

THE PORT AUTHORITY OF NY & NJ

**PROCUREMENT DEPARTMENT
4 WORLD TRADE CENTER
150 GREENWICH STREET, 21ST FLOOR
NEW YORK, NY 10007**

10/30/2015

ADDENDUM # 2

To prospective Bidder(s) on Bid # 44063 for Remote Racking Systems to Remove and Insert Circuits Breakers for Switchgear per PATH Specifications. Furnish and Deliver.

Now due back on 11/10/15, no later than 11:00AM

Originally due back on 11/3/2015, no later than 11:00AM

CHANGES/MODIFICATIONS:

- A. The bid due date is hereby extended to 11/10/2015, no later than 11:00AM.
- B. Bidders attention is called to the specification dated July 2015 that is attached to the subject item. Page 2, Line number 15: Delete this line in its entirety, without replacement.

BIDDER'S QUESTIONS AND ANSWERS:

The following information is available in response to questions submitted by prospective Bidders. The responses should not be deemed to answer all questions, which have been submitted by Bidders to the Port Authority. It addresses only those questions, which the Port Authority has deemed to require additional information and/or clarification. The fact that information has not been supplied with respect to any questions asked by a Bidders does not mean or imply, nor should it be deemed to mean or imply, any meaning, construction, or implication with respect to the terms.

The Port Authority makes no representations, warranties or guarantees that the information contained herein is accurate, complete or timely or that such information accurately represents the conditions that would be encountered during the performance of the Contract. The furnishing of such information by the Port Authority shall not create or be deemed to create any obligation or liability upon it for any reason whatsoever and each Bidder, by submitting its Bid, expressly agrees that it has not relied upon the foregoing information, and that it shall not hold the Port Authority liable or responsible therefore in any manner whatsoever. Accordingly, nothing contained herein and no representation, statement or promise, of the Port Authority, its Commissioners, officers, agents, representatives, or employees, oral or in writing, shall impair or limit the effect of

the warranties of the Bidder required by this Bid or Contract and the Bidder agrees that it shall not hold the Port Authority liable or responsible therefore in any manner whatsoever.

The Questions and Answers numbering sequence will be continued sequentially in any forthcoming Addenda that may be issued.

<p>Question #3</p>	<p><u>#3. “System shall be capable of racking in and out of 38KV, SF6 circuit breaker CPC cubicle, (Square D, Type FC/FG4 Circuit Breaker).”</u> Because the X is engineered for each specific breaker type and size, additional information is being requested on the nameplate data of this specific circuit breaker and the cubicle that the breaker is being racked into. Is the cubicle an OEM design or was the cubicle installed/fabricated by a third party using the Square D FLUARC design? How many cubicles/switchgear lineups is the system being requested for? Would it be possible for a representative to travel to your facility and gather the name plate data and switchgear information to ensure accuracy?</p>
<p>Answer #3</p>	<p>System requirements and cubicle information provided in the specification document already. Number of devices requested is indicated. No travel to facility is allowed refer to the specification and addendum.</p>
<p>Question #4</p>	<p><u>4. and 11. Please define “modification to Circuit Breaker or Switchgear”.</u> Perfect alignment of the racking system to the breaker racking shaft is critical in reducing concentricity issues, decoupling during racking and eliminating the source of mechanical wear on the racking components of the breaker and switchgear. Magnetic or hand truck type devices do not guarantee concentricity to the racking shaft and have been known to uncouple during racking. To that end X designed and patented a unique but simple mounting system that guarantees quick mounting, a solid mechanical connection and full concentricity to the breaker racking shaft, and eliminates the use of heavy magnets that can add strain to the breaker racking systems. For the ABB MB style breakers, depending on the switchgear style and the number of breakers, either a no-mod design or a simple cover bolt replacement would be required to use the system. X does not feel that replacing cover bolts constitutes a modification to the switchgear or to the breaker, but it does guarantee 100% concentricity to the breaker racking screw. Because of the design of the product, the number of cubicles that need to be racked and the type of switchgear that the system is being used on needs to be identified. Would it be possible to get this</p>

