21 May 2026

Statement of Work

Procure Blast Cabinet, X11

1. General
   (1) This statement of work describes the minimum requirements for the procurement of one (1) Blast Cabinet.
   (2) The equipment shall be one of the manufacturer's current production models which, on the date this solicitation is issued, has been designed, engineered, and sold, or is being offered for sale through advertisements or manufacturer's published catalogs or brochures. Minor alternations to current production models to meet specifications listed are acceptable. Documentation illustrating ALL alternations to current production models must be provided with the contractor's proposal. Products such as a prototype unit, reproduction model, or experimental units do not qualify as meeting these requirements. And all material used in the fabrication shall be new.
   (3) The following utilities will be available for this equipment.
      a. Power source: 210 V AC, 50 Hz, 3Ø, up to 60 A
      b. Compressed air: 0.69 MPa
      c. Available floor area: 6,500×4,400 mm (W × D) excludes 3,500×600 mm (W × D), see ***Enclosure(1)***
      d. Wireless devices are prohibited.
   (4) This contract is to include installation, operational test, and operation / maintenance training for equipment as specified. Unless otherwise specified herein, the contractor shall provide all materials, transportation, unloading service, and labor for this contract. All work including installation and training in Government facilities shall be performed during the hours of 8:00 am to 4:45 pm (excluding 12:00 pm to 12:45 pm), Monday through Friday (excluding Federal Holidays). The contractor shall have a local Japanese dealer network that provides maintenance services and consumables / repair parts.

2. References
   (1) 29 CFR 1910.212 - Occupational Safety and Health Standards Subpart O Machinery and Machine Guarding
   (2) 29 CFR 1910.147 - Occupational Safety and Health Standards Subpart J General Environmental Controls

3. Enclosure
   (1) Sketch of installation site

4. Specifications

(1) Minimum requirements

This blast cabinet shall consist of cabinet, turntable with cart, abrasive system, dust collector unit, and control devices.

Safety sticker (Written in Japanese and pictogram, or English and pictogram, or only pictogram) shall be attached for each hazardous part.

Display language of each component shall be Japanese.

a. Cabinet
   - (a) Size: 1,500 × 1,500× 1,100 mm (W × D × H) or more
   - (b) Vertical lift door for turntable with cart
     - a) Door opening size (D × H): 1,000 × 500 mm (from top of the turntable)
     - b) Physical fall protection
   - (c) The following items shall be equipped in the cabinet.
     - a) Working port: Two (2) working ports with rubber gloves.
     - b) Replaceable sight glass
     - c) Ceiling mounted LED work light
     - d) Air blow gun
b. Turntable with cart
   - (a) Slide direction: Right side of the cabinet
   - (b) It shall be slide to inside and outside of the cabinet by manpower.
   - (c) Diameter: Ø1,200 mm or more
   - (d) Load capacity: 200 kg or more
   - (e) Tabletop plate
     - a) Form: Perforated or lattice
     - b) Opening size: Ø30 or diagonal 30 mm or less
c. Abrasive system
   - (a) Spray method: Mix up compressed air and pneumatically transported blast media and grid
   - (b) The mixing ratio shall be able to adjust.
   - (c) The following steel grid shall be applicable.
     - a) Material: Steel
     - b) Size: G100, 1,180 – 710 μm
   - (d) Nozzle
     - a) Material: Boron alloy
     - b) Bore diameter size: Ø4 – Ø7 mm
   - (e) Volume of pressure vessel: 15 L or more
d. Dust collection unit
   - (a) It shall separate vacuumed air from the cabinet into dust and re-usable grid.

(b) Pulse jet cleaning for the dust collector when the blower is stopping.
(c) Differential pressure gauge or manometer for the filter
(d) HEPA filter
a) Discharged air shall pass through the HEPA filter.
b) Differential pressure gauge or manometer shall be equipped.

e. Control devices
(a) Foot switch with cover for spray
(b) The following interlock safety system shall be equipped.
a) While the vertical lift door is open, the spray shall not activate.
b) While the blower pauses, the spray shall not activate.
(c) Warning for the lowest level of the grid remaining in the pressure vessel
(d) External run hour meter
a) It shall be able to check without opening the door.
b) No reset function
c) Range of 0 to 99,999.9 hours in increments of one (1) tenth of one (1) hour
(e) Ground Fault Circuit Interrupters (GFCI) with lock out operating handle on a door panel (V-05SV (Mitsubishi) or equivalent)
(f) Emergency stop button

(2) Accessories and attachments
a. Spare GFCI: 1 ea.
b. Spare nozzle: 1 ea.
c. Spare sight glass: 20 ea.
d. Spare gloves: 20 set

5. Document submission

The contractor shall submit the documents listed in ***Submittals*** to the Technical Point of Contact (TPOC) by the deadline. Government will accept or return with comments within ten (10) working days after receiving them from the contractor. The contractor shall not proceed with the work before Government approval.

