



# City of Port St. Lucie Utility Systems Department Warehouse Special Request Form

To: Utility Warehouse

Luiza Yordanova

Digitally signed by Luiza Yordanova  
DN: E=lyordanova@cityofpsl.com,  
CN=Luiza Yordanova, OU=Water Facilities,  
OU=UTIL, OU=PSL Users, DC=cityofpsl,  
DC=com  
Reason: I am approving this document  
Date: 2024.04.12 14:10:09-04'00'

From: Luiza Yordanova  
(print name)

(sign name)

, Department Head or Supervisor

Date: 4/12/2024

Cost Center Charged: 438-3310-563000

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Please be advised that Bryan Hirsch 4-12-2024, of WTP - 3310 Division is authorized to order the materials listed below. If materials requested are non-stock items, please attach the vendor information (include address, phone number and contact person), all quotations and specify reason for need.

Reason: Replace obsolete switchgear and breakers for RO Plant. If this system fails the plant cannot run

Vendor Information (Name, Address, Phone & Email): ABB  
305 Gregson Drive Cary, NC 27511  
alfredo.huete@us.abb.com

DOES VENDOR TAKE VISA Yes  No

Contract #

Quantity	Unit Price	Description	Total Price	Account Code	Account Balance
		See Attached Breakdown	\$215,679	438-3310-563000	\$392,063

NOTE: If cost of item(s) is \$5,000 or over, then please attach 3 quotes. If not possible to obtain 3 quotes, then explain why:

\_\_\_\_\_

If a capital item, (\$5,000 or over per item) was the item(s) above approved in your capital budget for this fiscal year? Yes  No  If not, then please explain:

Take funds from capital budget \_\_\_\_\_

## Bryan Hirsch

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**From:** Raama Badalo  
**Sent:** Friday, April 12, 2024 11:40 AM  
**To:** Luiza Yordanova; Bryan Hirsch  
**Cc:** John Eason; Scott Meagher; Delbert Finley  
**Subject:** Justification note for the RO MCC

Hi Luiza,

Here are a few pointers justifying upgrading the RO plant MCC breaker:

- They reached their end of life
- Replacement is next to impossible to purchase
- No longer manufactured
- Repairs are based on parts availability
- The spare is not guaranteed to work
- Lead time to get the new upgrade breaker is 26-28 weeks, if they are unable to make any repair should we have to send one in.
- In another 2 years or so, the NEC 2023 electrical code, article 708.2 "RECONDITIONED EQUIPMENT . Reconditioned transfer switches shall not be permitted"

Please feel free to give me a call if you have any questions or concerns.

Thanks,



[www.CityofPSL.com](http://www.CityofPSL.com)

### Raama Badalo

*Electrical System/SCADA Supervisor*

**Utilities: Instrumentations and Controls**

o. 772-873-6400

c. 772-529-2076

a. 1001 SE Prineville St. Bldg H, Port St. Lucie, FL 34983

e. [rbadalo@cityofpsl.com](mailto:rbadalo@cityofpsl.com)



"A City for All Ages"

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Parts & Service: 1-888-434-7378

<b>PROPOSAL NO.</b>	H750991-0424-JWV-ROAH
<b>DATE</b>	04/09/2024

**BUYERS INFORMATION:**

Quote Requested by	Raama Badalo
Company	Port St. Lucie Water Treatment Plant
Address	1001 SE Prineville St. Port St. Lucie, FL 34983
Phone	772-873-6400
Email	rbadalo@cityofpsi.com
Service Contact	Same
Email	Same
Phone	Same
<b>RE</b>	WavePro Retro-Fit With Emax2
<b>SAP NO.</b>	9027040

NOTICE: This quotation is void unless accepted within 30 days from date hereof and is subject to change upon notice. However, if ABB elects to perform the services covered by the quotation, in response to an order placed 30 or more days after the date of the quotation, the terms of the quotation will apply.

**SUBMIT PURCHASE ORDER TO:**

**ABB INC.**

ABB Contact	Alfredo Huete
Address	305 Gregson Drive Cary, NC 27511
Phone	305-282-0970

**PLEASE REFERENCE PROPOSAL NO. ON ALL PURCHASE ORDERS**

**REMIT PAYMENT TO**

**ABB INC.**

29713 Network Place  
Chicago, IL 60673-1297  
Tax ID: 36-3100018

**Work Services Description**

ABB is pleased to offer this firm fixed price proposal for the services outlined below at the Port St. Lucie Water Treatment Plant facility located in Port St. Lucie, FL.

**Site Address:**

1001 SE Prineviller St.  
Port St. Lucie, FL 34983

**Scope of Supply:**

1. Services:

- a. Upon receipt of an acceptable purchase order, ABB will schedule the appropriate resource to perform the services once the customer provides a firm date of service.
- b. Upon completion ABB will provide a field service report detailing the services performed, test results, and recommendations for future service.

2. Site Equipment:

- a. Qty. (1) – Low Voltage Switchgear Line-up reference no. 0373A1969
  - i. Qty. (1) WavePro WE2GAPMFBXBBXDX 1600A Circuit Breaker
  - ii. Qty. (3) WavePro WE2GAQMFBXBBXXX 1600A Circuit Breaker
  - iii. Qty. (3) WavePro WE1LAQSFBBXDX 3200A Circuit Breaker

3. Major Equipment Included:

- a. Qty. (1) Emax2RetroCB\_1600A\_AKD10\_65kA@480V E2.2S-A 1600 EKIP TOUCH LSI 3P FHR... AKD10 GE RETROFILL BREAKER ASM BTM VER WPX-08/WPS 16/WPH 16 with A SD 72P Block A & C AKD-10 NCT Adapter Similar to: WE2GAPMFBXBBXDX
- b. Qty. (3) Emax2RetroCB\_1600A\_AKD10\_65kA@480V E2.2S-A 1600 EKIP TOUCH LSIG 3P FHR... AKD10 GE RETROFILL BREAKER ASM BTM VER WPX-08/WPS 16/WPH 16 with SD 72P Block A & C AKD-10 NCT Adapter Similar to: WE2GAQMFBXBBXXX

- c. Qty. (3) Emax2RetroCB\_3200A\_AKD10\_65kA@480V E4.2H-A 3200 EKIP TOUCH LSIG 3P FVR... AKD10 GE RETROFILL BREAKER WPS32/H32/X3 SD 72P Block A & C AKD-10 NCT Adapter Similar to: WE1LAQSFBXBBXDX

4. Work Scope:

- a. After deliver of material but prior to outage work ABB to visit site for planning purposes, and to inspect and inventory parts.
- b. Retro-fit existing GE WavePro circuit breakers with new ABB Emax2 Circuit breakers.
- c. Test and commission circuit breakers.
  - i. The circuit breaker will be operated manually and inspected for proper trip and close operation.
  - ii. The primary disconnecting device contacts (finger clusters) will be lubricated as needed.
  - iii. The secondary disconnects and auxiliary contacts will be inspected for proper operation.
  - iv. The primary contact resistance of each phase will be measured with a digital low resistance ohm meter (DLRO/doctor) and recorded.
  - v. Test insulation resistance phase-to-phase and phase-to-ground.
  - vi. Rack Breakers on bus and verify that the primary and secondary fingers are in good alignment.
  - vii. Set trip units to settings provided by customer.
  - viii. The circuit breakers equipped with solid state or microprocessor programmers will be tested with a programmer test set if required.

