

DC Generator

Questions

1. Our facilities are ISO certified. We will submit the ISO certification to meet the requirements of this evaluation criteria. Is there additional documentation that would be beneficial to provide alongside the ISO cert, or will the certification fully meet this requirement?
 - a. While an ISO certificate certainly helps prove the presence of a quality management program, we would like to see a brief description (i.e. a paragraph or two) of how the program will be applied to this project.
2. Reconditioning Task Group, Line 2, Re-varnish Windings- In order to re-varnish the winding in the field frame the coils would need to be removed from the frame. This would involve removing and replacing all wiring and removing, re-installing, and silver brazing the gang connections. The total price here will include all of these activities associated with re-varnishing the windings unless specified otherwise.
 - a. Understood. If the Offeror believes that these activities are required to re-varnish the windings in accordance with the applicable standards in RFB Section 5.4, please include them as part of the Reconditioning Task Group, Line 2, Re-varnish Windings price.
3. Reconditioning Task Group, Line 4 –Replace Brushes and Brush Springs- To accurately quote replacement of brushes and brush springs, please specify brush OEM and model number or specification.
 - a. The brush rigging from West DC Generator [#112] will have to be removed by SDSTA personnel and used on the on-hand spare generator while unit #112 is being refurbished. Please change the scope of this line item to be for **materials only** (no labor for installing new brushes and brush springs and inspecting the brush rigging).

DESCRIPTION	MANUFACTURER	PART#	QTY
Brush Style: QP3-45 note old #HML-132 Size: 0.875 x 1.750 x 3.375 8 rows with 8 per row (64 total)	Helwig Carbon Products	HML-132A	64
Spring Assembly Size: 7.000-# x 0.625 x 0.750		00.706275.6.01	64

4. Rewinding Task Group, Line 2 – Rewind Fields & Interpoles- This mirrors the question above about re-varnishing the windings. To rewind the main field coils would also require the re-insulating of the pole face bars, re-insulating of the comm coils, replacement of the field and armature circuit wiring, and re-installation of the gang connections, tig welded and silver brazed. The total price provided here will include all of these activities associated with rewinding fields & interpoles unless specified otherwise.
 - a. Understood. If the Offeror believes that these activities are required to rewind the field & interpole windings in accordance with applicable standards in RFB Section 5.4, please include them as part of the Rewinding Task Group, Line 2, Rewind Fields & Interpoles price.

5. Can the SDSTA provide copies of the latest electrical testing performed on #112 generator?
 - a. No electrical tests have been performed on this generator since it was last placed back into service in 2016. The initial and post-cleaning inspections and tests (RFB Sections 5.1.1 and 5.1.4) will need to be heavily relied upon to determine what the full extent of the refurbishment service will be.
6. We note that under General Requirements Section 5.1.2 will initially be completed by the SDSTA maintenance crew on site. After removal of the armature, please clarify if the maintenance crew will put the two field frame halves back together for transport in the shipping frame. If so, will they reconnect the electrical connections or leave them unconnected?
 - a. The field frame halves will be shipped as separate pieces.
7. Please have SDSTA provide an electronic copy of Westinghouse IB 5411 Motor-Generator Instruction Book.
 - a. An electronic copy of Westinghouse IB 5411 has been uploaded to the Documents section of where this RFB is posted on the sanfordlab.org website.
8. With regards to the warranty section 5.6, and the shelf-life warranty sub section: would we be able to store the motor here in order for SDSTA to retain a full year warranty for 5 years of shelf-life?
 - a. The SDSTA would prefer to store this refurbished generator as a critical spare in the MG set room onsite. The main reasons behind this preference is that it will eliminate delays from waiting for the generator to be transported to the SURF and from waiting for the generator to first climatize to the room before being energized and started up. Unless specified otherwise by the Contractor, the SDSTA intends to store the refurbished generator in accordance with EPRI 1009698.