6. Quality assurance inspection (origin)

The quality assurance inspection shall be conducted by the contractor to ensure the equipment functions properly at the contractor's facility. Government has an option of witnessing the inspection at the contractor's site.

7. Installation

(1) Provide a mobile crane or any equipment with labor for unloading as necessary. Government will not provide any crane service or lifting equipment.

(2) The contractor shall set and adjust the equipment in accordance with the manufacturer's instruction without anchor bolt at the Bldg. A47, SRF-JRMC Yokosuka.
(3) Be staffed by at least one (1) supervisor on site.

8. Acceptance test (after installation)
The acceptance test shall be conducted by the contractor to ensure the equipment functions properly at the delivery site, SRF-JRMC, Yokosuka. The acceptance test will be witnessed by TPOC. This test will be scheduled for at least ten (10) working days in advance.

9. Training
The contractor shall provide operational and maintenance training in Japanese for six (6) equipment operators and six (6) maintenance personnel at the SRF-JRMC, Yokosuka work site. All printed training aids shall be supplied at no additional cost to the Government and be in the Japanese language.

10. General safety
All machine parts, components, mechanisms, and assemblies furnished on the unit shall comply with all specific requirements of OSHA Safety and Health Standard (29CFR1910), General Industry. (***Reference (1)***)
After January 2, 1990, whenever replacement or major repair, renovation or modification of a machine or equipment is performed, and whenever new machines or equipment are installed, energy isolating devices for such machine or equipment shall be designed to accept a lockout device. (***Reference (2)***)

11. TPOC
TBD

Submittals (1/3)

a. Pre-Fabrication Approval Documents

	Nomenclature	Language	Format	*Qty.	Deadline
** (1)	Delivery specification (It shall include following (a) through (f).) (a) Sketch for the system / equipment configuration (b) Dimension for each component (c) Connection among main components (d) System / Equipment function and capacity (e) Accessories list ***(f) Other requirement for the system	Japanese or English	pdf or dwg	1	Within twenty-five (25) working days after contract award
(2)	Work schedule	Japanese or English	pdf	1	

*: The contractor shall submit them by either email, Compact Disc (CD) / Digital Versatile Disc (DVD), or paper documents.

**: The contractor can submit catalog materials for approval with TPOC's consent.

***: If it's needed.

b. Blank Form

	Nomenclature	Language	Format	*Qty.	Deadline
(1)	Quality assurance inspection data	Japanese or English	pdf	1	More than twenty (20) working days before the inspection
(2)	Acceptance test data	Japanese or English	pdf	1	

*: The contractor shall submit them by either email, CD / DVD, or paper documents.

Submittals (2/3)

c. Pre-Shipping Approval Documents

	Nomenclature	Language	Format	*Qty.	Deadline
(1)	Manufacturer inspection result	Japanese or English	pdf	1	More than ten (10) working days before the shipping
(2)	Packing figure and weight	Japanese or English	pdf	1	
(3)	Lifting procedure and the center of gravity (if applicable)	Japanese or English	pdf	1	
** (4)	SDS (Safety Data Sheet) for all oils and any other hazardous material.	English	pdf	1	
*** (5)	Certification that the equipment contains no detectable PCBs (less than 0.5ppm) in English and Japanese.	Japanese and English	pdf	1	

*: The contractor shall submit them by either email, CD / DVD, or paper documents.

**: The contractor does not have to submit them unless the equipment uses any hazardous material.

***: The contractor does not have to submit them unless the equipment uses hydraulic or dielectric oil.

Submittals (3/3)

d. Completion Documents

	Nomenclature	Language	Format	Qty.	Deadline
(1)	Instruction manual (It shall include following (a) through (g).) (a) Safety guidance (Warnings and Cautions) (b) Equipment specification (Name/Capacity/Function) (c) Operation (d) Maintenance and Inspection (Item/Cycle/Description) (e) Troubleshooting (f) Parts List (g) Installation information	Japanese and English	pdf	*J:3 E:1	Within twenty-five (25) working days after training
(2)	Spare parts catalog	Japanese and English	pdf	*J:3 E:1	
(3)	Acceptance test data result	Japanese or English	pdf	1	

*: Three (3) sets in Japanese and one (1) set in English. Additionally, one (1) CD / DVD copy. The CD /DVD copy shall include both Japanese and English version. If (1) and (2) are separate copies, they shall be combined to be one file.