5. Comments / Exceptions:

- a. ABB assumes that prevailing wage is not applicable for the worksite unless otherwise stated.
- b. Additional scope or time required to complete the above work scope will be addressed in the form of a written change order and charged at ABB's currently published rates.
- c. Customer shall advise ABB in writing of all applicable site-specific health, safety (training), security and environmental requirements and procedures.
- d. All Protective settings shall be provided by others and are not included within this proposal.
- e. All equipment must be de-energized and properly isolated prior to the start of work.
- f. Price is contingent upon continuous, unobstructed access to de-energized equipment.
- g. Customer shall provide one copy of existing system schematics, drawings, and other equipment/site, and be responsible for the accuracy of same and verbal information concerning existing conditions and wiring.
- h. Customer shall provide temporary power and lighting as required for testing.

6. Schedule:

- a. ABB estimates the outage work scope above to take place over two (2) consecutive days, working ten-hour shifts utilizing two (2) field resource, during normal business hours.
- b. Quoted work assumes all work to take place during regular business hours excluding weekends and ABB recognized holidays.
- c. Please note that advanced notice of four (4) weeks is required for assigning local field engineering resources. Less than four (4) weeks' notice may require the use of non-local resources resulting in additional travel and living costs.
- d. **Lead time of breakers: 26-28 weeks ARO**

### **Price, Terms and Conditions**

ABB will accomplish the above-described work scope for the firm fixed price of **\$215,679.00 USD** which includes the cost of travel, travel time and accommodations utilizing local resources.

- Invoice to be issued as follows:
  - 30% Upon Purchase Order Acknowledgement.
  - 40% Upon shipment of material to the worksite.
  - 30% Upon substantial completion of the onsite work scope.
- Payment Terms: Net 30 days from the date of invoice.
- Pricing does not include any applicable taxes, permits and licensing fees.

The sale of any service and products, and the integration thereof, ordered by the Buyer is expressly conditioned upon the terms and conditions contained in this quotation and “ABB Inc. General Terms and Conditions of Sale (2022-01 U.S.)” as attached hereto. Any additional or different terms and conditions proposed by the Buyer at any time are expressly objected to and will not be binding upon ABB unless specifically agreed to in writing by ABB’s authorized representative. Any order for, or any statement of intent to purchase hereunder, or any direction to perform work and ABB’s performance of work shall constitute assent to the terms and conditions. Oral agreements and/or commitments to perform services are not enforceable.

### **Supersedes Article 28 of the ABB Inc General Terms and Conditions of Sale (2022-01 U.S.)**

Buyer represents and warrants that there are no federal, state, or local (collectively “Governmental”) contracting provisions, regulations, flow-downs, or requirements that apply to this transaction, including without limitation any Governmental domestic preference or prevailing wage, other than such terms that have been disclosed and agreed to by Seller in writing. Buyer assumes sole responsibility for any costs associated with non-compliance of terms not agreed by Seller in writing. Unless expressly provided in writing, Seller makes no representation that the quoted product(s) or service(s) comply with any Governmental contracting provisions and regulations.

### **Additional Services**

Should the Buyer desire to have ABB perform additional services beyond the scope of services described in this proposal, a change order request will be submitted for the additional associated costs. No additional services shall proceed without written authorization from the Buyer. Additional services will be performed per our published rates for Service, applicable at the time that work is performed, including work that extends through the weekend / holiday. The current rates for Service can be found in Attachment “Electrification USA Service Rates, January 1, 2024”.

### **Consideration on 2019-nCoV (Coronavirus Outbreak)**

If after submission of ABB’s bid or during the term of the agreement there are any measures taken by authorities, by ABB or others in connection with the current coronavirus (2019-nCoV) outbreak which affect the performance of the agreement, the parties agree that ABB will be entitled to cost compensation, time extension, or other reasonably required contract adjustments if any consequences in any way related to the coronavirus outbreak lead to delays in delivery of goods or provision of services or otherwise affect ABB’s contractual obligations or duties.

### **Consideration for Material Supply**

The Parties are aware of the shortage of raw materials, electronic components worldwide which is likely to last for the foreseeable future, as well as of market fluctuations in the availability and cost of other raw materials, commodities, other critical components, and transportation capacities. Notwithstanding

anything to the contrary in the contract/terms and conditions/purchase order, if after the date of ABB's proposal / offer or during the term of the performance of the contract/purchase order there are any changes to availability and / or market conditions for electronic components, raw materials, commodities and transportation capabilities directly or indirectly affecting ABB's performance, ABB shall be entitled to relief in the schedule of the performance or delivery of the directly or indirectly affected scope of work under the contract/purchase order. In such circumstances, the Parties shall meet without delay and discuss in good faith to find a mutually agreeable solution, with equitable adjustment to the contract/purchase order date of delivery or completion. Customer hereby acknowledges and agrees that in said circumstances ABB may not be able to comply with the originally agreed delivery or completion schedule and that ABB shall not be liable for any liquidated or actual damages in connection thereto.

### **Consideration for Transportation**

The offer is based on Incoterms as stated. Due to current fluctuations in transportation cost, the transportation cost may be given as a separate line item and is to be considered a non-binding estimate based on current market prices. At the time of delivery, ABB will use reasonable efforts to get optimum transport arrangements and the actual cost will be invoiced by ABB to the Purchaser. In no case will ABB be liable for any increase in transportation cost at the time of delivery.

### **Buyer's Responsibilities**

The Buyer's responsibilities shall include, but are not limited to, the following:

- Issue switching orders, schedule outages, and de-energize the electrical apparatus, including Lock-Out Tag-Out (LOTO) of all systems associated with ABB's work scope involved in the project. LOTO procedures shall meet or exceed Contractor or ABB's requirements, whichever are more stringent.
- Prior to the start of the on-site work, Buyer shall familiarize ABB personnel with their safety practices, regulations in effect at jobsite, and any chemical and physical hazards, including process safety issues associated with the work environment. ABB shall be under no obligation to commence work unless safety practices are acceptable to ABB. As a safety precaution, prior to the commencement of work, access to a nearby telephone with the ability to call outside the facility will be provided by Buyer, as well as telephone numbers for local emergency services.
- Buyer will dispose of all wastes generated at the work site. Buyer will be responsible for environmental conditions and will keep the equipment free of contaminants that would be detrimental to the performance of the equipment.
- Buyer shall be responsible for the removal and replacement of any obstructions that may interfere with access to or removal of the existing equipment.
- Buyer will provide an experienced electrician or electrical supervisor familiar with the power distribution system and trained in electrical safety and emergency response procedures including CPR, AED, and first aid for purposes of:
  - Directing ABB personnel in identifying and isolating the proper electrical equipment.
  - Shutting down electrical equipment in an emergency and providing emergency response during high-risk operations including electrical work when a single ABB representative is dispatched. This person must be visually present during all electrical work and high-risk operations. If not present, then ABB will stop work and notify the Buyer.
  - Complying with OSHA 1910.269(l)(1) and 1910.269(b)
- Buyer will provide all "special" maintenance tools including closing handles, test couplers, closing jacks, lifting devices, breaker cars/lift trucks, etc., furnished or defined by the original equipment manufacturer(s).
- Buyer shall provide one (1) copy of existing system schematics, drawings and other information regarding the equipment/site that is needed and be responsible for the accuracy of same and verbal information concerning existing conditions and wiring.
- All communication between, including meetings, all documents, notes on drawings, and submissions required under contract, shall be in the English language. Any language translation, if required, will be the responsibility of the Buyer.

- Buyer must supply minimum power supply of 120V, 1-Phase, power source, if necessary.
- Buyer will provide/operate/maintain services for drinking water, sanitary facilities, parking, trash containers, and lighting.
- Buyer is responsible for providing all craft labor to support ABB's field representative(s) in the performance of this scope of work.
- Buyer to supply, operate, and maintain all standard services to the site facility, such as electric power, lighting, water, air, etc., if required. Backup for these systems is not included in this proposal. These services are to be made available to ABB, including a suitable source of 60Hz 120/240 volts AC, unless otherwise provided herein.
- Buyer to provide, and be responsible for, applicable codes, standard, laws, regulatory requirements, etc. required for the development of functional specification and system design and operation.
- Buyer shall be responsible for the review of the installation to assure compliance with applicable codes. It is the intention of ABB to comply with the applicable codes, standards, laws, regulatory requirements, etc.; however, by law it is the responsibility of the Buyer for compliance of the total installation. ABB would be pleased to quote any additional features or equipment that the Buyer deems necessary to meet these requirements.

