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STATEMENT OF WORK (Revision 1)**Egyptian Remanufacture****1.0 SCOPE**

1.1 The Contractor shall provide the supplies and services necessary to perform contractor depot level refurbishment of Image Control Unit (ICU), p/n 12271800. This shall include the maintenance required to correct material damaged or failed, and restoration/replacement of the components, subassemblies, or assemblies to a "like new" condition. A "like new" asset is defined as one that contains mandatory replacement parts, meets all performance requirements of SC12271800J, and cannot be visually distinguished from an asset that has never been used.

1.2 Remanufacture/Upgrade shall conform to the ICU production configuration p/n 12271800, specification SC12271800 J, and any ECPs added by separate attachment to this contract.

1.3 **Failure-Free Through Tank Assembly** The contractor shall be responsible for the correction of all failures that occur on components provided under this contract through tank production and final acceptance at the Egyptian Tank Plant. *(See Paragraph 8 for further detail)*

2.0 REQUIREMENTS**2.1 General**

2.1.1 The Govt shall deliver repairables consisting of entities and/or components of the ICU (12271800) to the Contractor at his facility, unless otherwise authorized by the Contracting-Officer (CO).

All Line Replaceable Units (LRUs) shall be provided in Serviceable Condition . Units will be shipped in individual shipping containers. A form DD1149 will accompany the ICUs for tracking purposes.

2.1.2 The Contractor shall perform a functional test of the units prior to induction and will advise the Government should a replacement from the Govt provided float quantity be needed because an asset is deemed unserviceable or excessively damaged. The Contractor shall expend no further resources on any ICU that is not determined to be economical to remanufacture.

2.1.3 Upon completion of remanufacture/upgrade the Contractor shall deliver all ICUs to Anniston Army Depot. A form DD1149 shall be sent with the ICUs being shipped. The Contractor is to bear the transportation costs to ANAD. *(See delivery schedule, in Section B of the solicitation)*

2.2 Task A : Remanufacture/Time and Material

2.2.1 The Contractor shall induct the item for remanufacture and proceed in accordance with the following subparagraphs.

2.2.1.1 Only those parts, assemblies and subassemblies that will be reused and are not mandatory replacement parts listed in Exhibit B shall be repaired. The remanufacture process may be witnessed by the authorized Government representative located at the Contractor facility should he so elect. The contractor's final proposed repair action may be subject to a Government representative's review and verification.

2.2.1.2 The remanufacture effort is dependent on the use of float units, which are to be provided to the Contractor by the Government as necessary to accomplish the effort. An initial quantity of 10(ten) ICU LRUs will be provided.

2.2.1.3 The requirements for GFP repair parts or float units shall not impact or be the cause of any delay in the delivery schedule without prior approval of the cognizant Government Contracting Officer. The Contractor shall notify the Government upon determining that additional GFP floats or repair parts are required due to the condition of the GFP assets.

2.2.1.4 In the event ICU assets are returned for remanufacture that contain different anomalies or malfunctions, serviceable parts from one failed asset may be removed and installed on a second failed asset, thereby restoring it to an operational condition, assuming the component is not listed in appendix "B" requiring new components.

2.2.1.5 All remanufacture will be based on production level operating characteristics and will include repair efforts intended to return the asset to a "like new" condition and appearance to the maximum extent possible. The restoration of service life shall include performance of preventative maintenance, which shall provide for removal of all foreign matter, corrosion, deep scars, scratches, and CARC painting shall be assured (IAW product specifications). All parts replaced during the remanufacture effort shall be done IAW the applicable DMWR. This process shall include the restoration of all exterior functional identification markings to a legible condition, using a permanent marking technique.

2.2.1.6 The Contractor is authorized to maintain bench stock to support the remanufacture and upgrade effort. Material declared excess during the performance and completion of the contract will be disposed IAW the Contractor's plant clearance procedures.

3.0 Task B : Upgrade/Firm Fixed Price

3.1 All efforts described in Paragraph 3.0 and sub-paragraphs will be accomplished as part of the "Upgrade" effort. The integrity of all exterior metal surfaces, as stated in the ICU specification by CARC painting per drawing 12344343 Rev B. shall be assured. Repaint/touch-up shall be IAW MIL-C-53072A with MIL-P-23377F (primer) and MIL-C-22750E(1) (epoxy coating kit, or its components in bulk).

3.2 The 12271804 chassis will be modified to the latest configuration by adding the machined notch into the mounting flange.

3.3 Mandatory replacement parts for the upgrade portion of this effort are shown in **Exhibit B**.

3.4 A new identification plate shall be applied to each ICU. The plates are to reflect a new manufactured date and not reference the date from the original plate when the ICU was inducted. New serial numbers shall be established beginning with the number E001.

3.5 Unrepairable, unusable parts and components are the property of the Government and shall be disposed of as directed by the Contracting Officer. Shipping charges on removed assets shall be under Government Bill of Lading.

4.0 PACKAGING AND MARKING

4.1 Preservation/packaging/packing shall conform to commercial level per the requirements of ASTM-D3951-95. If any ICUs are received in a polystyrene container, the ICUs shall be returned in the polystyrene containers provided the containers are not damaged. Lens tissues shall be applied to optical surfaces.