	information via a site walkdown or pictures of the equipment?
Answer #4	Travel to facility isn't included for the effort, as it's not required. No Modifications is defined as no permanent alterations or changes done to the equipment that will be remain after the remote racking operation is complete. NO walkthrough and no pictures are available.
Question #5	<u>5. System shall be equipped with at least 25 feet cord connected to a pushbutton for remote operation.</u> What is the required minimum arc flash protection boundary distance for these applications? Our system standard is a 50 foot cord that can be extended by coupling sections together. We assume a 5’ drop from the connected equipment to the floor and a 5’ rise from the floor to the operator holding the controller, giving us at least 40’ of distance from the equipment being racked.
Answer #5	Specification indicates the minimum required. See the existing specification.
Question #6	<u>6. System shall have limit switches to prevent over-travel during racking.</u> The X designs, may or may not incorporate traditional limit switches into the racking design and this is largely based on the breaker type and design. The ABB MB-32 breakers use a rotary racking screw design and for the SRU racking system it does not need limit switches for this design. The X racking system will monitor the racking screw turn count and the forces on the racking screw to verify that the breaker is in the correct position, as identified by the operator, prior to racking the breaker to any location. This force and turn count monitoring performs better than a traditional limit switch and still will prevent over racking the breaker, even if the operator tells the system that the breaker is in a different position then actual. Does this requirement intend on using limit switches for rotary screw types of breaker racking?
Answer #6	Specification indicates ability to rack more than one style of breaker. X system indicates a pre-programmed setting with no future adjustments for other style breakers. Details should be provided with bid response. The specification document indicates the ability to change between different models of breakers the ABB unit specified is just one example.
Question #7	<u>13. The system shall provide alignment features and floor locking devices to prevent movement during the racking process.</u> What is the intent of a “floor locking device”? The remote solutions device is not a 300 LB hand truck land based style racking unit and does not require any type of floor locking. No single component weighs more than 12 Lbs. We believe in

	<p>minimizing the weight of the motor drive unit and application specific drive bracket so that it remains light weight and does not pose a moving or lifting hazard to employees.</p>
Answer #7	<p>Remote Rack System shall not move during racking procedures for either draw-out or rotary style and shall remain fixed during the operation.</p>
Question #8	<p><u>16. The system shall include a Velcro cover to provide dust and contamination protection within facility.</u> Why is Velcro specified? The X remote racking system is supplied and stored in foam lined pelican cases. Pelican cases are superior to Velcro coverings for contamination protection, as they are sealed and gasketed in a hard shell case.</p>
Answer #8	<p>The devices shall have at a minimum a Velcro cover to secure protection against dust and contamination protection while in storage or transportation.</p>
Question #9	<p><u>17. Why is the use of a camera desired?</u> The X-X racking system displays all racking data to the operator on it's hand held screen. If there is a problem with the breaker, the X system is the only system on the market that is designed to automatically retrieve and recover a breaker automatically without human interaction. This feature minimizes damage to equipment and provides the maximum safety to personnel. We have found that the use of a camera is not reliable enough to detect problems with the breaker or for an operator take an appropriate and immediate recovery response. The use of a camera is a false sense of security, because, mechanical position indication of the breaker (as seen from a camera) can fail or be inaccurate and that can then cause the operator to provide an incorrect response as to when to stop the system, or how to recover the system should a problem with the breaker be encountered during racking. With the X -X remote racking system, it takes the operator and the mistakes that an operator can make, out of the equation of racking a breaker, thus minimizing equipment damage and maximizing personnel safety</p>
Answer #9	<p>Camera required as specified in the specifications. No alterations required.</p>
Question #10	<p><u>18. The system shall include an option of a radio remote controller to allow for operation of up to 150 feet distance.</u> Can the PA disclose if there are any devices in the area that would be or would not be affected by EMI/RFI of any type of a remote control device? The X-X racking system is controlled and connected via a shielded cable that can be extended to 150'. This is done to</p>

	minimize the affects from any other type of EMI/RFI signal in the area and it will not impart EMI/RFI onto other adjacent equipment during the racking process. We have also found that personnel entering or leaving an area are more apt to notice a cable connected to a racking device and use more caution when entering an area when the cable is viewed. A hard wired e-stop is required for most racking devices and the use of a radio remote defeats the hard wired e-stop requirement. For these reasons the X system will not offer a radio remote control.
Answer #10	No response or modification required, specification remains unchanged.
Question #11	<u>Use of a 24VDC light and Pneumatic tires are not applicable to the X system.</u> In terms of clarifying what would be supplied, would it be possible to come to the site so that a sample of the X-X system can be viewed and explained?
Answer #11	No. The specification remains unchanged.

THE PORT AUTHORITY OF NY & NJ
SELENE ORTEGA
MANAGER
COMMODITIES AND SERVICES DIVISION

BIDDER'S FIRM NAME: _____
INITIALED: _____
DATE: _____

QUESTIONS CONCERNING THIS ADDENDUM MAY BE ADDRESSED TO
LARRY WAXMAN, WHO CAN BE REACHED AT (212) 435-4639 or at
Lwaxman@panynj.gov.