#### **Assumptions and Clarifications**

- **Relay and trip unit settings will be the responsibility of others, unless specifically identified as being included in the workscope, above. Settings are to be provided in an electronic format as applicable to the design/style of relay and or trip unit.**
- **Data Mapping, addressing and/or integration of equipment into the Customer's new or existing power/building management system will be the responsibility of others, unless specifically identified as being included in the workscope, above.**
- **Commissioning of new equipment is defined as inspecting and testing new equipment as per a defined procedure (typically a manufacturer's specification). Start-up support is not included as commissioning; however, stand-by and/or start-up support can be provided on a time and material basis using standard published rates (see below)**
- **For equipment and/or material being shipped to the Customer's site: receiving, inspection, offloading and storage will be the responsibility of others, unless specifically identified in this proposal as being included by ABB.**
- **Coordination of outages with Utilities and any/all necessary permitting will be the responsibility of others.**
- **If Onsite Customer Training is included within this proposal, no audio / video recording of the training will be allowed.**
- **Only the equipment and services listed above are included in this workscope.**
- ABB assumes and is relying on the fact that any information furnished by Buyer is accurate and complete. To the extent that ABB obtains actual knowledge of any conditions with the equipment and/or the conditions at site are in addition to and/or different from those indicated in the Buyer's furnished documentation / information and/or there is a previously unknown physical condition that is found with the equipment and/or at the site, ABB shall notify the Buyer. If such condition(s) exist and this causes an increase in ABB's cost of and/or the time required for the performance of any part of the work under a contract, an equitable adjustment may be made, including without limitation, to the price and/or schedule.
- With the exception of delays beyond the control of ABB, no additional work scope shall proceed without the written authorization of the Buyer.
- Should any unforeseen work delays beyond the control of ABB occur, including those as a result of malfunctions or deficiencies encountered with the equipment (unless caused by ABB) or should the Buyer desire to have ABB perform work beyond the scope of work described in this proposal, that work will be billed at the published rates in effect at the time of performance of

that the work scope and will apply to all ABB project management, field engineers, field engineering service technicians and/or craftsmen.

- ABB expressly objects to any requirements, methods or conditions contained in any Buyer request that are not specifically addressed in this document, and such requirements, methods, and conditions, if any, are outside the scope of this proposal.
- Schedule: Unless otherwise stated in the scope, all work will be performed on a straight time basis. All work is to be performed on a mutually agreeable schedule. The foregoing work as described under work scope shall be performed during normal working hours Monday through Friday, Holidays excepted. If work is performed on an overtime basis, the premium for the time spent and other applicable cost will be billed in addition to the price quoted and will be billed at our published rates in effect at the time work is performed. Time and expense of ABB employees' travel from their headquarters to work site and return, shall be considered as time worked. ABB typically requires a minimum four (4) weeks advance notice to ensure availability of resources.
- The services shall be considered "Substantially Complete" when the services to be performed by ABB or the designated portion thereof, are sufficiently complete in accordance with the contract documents, so that the Buyer can occupy or use the services or portion thereof for its/their intended use. For products only order, "substantially complete" shall mean the date of shipment of the products. A "Punchlist" is to be developed upon "Substantial Completion," and ABB's standard warranty shall provide coverage (when applicable) for issues that occur after "Substantial Completion. "Final Project Completion" shall be reached when all contractual responsibilities have been met and the final bill issued.

**ABB INC.**

By:	Alfredo Huete
Title:	Business Development Manager
Email:	Alfredo.huete@us.abb.com
Phone:	305-282-0970

**BUYER:**

Company:			
By:	(Signature)		
Title:			
Email:		Date:	

This proposal and specification are submitted in confidence solely for use in consideration of the merits of the offering and for no other direct or indirect use by Buyer and its contents are proprietary to ABB. In taking receipt of this document, Buyer agrees not to reveal its contents except to those in its own organization who must evaluate it, to use this document and the information that it contains exclusively for the above-stated purpose and to avoid disclosure of the information to competitor of ABB.





# Electrification U.S.A. Service Rates

Jan 1, 2024

ABB's field service engineers and consulting experts are on call to provide a wide range of service and repairs on both ABB and non-ABB equipment and engineered systems in Industrial and Balance-Of-Plant Power Plant Systems.

## 8-Hour Daily Rates

Classification	Weekday	Saturday	Sunday Holiday
Field & Service Center			
Class I - Specialized Field Engineer/Specialized Field Technician	\$3,124	\$4,648	\$5,972
Class II - Field Engineer/Service Center Specialist	\$2,564	\$3,708	\$4,852
Class III - Service Technician	\$2,004	\$2,868	\$3,732
Phone Support			\$1,725/case
Emergency Standby Retainer			\$6,500/month

## Tooling Rates

IR Camera	\$120/day, \$480/week
Vibration Test Set	\$175/day, \$700/week
Online Motor Test Set	\$350/day, \$1,400/week
Offline Motor Test Set	\$350/day, \$1,400/week
Primary Current Injection Set	\$500/day, \$2,000/week
Relay Test Set	\$600/day, \$2,400/week
Power Factor Test Set	\$600/day, \$2,400/week

## Class I - Specialized Field Engineer

These services include installation, commissioning, repair, service, maintenance, and upgrade work associated with:

- Medium voltage motors, & generators
- Paralleling Switchgear
- Synchronous motors & generators, including excitation
- Legacy control systems including: Series 5 & Series 6
- Specialty power system studies, including: Harmonic, Transient Switching & Grounding
- Shipboard and offshore work, with a minimum 14-hour / day billing. Platform work requires a pay differential.
- Gas Insulated Substation (GIS)

## Class II - Field Engineer & Service Center Specialist

Service is technical advice and counsel from field personnel based on sound engineering, manufacturing, installation, and operation practices as applicable to the equipment. Such services may include analysis, adjustment, programming, and other similar services. They do not include supervision or management of purchaser's employees, agents or other contractors and design effort.

## Class III - Service Technician

Craftsmen experienced in the inspection, test, installation, service, and repair of one or more of the following equipment types:

- Transformer (Mechanical, Electrical, Fluid)
- Motors, Electrical & Controls Equipment
- Switchgear
- Mechanical
- Hydro (Electrical, Mechanical & Controls)

## Typical Installations, Services, Repairs, and Products

- Transformer (Including Mechanical, Electrical, Fluid)
- Power Delivery Equipment
- Motors, Electrical and Controls Equipment
- Distributed Control Systems and Programmable Logic Controls
- Instrumentation Related to Process Control and Automation Systems
- Marine Electrical Systems
- Power System Studies

## Rate Terms

	Overtime	Double Time
1. Work greater than 8 hours per day is billed per hour:		
Class I - Specialized Field Engineer	\$534.00	\$712.00
Class II - Field Engineer/Service Center Specialist	\$429.00	\$572.00
Class III - Service Technician	\$324.00	\$432.00

For less than 24-hour response, a 1.40 multiplier is used for all rates.

Overtime applies to billable weekday hours 9-12 or outside of 7:00am to 6:00pm. Double Time applies to billable weekday hours greater than 12, Saturday hours greater than 8, Sundays and holidays.

