spec discusses the annunciator. Based on our recent experiences, the Dynamic Rating equipment cannot directly interface with the annunciator. Dynamic Ratings commented on this in a recent spec review. Please confirm the annunciator interface.	<b>Answer:</b> Page 39 #3: Will work with be successful bidder to resolve the issue during drawing review.	Clarification
30	11/6/13	11/6/13	Vendor states that sections 6.11.15, Control and Monitoring Equipment (1,2,3, & 4) lack the clarity, design intent and integration feasibility to provide an accurate quotation: 6.11.15 Control and Monitoring Equipment 1. Temperature Monitoring 2. Fiber Optic Sensors 3. Thermal Monitoring, Control, and Communications (CTMS) Device "ANSI Device No. 30"	<b>Answer:</b> As mentioned on page 35 of the specification, section 6.11.15, SCL has specified "Dynamic Ratings E3-8100 transformer management system" and "compatible optical fiber sensors", as specified. SCL will work with successful vendor to provide additional clarification	Clarification

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			<p>c. Load Monitoring  k. Fiber Optic System  3. Annunciator  Table 4: Input and Output for Tripping, Alarming, and Monitoring Requirements  Figure 2: Input and Output Schematic for Tripping and Alarming.</p> <p>Vendor asks that specification be revised with better definition of the design intent from the points above.</p>	during drawing review.	
<b>Addendum 7</b>					
31	11/12/13	11/12/13	Due date for Bids extended to 11/15/13 – 3:00 PM Pacific to allow for Site visit on 11/14/13 at 9:00 AM.	Due date for Bids extended to 11/15/13 – 3:00 PM Pacific to allow for Site visit on 11/14/13 at 9:00 AM	Due date for Bids extended to 11/15/13 – 3:00 PM Pacific to allow for Site visit on 11/14/13 at 9:00 AM
32	11/12/13	11/12/13	Optional Site visit scheduled due to multiple requests. The address and time is to the right. This also extends the due date of bid submittal to 11/15/13 at 3:00 PM Pacific	<p>Seattle City Light East Pine Substation  1555 23rd Avenue Seattle, WA, 98122</p> <p>Meet on the west side of the substation. Substation phone number is 206-517-5344. Bring PPE (hard hat, hard sole shoes) with you.</p>	Due date for Bids extended to 11/15/13 – 3:00 PM Pacific to allow for Site visit on 11/14/13 at 9:00 AM
<b>Addendum 8</b>					
33	11/14/13	11/14/13	Due date for Bids extended to 11/15/13 – 3:00 PM Pacific		
34	11/14/13	11/14/13	Please refer to SCL Specification section 6.11.19, Transformer Oil and Bid Form Page 2 of 8 regarding the maximum oil volume being 10,000 gallons.	SCL has made a determination to increase the maximum oil volume to 13,000 gallons from the originally stated 10,000 gallons.	The maximum volume of transformer oil has been increased to 13,000 Gallons
<b>Addendum 9</b>					
35	11/14/13	11/14/13	<b>Correction to line #34 above:</b> Please refer to SCL Specification section 6.11.19, Transformer Oil and Bid Form Page 2 of 8 regarding the maximum oil volume being 10,000 gallons.	<b>Correction to line #34 above:</b> The maximum oil volume is increased to 14,000 gallons from the originally stated 10,000	The maximum volume of transformer oil has been increased to 14,000 Gallons

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				gallons and the 13,000 gallons stated on line #34 above.	
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