5.0 QUALITY

5.1 The remanufacture and upgrade effort shall be performed at a level no lower than ISO 9002 or equivalent.

5.2 **Environmental Stress Screening:** Every ICU will be subjected to two axes 1.7 G rms random vibrations per the call outs found in Table 1. Use the X axis and Y axis.

Frequency (Hz)	To	Input Level (G ² /Hz)
From	To	
20	80	0.0024
80	350	0.0096

OVERALL INPUT 1.7 G rms
 Axes: X=Tranverse, Y=Longitudinal, Z=Vertical
 Simultaneous Vibration in both axes. 10 minutes for each vibration.

5.3 Final Acceptance Testing will be accomplished with the requirements set forth in SC12271800J.

6.0 Control Test

6.1 Control Testing will consist of two (2) units being subjected to the tests outlined in paragraph 4.2.3.3.2 of SC12271800J

7.0 Task C : Support Equipment

7.1 Government-owned tools and test equipment required to provide support are authorized for use on a rent-free, noninterference basis. The Contractor shall provide the Contracting Officer with a list of all Government-owned tools and test equipment (i.e., nomenclature and accountable contract) with their solicitation.

7.1.1 The Contractor shall provide for the movement, qualification, maintenance and repair of any Government-owned support equipment currently not in place for used in conjunction with this contract.

7.1.2 The cost of administration, equipment update, equipment calibration and other management activities necessary to perform the remanufacture and upgrade effort will be charged against the appropriate CLIN for contract administration and will not be included in the economical repair determination.

8.0 Schedule

8.1 The Contractor shall meet the contract delivery schedule in Section B.

9.0 Warranty: Failure Free Through the Egypt Tank Plant

9.1 The Contractor is responsible under this contract for the correction of all failures that occur during ICU integration/operation at Anniston Army Depot, the U.S. Army Lima Tank Plant and the Egyptian Tank Plant (ETP) prior to the tank's final acceptance.

9.2 Any failed assets will be returned to the Contractor's facility for rework at no additional cost to the Government.

9.3 The Contractor shall be liable for all transportation costs associated with return, receipt, rework, and re-shipment of repaired assets back to the Government facility involved.

9.4 The Contractor is authorized to maintain bench stock at the repair facility to support the warranty effort. The stock will be based on previous warranty experience, obsolescence and range and depth of U.S. Army supply support. Material declared excess during the performance and completion of the contract will be disposed of IAW the Contractor's plant clearance procedures.

9.5 The contractor's warranty liability excludes prime contractor induced damage, or damage resulting from abuse, shipment, or improper handling.

10.0 Minor Waiver and Deviations

10.1 Contractor authority for minor waivers and deviations and for corrective action and disposition of non-conforming material by a Material Review Board (MRB) is granted for the subject program. The Contractor is authorized to invoke previously approved Standard Repair Procedures (SRP).

11.0 Progress/Asset Status Reports (CDRL A001, DI-MGMT-80368)

11.1 The Contractor shall report GFE status and remanufacture/upgrade progress in contractor format to include the following information:

- a. Item Name
- b. Item Part Number/NSN
- c. Number of GFE assets received from the Government
 - Receiver document number
 - Serial numbers received and date of receipt
 - Location received from
- d. Number of remanufactured assets shipped to Anniston Army Depot
 - Shipping document number
 - Date shipped and serial number of units shipped
- e. Serial numbers of assets on-hand for repair/refurbishment and upgrade.

EXHIBIT "B"		
Mandatory Replacement Parts		
Part Number	Description	Quantity
12271823	Cover Access	1
12271898	ID Plate	1
12272176	Valve	1
12272294	Gasket, Access Cover	2
12272445 **	Cell Assy, Optical Element	1
AN960C416L	Washer	1
M83413/8-A08CC	Lead Electrical	1
MS122121	Insert, Screw Thread	1
MS16995-40	Screw	6
MS3212-27	Screw	4
MS3212-30	Screw	5
MS35338-138	Washer	6
MS35338-74	Washer	2
MS51957-78	Screw	1
MS9068-136	O-Ring	1
MS9068-145	O-Ring	1
MS91528-3F4B	Knob	1
NAS620C10	Washer	6
12271804-GFP-R	Chassis (GFP Reworked)	1
12271805	Washer, Key	2
12271807	Retainer, Front	1
12271808	Retainer, Rear	1
12271813	Cathode Ray Tube	1
12271820	Panel, Front Control	1
12271835	Isolator	1
12272177-1	Dial	2
12272341	Mount, ABMM-A	2
AN960C816L	Washer	3
CEC-24 NAS-813-24 BI	Cap Plug	2
LC35GN2	Lens	1
LC35N2	Lens	1
LH89/1	Housing	2
M5423/16-01	Boot	2
MS20813-1	Cap	1
MS25083-2CCB	Jumper	1
MS25237-387	Lamp	2
MS3367-4-9	Strap	15
MS35338-135	Washer	4
MS35338-136	Washer	4
MS51377-2	Valve Core	1
MS51607-1	Valve Stem	1
MS51957-43	Screw	4
MS91528-2E2B	Knob	4
NAS1635-06-04	Screw	1
NAS1635-08-7	Screw	25
NAS620C6	Washer	1
NAS620C8L	Washer	28
SF-24	Cap Plug	1

** The cell assembly will only be replaced if found non-functional