- Preparation, travel, and report writing time will be charged at the applicable rate (i.e., daily rates, overtime and double time) on a round trip basis with point of departure based on the location of the ABB Representative's office/service center.
- Additional travel and living expenses include:
 

Overnight stay	\$235 per day
Air Travel / Rental Car charges	Cost + 20%

Notes: Additional T&L charges may apply for high cost of living areas.
- Travel and living expenses outside the continental U.S.A., will be billed at a cost plus 20% minimum, or consult with your local ABB representative for a local per diem rate.
- Materials, subcontract labor and equipment if required will be provided at cost + 35%.
- All equipment is F.O.B. shipping point, seller's dock, with freight prepaid and charged 3% of material price (a minimum per shipment charge of \$100.00 shall apply). Seller reserves the right to select the method of transportation provided for all products unless specified by the client not less than 72 hours prior to shipment. Any premium transportation or required special handling is in addition and shall be for the account of the Buyer.
- Consult with local ABB office to determine applicable charges for other special tooling and/or test equipment or any taxes, fees or VAT that may be in addition to the above rates. Minimum daily billing of 8 hours for all services provided including standby time. A minimum order of \$500.00 shall apply for a parts/material only order.
- All rates are for hours worked, traveled, or on standby and are based on ABB's standard terms and conditions of sale. Price and data subject to change without notice. This quotation is not valid for PCB services, off shore or confined locations.
- Phone Support is a service provided on the phone by a Field Engineer for limited hardware and software troubleshooting services.
- Employee screening costs as required by the customer will be provided as follows:
 

Custom drug screen or background check	\$150
TWIC Card	\$300
BOSIET + HUET	\$2,500

All travel time to complete the screenings will be billed at the applicable hourly rate as set forth in 1 above plus expenses. All other specialty training will be billed at cost + 20%.

- All time to complete site specific training will be billed at the applicable hourly rate as set forth in 1 above plus expenses.
- A Critical Power Emergency Standby Retainer provides access to a qualified ABB Field Engineer at the customer site on the same day the need is identified by the customer. All time to support the emergency service, including travel to and from the customer site, will be billed at the applicable hourly rate as set forth in 1 above, however the 1.40 multiplier applied to work with less than 24hrs notice is waived.
- The Standard and Applicable rates shown on this sheet assume that services are being performed at a location that is not subject to a Location Premium which is an additional charge/rate that may be assessed for remote, inconvenient, confined or offshore work sites. Please contact ABB to see if a Location Premium applied to your location.

For more information contact your local ABB office or call our 24x7 customer service center at  
**1-888-434-7378 or 540-387-8617** for legacy GE products  
**1-800-HELP-365 (1-800-435-7365)** for legacy ABB products

**ABB INC.**  
**GENERAL TERMS AND CONDITIONS OF SALE**  
**(2022-01 U.S.)**

**1. General.**

The terms and conditions contained herein, together with any additional or different terms contained in ABB's proposal, quotation and/or invoice ("Proposal"), if any, submitted to Purchaser (which Proposal, Policies, Addendum(s), if any, submitted to Purchaser shall control over any conflicting terms), constitute the entire agreement (the "Agreement") between the parties with respect to the purchase order and supersede all prior communications and agreements regarding the purchase order. Acceptance by ABB of the purchase order, or Purchaser's acceptance of ABB's Proposal, is expressly limited to and conditioned upon Purchaser's acceptance of these terms and conditions, payment for or acceptance of any performance by ABB being acceptance. These terms and conditions may not be changed or superseded by any different or additional terms and conditions proposed by Purchaser to which terms ABB hereby objects. Unless the context otherwise requires, the term "Equipment" as used herein means all of the equipment, parts, accessories sold, and all software and software documentation, if any, licensed to Purchaser by ABB ("Software") under the purchase order. Unless the context otherwise requires, the term "Services" as used herein means all labor, supervisory, technical and engineering, installation, repair, consulting or other services provided by ABB under the purchase order. As used herein, the term "Purchaser" shall also include the initial end user of the Equipment and/or services; provided, however, that Article 14(a) shall apply exclusively to the initial end user.

**2. Prices.**

(a) Unless otherwise specified in writing, all Proposals expire thirty (30) days from the date thereof and may be modified or withdrawn by ABB before receipt of Purchaser's conforming acceptance. All quoted prices are subject to revision at any time in the event of any increase in raw material, energy costs or governmental actions such as tariffs.

(b) Unless otherwise stated herein, Services prices are based on normal business hours (8 a.m. to 5 p.m. Monday through Friday). Overtime and Saturday hours will be billed at one and one-half (1 1/2) times the hourly rate; and Sunday hours will be billed at two (2) times the hourly rate; holiday hours will be billed at three (3) times the hourly rate. If a Services rate sheet is attached hereto, the applicable Services rates shall be those set forth in the rate sheet. Rates are subject to change without notice.

(c) The price does not include any federal, state or local property, license, privilege, sales, use, excise, gross receipts, or other like taxes which may now or hereafter be applicable. Purchaser agrees to pay or reimburse any such taxes which ABB or its suppliers are required to pay or collect. If Purchaser is exempt from the payment of any tax or holds a direct payment permit, Purchaser shall, upon purchase order placement, provide ABB a copy, acceptable to the relevant governmental authorities of any such certificate or permit.

(d) The price includes customs duties and other importation or exportation fees, if any, at the rates in effect on the date of ABB's Proposal. Any change after that date in such duties, fees, or rates, shall increase the price by ABB's additional cost.

**3. Payment.**

(a) Unless specified to the contrary in writing by ABB, payment terms are net cash, payable without offset, in United States Dollars, 30 days from date of invoice by wire transfer to the account designated by ABB in the Proposal. ABB is not required to commence or continue its performance unless and until invoiced payments have been received in a timely fashion. For each day of delay in receiving required payments, ABB shall be entitled to a matching extension of the schedule.

(b) If in the judgment of ABB, the financial condition of Purchaser at any time prior to delivery does not justify the terms of payment specified, ABB may require payment in advance, payment security satisfactory to ABB and suspend its performance until said advance payment or payment security is received or may terminate the purchase order, whereupon ABB shall be entitled to receive reasonable cancellation charges. If delivery is delayed by Purchaser, payment shall be due on the date ABB is prepared to make delivery. Delays in delivery or nonconformities in any installments delivered shall not relieve Purchaser of its obligation to accept and pay for remaining installments.

(c) Purchaser shall pay, in addition to the overdue payment, a late charge equal to the lesser of 1 1/2% per month or any part thereof or the highest applicable rate allowed by law on all such overdue amounts plus ABB's attorneys' fees and court costs incurred in connection with collection. If Purchaser fails to make payment of any amounts due under any purchase order and fails to cure such default within ten (10) days after receiving written notice specifying such default, then ABB may by written notice, at its option, suspend its performance under the purchase order until such time as the full balance is paid or terminate the purchase order, as of a date specified in such notice. In the event of suspension, cancellation or termination hereunder, ABB will be entitled to recover all costs for work performed to date, costs associated with suspension, cancellation or termination of the work and all other costs recoverable at law.

**4. Changes.**

(a) Any changes requested by Purchaser affecting the ordered scope of work must first be reviewed by ABB and any resulting adjustments to affected provisions, including price, schedule, and guarantees mutually agreed in writing prior to implementation of the change.

(b) ABB may, at its expense, make such changes in the Equipment or Services as it deems necessary, in its sole discretion, to conform the Equipment or Services to the applicable specifications. If Purchaser objects to any such changes, ABB shall be relieved of its obligation to conform to the applicable specifications to the extent that conformance may be affected by such objection.

**5. Delivery.**

(a) All Equipment manufactured, assembled or warehoused in the continental United States is delivered FCA ABB point of shipment, Incoterms® 2020 unless otherwise mutually agreed in writing. Equipment shipped outside the continental United States is delivered FCA Incoterms® 2020 United States port of export unless otherwise mutually agreed in writing. Purchaser shall be responsible for any and all demurrage or detention charges.

