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21 August 1957

MEMORANDUM FOR: Chief, Technical Services Staff

SUBJECT : Request for Initiation of Test and Evaluation Work  
on a TSS Hydrogen Generator at ERDL, Ft. Belvoir,  
Virginia

1. Description of the Project

Test and evaluation of the TSS Hydrogen Generator developed by

25X1  
25X12. Purpose of the Project

The purpose of the tests will be two fold.

- A. Locate problem areas and eliminate the technical difficulties associated with pilot plant type equipment and evaluate the performance of the generator under sustained operation.
- B. Establish the scale of equipment necessary to compress the gas into high pressure cylinders and insure that the equipment will meet the field requirement of one of the area divisions. TSS has been requested by memorandum dated 8 August from C/SR/7 to conduct these evaluation tests and to make the generator available to meet an existing operational requirement.

3. Recommended Contractor

The recommended contractor for this work is the Industrial Gas Branch of the Mechanical Division, ERDL, Fort Belvoir, Virginia. This organization has extensive experience with the generation equipment used by the Air Force in their balloon projects.

4. Total Cost

The total cost of this work is estimated at \$20,000.00.

5. Support Requirements

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6. Project Engineer

The project engineer for this work will be [redacted] Room 212, 25X1  
West Outbuilding, [redacted] 25X1

7. Security Information

[redacted] 25X1  
[redacted] 25X1

Chief  
TSS/Engineering Division

DD/P/TSS/ED [redacted] 25X1

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