(b) If the scheduled delivery of Equipment is delayed by Purchaser or by Force Majeure, ABB may move the Equipment to storage for the account of and at the risk of Purchaser whereupon it shall be deemed to be delivered.

(c) Shipping and delivery dates are contingent upon Purchaser's timely approvals and delivery by Purchaser of any documentation required for ABB's performance hereunder.

(d) Claims for shortages or other errors in delivery must be made in writing to ABB within ten (10) days of delivery. Equipment may not be returned except with the prior written consent of and subject to terms specified by ABB. Claims for damage after delivery shall be made directly by Purchaser with the common carrier.

**6. Title & Risk of Loss.**

Except with respect to Software (for which title shall not pass, use being licensed) title to Equipment shall transfer to Purchaser upon



delivery according to the applicable freight term. Notwithstanding any agreement with respect to delivery terms or payment of transportation charges, risk of loss or damage with respect to the sale of Equipment shall pass from ABB to Purchaser at delivery as defined in this Agreement.

#### **7. Inspection, Testing and Acceptance.**

(a) Any inspection by Purchaser of Equipment on ABB's premises shall be scheduled in advance to be performed during normal working hours and subject to rules and regulations in place at the ABB premises.

(b) If the purchase order provides for factory acceptance testing, ABB shall notify Purchaser when ABB will conduct such testing prior to shipment. Unless Purchaser states specific objections in writing within ten (10) days after completion of factory acceptance testing, completion of the acceptance test constitutes Purchaser's factory acceptance of the Equipment and its authorization for shipment.

(c) If the purchase order provides for site acceptance testing, testing will be performed by ABB personnel to verify that the Equipment has arrived at site complete, without physical damage, and in good operating condition. Completion of site acceptance testing constitutes full and final acceptance of the Equipment. If, through no fault of ABB, acceptance testing is not completed within thirty (30) days after arrival of the Equipment at the site, the site acceptance test shall be deemed completed and the Equipment shall be deemed accepted.

#### **8. Warranties and Remedies.**

(a) Equipment and Services Warranty. ABB warrants that Equipment (excluding Software, which is warranted as specified in paragraph (d) below) shall be delivered free of defects in material and workmanship and that Services shall be free of defects in workmanship. The Warranty Remedy Period for Equipment (excluding Software and Spare Parts) shall end twelve (12) months after installation or eighteen (18) months after date of shipment, whichever first occurs. The Warranty Remedy Period for new spare parts shall end twelve (12) months after date of shipment. If the purchase order includes the sale of refurbished or repaired parts, the Warranty Remedy Period for such parts shall end ninety (90) days after date of shipment. The Warranty Remedy Period for Services shall end ninety (90) days after the date of completion of Services.

(b) Equipment and Services Remedy. If a nonconformity to the foregoing warranty is discovered in the Equipment or Services during the applicable Warranty Remedy Period, as specified above, under normal and proper use and provided the Equipment has been properly stored, installed, operated and maintained and written notice of such nonconformity is provided to ABB promptly after such discovery and within the applicable Warranty Remedy Period, ABB shall, at its option, either (i) repair or replace the nonconforming portion of the Equipment or re-perform the nonconforming Services or (ii) refund the portion of the price applicable to the nonconforming portion of Equipment or Services. If any portion of the Equipment or Services so repaired, replaced or re-performed fails to conform to the foregoing warranty, and written notice of such nonconformity is provided to ABB promptly after discovery and within the original Warranty Remedy Period applicable to such Equipment or Services or thirty

(30) days from completion of such repair, replacement or re-performance, whichever is later, ABB will repair or replace such nonconforming Equipment or re-perform the nonconforming Services. The original Warranty Remedy Period shall not otherwise be extended.

(c) Exceptions. ABB shall not be responsible for providing temporary power, removal, installation, reimbursement for labor costs or working access to the nonconforming Equipment, including disassembly and re-assembly of non-ABB supplied equipment, or for providing transportation to or from any repair facility, or for any other expenses

incurred in connection with the repair or replacement, all of which shall be at Purchaser's risk and expense. ABB shall have no obligation hereunder with respect to any Equipment which (i) has been improperly repaired or altered; (ii) has been subjected to misuse, negligence or accident; (iii) has been used in a manner contrary to ABB's instructions; (iv) is comprised of materials provided by or a design specified by Purchaser; or (v) has failed as a result of ordinary wear and tear. Equipment supplied by ABB but manufactured by others is warranted only to the extent of the manufacturer's warranty, and only the remedies, if any, provided by the manufacturer will be allowed.

(d) Software Warranty and Remedies. ABB warrants that, except as specified below, the Software will, when properly installed, execute in accordance with ABB's published specification. If a nonconformity to the foregoing warranty is discovered during the period ending one (1) year after the date of shipment and written notice of such nonconformity is provided to ABB promptly after such discovery and within that period, including a description of the nonconformity and complete information about the manner of its discovery, ABB shall correct the nonconformity by, at its option, either (i) modifying or making available to the Purchaser instructions for modifying the Software; or (ii) making available at ABB's facility necessary corrected or replacement programs. ABB shall have no obligation with respect to any nonconformities resulting from (i) unauthorized modification of the Software or (ii) Purchaser-supplied software or interfacing. ABB does not warrant that the functions contained in the software will operate in combinations which may be selected for use by the Purchaser, or that the software products are free from errors in the nature of what is commonly categorized by the computer industry as "bugs".

(e) THE FOREGOING WARRANTIES ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES OF QUALITY AND PERFORMANCE, WHETHER WRITTEN, ORAL OR IMPLIED, AND ALL OTHER WARRANTIES INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USAGE OF TRADE ARE HEREBY DISCLAIMED. THE REMEDIES STATED HEREIN CONSTITUTE PURCHASER'S EXCLUSIVE REMEDIES AND ABB'S ENTIRE LIABILITY FOR ANY BREACH OF WARRANTY.

#### **9. Intellectual Property Indemnification.**

(a) ABB shall defend at its own expense any action brought against Purchaser alleging that the Equipment or the use of the Equipment to practice any process for which such Equipment is specified by ABB (a "Process") directly infringes a patent in effect in the United States, an European Union member state or the country of the Site (provided there is a corresponding patent issued by the U.S., UK or an EU member state), or any copyright or trademark registered in the country of the Site and to pay all damages and costs finally awarded in any such action, provided that Purchaser has given ABB prompt written notice of such action, all necessary assistance in the defense thereof and the right to control all aspects of the defense thereof including the right to settle or otherwise terminate such action in behalf of Purchaser.

(b) ABB shall have no obligation hereunder and this provision shall not apply to: (i) any other equipment or processes, including Equipment or Processes which have been modified or combined with other equipment or process not supplied by ABB; (ii) any Equipment or Process supplied according to a design, other than an ABB design, required by Purchaser; (iii) any products manufactured by the Equipment or Process; (iv) any use of the Equipment or Process contrary to ABB instructions; (v) any patent issued after the date hereof; or (vi) any action settled or otherwise terminated without the prior written consent of ABB.

(c) If, in any such action, the Equipment is held to constitute an infringement, or the practice of any Process using the Equipment is finally enjoined, ABB shall, at its option and its own expense, procure for Purchaser the right to continue using said Equipment; or modify or replace it with non-infringing equipment or, with Purchaser's assistance, modify the Process so that it becomes non-infringing; or remove it and refund the portion of the price allocable to the infringing Equipment. THE FOREGOING PARAGRAPHS STATE THE EXCLUSIVE LIABILITY OF ABB AND EQUIPMENT MANUFACTURER FOR ANY INTELLECTUAL PROPERTY INFRINGEMENT.

(d) To the extent that said Equipment or any part thereof is modified by Purchaser, or combined by Purchaser with equipment or processes not furnished hereunder (except to the extent that ABB is a contributory infringer) or said Equipment or any part thereof is used by Purchaser to perform a process not furnished hereunder by ABB or to produce an article, and by reason of said modification, combination, performance or production, an action is brought against ABB, Purchaser shall defend and indemnify ABB in the same manner and to the same extent that ABB would be obligated to indemnify Purchaser under this "Intellectual Property Indemnification" provision.

#### **10. Waiver of Consequential Damages.**

In no event shall ABB, its suppliers or subcontractors be liable for special, indirect, incidental or consequential damages, whether in contract, warranty, tort, negligence, strict liability or otherwise, including, but not limited to, loss of profits or revenue, loss of data, loss of use, loss of use of any of the Equipment or any associated equipment, cost of capital, cost of substitute equipment, facilities or services, downtime costs, delays, and claims of customers of the Purchaser or other third parties for any damages.

#### **11. Limitation of Liability.**

(a) ABB's aggregate liability for all claims whether in contract, warranty, tort, negligence, strict liability, or otherwise for any loss or damage arising out of, connected with, or resulting from this Agreement or the performance or breach thereof, or from the design, manufacture, sale, delivery, resale, repair, replacement, installation, technical direction of installation, inspection, operation or use of any equipment covered by or furnished under this Agreement, or from any services rendered in connection therewith, shall in no case (except as provided in the section entitled "Intellectual Property Indemnification") exceed the purchase order price.

(b) All causes of action against ABB arising out of or relating to this Agreement or the performance or breach hereof shall expire unless brought within one (1) year of the time of accrual thereof.

(c) In no event, regardless of cause, shall ABB be liable for penalties or penalty clauses of any description or for indemnification of Purchaser or others for costs, damages, or expenses arising out of or related to the Equipment and/Services.

#### **12. Laws and Regulations.**

ABB does not assume any responsibility for compliance with federal, state or local laws and regulations, except as expressly set forth herein, and compliance with any laws and regulations relating to the operation or use of the Equipment or Software is the sole responsibility of the Purchaser. All laws and regulations referenced herein shall be those in effect as of the Proposal date. In the event of any subsequent revisions or changes thereto, ABB assumes no responsibility for compliance therewith. If Purchaser desires a modification as a result of any such change or revision, it shall be treated as a change per Article 4. Nothing contained herein shall be construed as imposing responsibility or liability upon ABB for obtaining any permits, licenses or approvals from any agency required in connection with the supply, erection or operation of the Equipment. This Agreement shall in all respects be

governed by, and construed, interpreted and enforced in accordance with the laws of the State of New York, USA, excluding its conflicts of laws rules and the provisions of the United Nations Convention on Contracts for the International Sale of Goods, and both parties hereby agree that any litigation concerning, arising out of, or related to this Agreement, whether claims are based on contract, tort, equity or otherwise, shall be conducted only in the state or federal courts functioning in the State of New York, Manhattan County and waive the defense of an inconvenient forum in respect to any such litigation. If any provision hereof, partly or completely, shall be held invalid or unenforceable, such invalidity or unenforceability shall not affect any other provision or portion hereof and these terms shall be construed as if such invalid or unenforceable provision or portion thereof had never existed.

#### **13. OSHA.**

ABB warrants that the Equipment will comply with the relevant standards of the Occupational Safety and Health Act of 1970 ("OSHA") and the regulations promulgated thereunder as of the date of the Proposal. Upon prompt written notice from the Purchaser of a breach of this warranty, ABB will replace the affected part or modify it so that it conforms to such standard or regulation. ABB's obligation shall be limited to such replacement or modification. In no event shall ABB be responsible for liability arising out of the violation of any OSHA standards relating to or caused by Purchaser's design, location, operation, or maintenance of the Equipment, its use in association with other equipment of Purchaser, or the alteration of the Equipment by any party other than ABB.

#### **14. Software License.**

(a) ABB owns all rights in or has the right to sublicense all of the Software, if any, to be delivered to Purchaser under this Agreement. As part of the sale made hereunder Purchaser hereby obtains a limited license to use the Software, subject to the following: (i) the Software may be used only in conjunction with equipment specified by ABB; (ii) the Software shall be kept strictly confidential; (iii) the Software shall not be copied, reverse engineered, or modified; (iv) the Purchaser's right to use the Software shall terminate immediately when the specified equipment is no longer used by the Purchaser or when otherwise terminated, e.g. for breach, hereunder; and (v) the rights to use the Software are non-exclusive and non-transferable, except with ABB's prior written consent.

(b) Nothing in this Agreement shall be deemed to convey to Purchaser any title to or ownership in the Software or the intellectual property contained therein in whole or in part, nor to designate the Software a "work made for hire" under the Copyright Act, nor to confer upon any person who is not a named party to this Agreement any right or remedy under or by reason of this Agreement. In the event of termination of this License, Purchaser shall immediately cease using the Software and, without retaining any copies, notes or excerpts thereof, return to ABB the Software and all copies thereof and shall remove all machine-readable Software from all of Purchaser's storage media.

#### **15. Intellectual Property, Inventions and Information.**

(a) "Intellectual Property Rights" means all current and future rights in copyrights, trade secrets, trademarks, mask works, patents, design rights, trade dress, and any other intellectual property rights that may exist anywhere in the world, including, in each case whether unregistered, registered or comprising an application for registration, and all rights and forms of protection of a similar nature or having equivalent or similar effect to any of the foregoing. "Technology" means all inventions, discoveries, ideas, concepts, methods, code, executables, manufacturing processes, unique compositions, mask works, designs, marks, and works of authorship fixed in the medium

of expression, and materials pertaining to any of the preceding; whether or not patentable, copyrightable or subject to other forms of protection. (b) ABB shall maintain all right, title and interest in any Technology and Intellectual Property Rights that ABB owned, created, conceived or discovered prior to entering into this Agreement, or owns, creates or discovers separately from the activities contemplated by this Agreement. Unless otherwise agreed in writing by ABB and Purchaser, ABB shall have all right, title and interest in any Technology and Intellectual Property Rights that ABB creates, conceives or discovers in furtherance of this Agreement, and ABB shall have all right, title and interest in any Technology and Intellectual Property Rights embodied in the Equipment and Services. Any design, manufacturing drawings or other information submitted to the Purchaser remains the exclusive property of ABB. Purchaser shall not, without ABB's prior written consent, copy or disclose such information to a third party, unless required by a public information request from a governmental body. Such information shall be used solely for the operation or maintenance of the Equipment and not for any other purpose, including the duplication thereof in whole or in part.

#### 16. Force Majeure.

ABB shall neither be liable for loss, damage, detention or delay nor be deemed to be in default for failure to perform when prevented from doing so by causes beyond its reasonable control including but not limited to acts of war (declared or undeclared), delays attributable to outbreaks, epidemics and pandemics, Acts of God, fire, strike, labor difficulties, acts or omissions of any governmental authority or of Purchaser, compliance with government regulations, insurrection or riot, embargo, delays or shortages in transportation or inability to obtain necessary labor, materials, or manufacturing facilities from usual sources or from defects or delays in the performance of its suppliers or subcontractors due to any of the foregoing enumerated causes. In the event of delay due to any such cause, the date of delivery will be extended by period equal to the delay plus a reasonable time to resume production, and the price will be adjusted to compensate ABB for such delay.

#### 17. Cancellation.

Special order, custom designed, and made-to-order Equipment are non-cancelable and non-returnable. Any other purchase order may be cancelled by Purchaser only upon prior written notice and payment of termination charges as set forth in the cancellation schedule included in the Proposal or payment of, including but not limited to, the purchase price of the work performed prior to the effective date of notice of termination, the costs identified to the purchase order incurred by ABB for work not completed, and all expenses incurred by ABB attributable to the termination, plus a fixed sum of ten (10) percent of the final total price to compensate for disruption in scheduling, planned production and other indirect costs.

#### 18. Termination.

(a) No termination by Purchaser for material default shall be effective unless, within fifteen (15) days after receipt by ABB of Purchaser's written notice specifying such default, ABB shall have failed to initiate and pursue with due diligence correction of such specified default.

(b) If the event of termination for a material default, ABB shall reimburse Purchaser the difference between that portion of the Agreement price allocable to the terminated scope and the actual amounts reasonably incurred by Purchaser to complete that scope, and Purchaser shall pay to ABB the portion of the Agreement price allocable to Equipment completed and any amounts due for Services performed before the effective date of termination.

(c) ABB may terminate the Agreement (or any affected portion thereof) immediately for cause if Purchaser becomes insolvent/bankrupt, or materially breaches the Agreement, including, but not limited to, failure or delay in Purchaser making any payment when due, or fulfilling any payment conditions.

#### 19. Export Control.

(a) Purchaser represents and warrants that the Equipment and Services provided hereunder, and the "direct product" thereof are intended for civil use only and will not be used, directly or indirectly, for the production of chemical or biological weapons or of precursor chemicals for such weapons, or for any direct or indirect nuclear end use. Purchaser agrees not to disclose, use, export or re-export, directly or indirectly, any information provided by ABB or the "direct product" thereof as defined in the Export Control Regulations of the United States Department of Commerce, except in compliance with such Regulations.

(b) If applicable, ABB shall file for a U.S. export license, but only after appropriate documentation for the license application has been provided by Purchaser. Purchaser shall furnish such documentation within a reasonable time after purchase order acceptance. Any delay in obtaining such license shall suspend performance of this Agreement by ABB. If an export license is not granted or, if once granted, is thereafter revoked or modified by the appropriate authorities, this Agreement may be canceled by ABB without liability for damages of any kind resulting from such cancellation. At ABB's request, Purchaser shall provide to ABB a Letter of Assurance and End-User Statement in a form reasonably satisfactory to ABB.

#### 20. Bribery and Corruption

(a) Purchaser hereby warrants that it will not, directly or indirectly, and it has no knowledge that other persons will, directly or indirectly, make any payment, gift or other commitment to its customers, to government officials or to agents, directors and employees of Seller or any other party in a manner contrary to applicable laws (including but not limited to the Corruption of Foreign Public Officials Act (Canada), the Foreign Corrupt Practices Act (United States) and, where applicable, legislation enacted by member States and signatories implementing the OECD Convention Combating Bribery of Foreign Officials) and shall comply with all relevant laws, regulations, ordinances and rules regarding bribery and corruption.

(b) Nothing hereunder shall render Seller liable to reimburse Purchaser for any such consideration given or promised.

(c) Purchaser's material violation of any of the obligations contained in Section 19(a) above may be considered by Seller to be a material breach hereunder and shall entitle Seller to terminate this agreement with immediate effect and without prejudice to any further right or remedies on the part of Seller hereunder or applicable law. Purchaser shall indemnify Seller for all liabilities, damages, costs or expenses incurred as a result of any such violation of the above-mentioned obligations and termination of this agreement.

(d) Purchaser understands that Seller's Code of Conduct is available for consultation online at <http://www.abb.com/integrity>. Purchaser agrees to perform its contractual obligations hereunder with substantially similar standards of ethical behavior as those found in Supplier's Code of Conduct.

(e) Seller has established the following reporting channels where Purchaser and its employees may report suspected violations of applicable laws, policies or standards of conduct:

Web portal: [www.abb.com/integrity](http://www.abb.com/integrity)

Telephone: number specified on the above Web portal

Mail: address specified on the above Web portal

**21. Assignment.**

Any assignment of this Agreement or of any rights or obligations under the Agreement without prior written consent of ABB shall be void.

**22. Nuclear.**

Equipment and Services sold hereunder are not intended for use in connection with any nuclear facility or activity, and Purchaser warrants that it shall not use or permit others to use Equipment or Services for such purposes, without the advance written consent of ABB. If, in breach of this, any such use occurs, ABB (and its parent, affiliates, suppliers and subcontractors) disclaims all liability for any nuclear or other damage, injury or contamination, including without limitation any physical damage to a nuclear facility itself, resulting from a nuclear incident and, in addition to any other rights of ABB, Purchaser shall indemnify and hold ABB (and its parent, affiliates, suppliers and subcontractors) harmless against all such liability including, but not limited to, any physical damage to the nuclear facility or surrounding properties, if any. Consent of ABB to any such use, if any, will be conditioned upon additional terms and conditions that ABB determines to be acceptable for protection against nuclear liability including but not limited to the requirement that the Purchaser and/or its end user customer shall have complete insurance protection against liability and property damage including without limitation physical damage to a nuclear facility itself or any surrounding properties, if any, resulting from a nuclear incident and shall indemnify ABB, its subcontractors, suppliers and vendors against all claims resulting from a nuclear incident including, but not limited to, any physical damage to the nuclear facility.

**23. Resale.**

If Purchaser resells any of the Equipment or Services, the sale terms shall limit ABB's liability to the buyer to the same extent that ABB's liability to Purchaser is limited hereunder. Additionally, if the end-user intends to use the Equipment or Services in connection with any nuclear facility or activity, the Purchaser shall require the end-user comply with the financial requirements under Price-Anderson Act (PAA) and secure a written release of liability which flows from the end-user to the benefit of ABB.

**24. Environmental, Health and Safety Matters.**

(a) Purchaser shall be obligated to maintain safe working conditions at its facility or location (the "Site"), including the implementing of appropriate procedures regarding Hazardous Materials, confined space entry, and energization and de-energization of power systems (electrical, mechanical and hydraulic) using safe and effective lock-out/tag-out ("LOTO") procedures including physical LOTO or a mutually agreed upon alternative method.

(b) Purchaser shall immediately advise ABB in writing of all applicable Site-specific health, safety, security and environmental requirements and procedures. Without limiting Purchaser's responsibilities hereunder, ABB has the right but not the obligation to, from time to time, review, audit and inspect applicable health, safety, security and environmental documentation, procedures and conditions at the Site.

(c) If, in ABB's reasonable opinion, the health, safety, or security of personnel or the Site is, or is likely to be, imperiled by security risks, the presence of or threat of exposure to Hazardous Materials, or unsafe working conditions, ABB may, in addition to other rights or remedies available to it, remove some or all of its personnel from Site, suspend performance of all or any part of the purchase order, and/or remotely perform or supervise work. Any such occurrence shall be considered a Force Majeure event. Purchaser shall reasonably assist in ensuring the safe departure of personnel from the Site.

(d) Purchaser shall not require or permit ABB's personnel to operate Purchaser's equipment at Site.

(e) Purchaser will make its Site medical facilities and resources reasonably available to ABB personnel who need medical attention.

(f) ABB has no responsibility or liability for the pre-existing condition of Purchaser's equipment or the Site, which is the sole responsibility of Purchaser. Prior to ABB starting any work at Site, Purchaser will provide documentation that identifies the presence and condition of any Hazardous Materials existing in or about Purchaser's equipment or the Site that ABB may encounter while performing under this Agreement. The provision of such documentation shall in no way release Purchaser from its responsibility for said conditions. Purchaser shall disclose to ABB industrial hygiene and environmental monitoring data regarding conditions that may affect ABB's work or personnel at the Site. Purchaser shall keep ABB informed of changes in any such conditions.

(g) ABB shall promptly notify Purchaser if ABB becomes aware of: (i) conditions at the Site differing materially from those disclosed by Purchaser, or (ii) previously unknown physical conditions at Site differing materially from those ordinarily encountered and generally recognized as inherent in work of the character provided for in the Agreement. If any such conditions cause an increase in ABB's cost of, or the time required for, performance of any part of the work under the Agreement, an equitable adjustment in price and schedule shall be made.

(h) If ABB encounters Hazardous Materials in Purchaser's equipment or at the Site that require special handling or disposal, ABB is not obligated to continue work affected by the hazardous conditions. In such an event, Purchaser shall at its sole cost and expense eliminate the hazardous conditions in accordance with applicable laws and regulations so that ABB's work under the Agreement may safely proceed, and ABB shall be entitled to an equitable adjustment of the price and schedule to compensate for any increase in ABB's cost of, or time required for, performance of any part of the work. Purchaser shall properly store, transport and dispose of all Hazardous Materials introduced, produced or generated in the course of ABB's work at the Site.

(i) Purchaser shall indemnify ABB for any and all claims, damages, losses, and expenses arising out of or relating to any Hazardous Materials which are or were (i) present in or about Purchaser's equipment or the Site prior to the commencement of ABB's work, (ii) improperly handled or disposed of by Purchaser or Purchaser's employees, agents, contractors or subcontractors, or (iii) brought, generated, produced or released on Site by parties other than ABB.

**25. Confidentiality.**

(a) ABB and Purchaser (as to information disclosed, the "Disclosing Party") may each provide the other party (as to information received, the "Receiving Party") with Confidential Information in connection with this Agreement. "Confidential Information" means (a) information that is designated in writing as "confidential" or "proprietary" by Disclosing Party at the time of written disclosure, and (b) information that is orally designated as "confidential" or "proprietary" by Disclosing Party at the time of oral or visual disclosure and is confirmed to be "confidential" or "proprietary" in writing within fifteen (15) days after the oral or visual disclosure. In addition, prices for Products and Services shall be considered ABB's Confidential Information.

(b) Receiving Party agrees: (i) to use the Confidential Information only in connection with the Agreement and use of Products and Services, (ii) to take reasonable measures to prevent disclosure of the Confidential Information to third parties, and (iii) not to disclose the Confidential Information to a competitor of Disclosing Party. Notwithstanding these restrictions, each party shall permit access to the other's Confidential Information only to its employees who:

(i) reasonably require access to Confidential Information for purposes approved by this Agreement, and (ii) have undertaken a binding obligation of confidentiality with respect to the confidential information of others entrusted to him or her, and (iii) have been apprised of the confidentiality obligations hereunder. ABB may disclose Confidential Information to its affiliates and subcontractors in connection with performance of the purchase order. A Receiving Party may only disclose Confidential Information to any other third party with the prior written permission of Disclosing Party, and in each case, only so long as the Receiving Party obtains a non-disclosure commitment from any such third party that prohibits disclosure of the Confidential Information and provided further that the Receiving Party remains responsible for any unauthorized use or disclosure of the Confidential Information. Receiving Party shall upon request return to Disclosing Party or destroy all copies of Confidential Information except to the extent that a specific provision of the Agreement entitles Receiving Party to retain an item of Confidential Information. ABB may also retain one archive copy of Purchaser's Confidential Information.

(c) The obligations under this Article 24 shall not apply to any portion of the Confidential Information that: (i) is or becomes generally available to the public other than as a result of disclosure by Receiving Party, its representatives or its affiliates; (ii) is or becomes available to Receiving Party on a non-confidential basis from a source other than Disclosing Party when the source is not, to the best of Receiving Party's knowledge, subject to a confidentiality obligation to Disclosing Party; (iii) is independently developed by Receiving Party, its representatives or affiliates, without reference to the Confidential Information; (iv) is required to be disclosed by law or valid legal process provided that the Receiving Party intending to make disclosure in response to such requirements or process shall promptly notify the Disclosing Party in advance of such disclosure and reasonably cooperate in attempts to maintain the confidentiality of the Confidential Information.

(d) As to any individual item of Confidential Information, the restrictions under this Article 24 shall expire five (5) years after the date of disclosure. This Article 24 does not supersede any separate confidentiality or nondisclosure agreement signed by the parties.

#### **26. Non-Survival.**

The following Articles shall not survive termination or cancellation of this Agreement: 5, 7, 8, 17 and 18. All other Articles shall survive the termination or cancellation of the Agreement.

#### **27. Entire Agreement.**

This Agreement constitutes the entire agreement between ABB and Purchaser. There are no agreements, understandings, restrictions, warranties, or representations between ABB and Purchaser other than those set forth herein or herein provided. As stated in Article 1 of this Agreement, ABB's Proposal, Policies, Addendum(s), if any, submitted to Purchaser, shall control over any conflicting terms. ABB specifically rejects any exceptions to this Agreement, Proposals, Policies, and/or Addendum(s) on the face of any purchase order. Purchaser shall advise ABB in writing of all conflicts, errors, omissions, or discrepancies among the Proposal, Policies, Addendum(s) and this Agreement immediately upon discovery. This Agreement shall supersede any standard, preprinted terms and conditions that are automatically attached to purchase orders issued by Purchaser.

#### **28. US Government Contracts.**

(a) This Article 28 applies only if the Agreement is for the direct or indirect sale to any agency of the U.S. government and/or is funded in whole or in part by any agency of the U.S. government.

(b) Purchaser agrees that all Equipment and Services provided by ABB meet the definition of "commercial-off-the-shelf" ("COTS") or "commercial item" as those terms are defined in Federal Acquisition Regulation ("FAR") 2.101. Purchaser agrees, consistent with FAR 12.212, that commercial computer software and commercial computer software documentation are licensed under ABB's Software License. To the extent the Buy America(n) Act, Trade Agreements Act, or other domestic preference requirements are applicable to this Agreement, the country of origin of Equipment is unknown unless otherwise specifically stated by ABB in this Agreement. Purchaser agrees any Services offered by ABB are exempt from the Service Contract Act of 1965 (FAR 52.222-41). The version of any applicable FAR clause listed in this Article 28 shall be the one in effect on the effective date of this Agreement.

(c) If Purchaser is an agency of the U.S. Government, then as permitted by FAR 12.302, Purchaser agrees that all paragraphs of FAR 52.212-4 (except those listed in 12.302(b)) are replaced with these Terms and Conditions. Purchaser further agrees the subparagraphs of FAR 52.212-5 apply only to the extent applicable for sale of COTS and/or commercial items and as appropriate for the Agreement price.

(d) If Purchaser is procuring the Equipment or Services as a contractor, or subcontractor at any tier, on behalf of any agency of the U.S. Government, then Purchaser agrees that FAR 52.212-5(e) or 52.244-6 (whichever is applicable) applies only to the extent applicable for sale of COTS and/or commercial items and as appropriate for the purchase order price.

#### **29. Data Protection.**

(a) The parties agree that the protection of Personal Data is very important. If Purchaser discloses Personal Data to ABB, ABB shall comply with all applicable data protection laws and regulations. Purchaser shall comply with all applicable data protection laws and regulations in respect of any Personal Data it receives from ABB in the course of receiving the Equipment or Services.

(b) The parties agree that neither will withhold or delay its consent to any changes to this clause which are required to be made in order to comply with applicable data protection laws and regulations and/or with guidelines and order from any competent supervisory authority, and their application to the Equipment or Services from time to time, and agrees to implement any such changes at no additional cost to the other party.

(c) The parties acknowledge that the processing of Personal Data in accordance with this purchase order may require the conclusion of additional data processing agreements or additional data protection agreements. If and to the extent such additional data processing agreements or additional data protection agreements are not initially concluded as part of the purchase order, the parties shall, and shall ensure that their relevant affiliates or subcontractors shall, upon the other's request promptly enter into any such agreement with an affiliate, as designated by the other party and as required by mandatory law or a competent data protection or other competent authority.