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TECHNICAL BACKGROUND PROCUREMENT INFORMATION

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I. Contractor

B. Evaluation of previous performance: No previous contracts with NPIC.Previous performance for USNPIC and WPAFB rated "excellent".

II. Brief description of this procurement: High-resolution, versatile, roll-film,
stereo-viewer.

Estimated total amt. \$

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A. Deliverable items: Tow (2) such viewers, the first to be delivered within

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3 months of date of contract the second to be delivered within 9 $\frac{1}{2}$ months, asdescribed in proposal 552A, dated 17 July 1963 with amendingletter dated 25 July 1963.

B. Is this procurement for other than a standard, "off the shelf" or slightly
modified commercial item? YES If "yes", is it anticipated that
any more of this unit will be procured? possible If so, a complete
set of directly reproducible manufacturing drawings and specifications
would normally be included in this procurement. Comments: Such

drawings should be included.

C. Will contract cover a period of more than 90 days? YES
If "yes", are progress reports desired? YES If so, indicate fre-
quency, content and number of copies desired: Bi-monthly; general

accomplishments, milestones, visitors, expenditures, anticipated delays;four copies.

D. Is any Government-owned property to be provided to the contractor?

No

If so, list and indicate its availability (where, when,

etc.)

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DECLASS REVIEW by NIMA/DOD

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E. Is any special tooling involved? No

F. Security:

1. Association with the Sponsor is [REDACTED]

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2. The specifications and/or drawings are Unclassified

3. The item is Unclassified

4. Contractor personnel known to be aware of this proposed procurement:

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5. Other security information None

III. Reasons for selection of this source. If other sources were considered, indicate results. If no other sources were considered, list the reasons why this firm is considered to be uniquely qualified to perform this work.

See attached sheet.

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IV. Technical contact [REDACTED] 2610
Name Telephone

In the event additional space is required, use the reverse side(s) of this form, with a reference to the item number to which the comment applies.

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III. Reasons for selection of this source.

Since 1960, many different well-qualified development organizations have been invited to submit proposals for the development of a versatile, high-resolution, roll film stereo-viewer. Many such proposals have been received but with one exception, that of [REDACTED], none claimed to be able to meet the required design goal of 8 lines/mm magnification. Such a goal requires resolution of 40 lines/mm at 5X and 400 lines at 50X etc. By employing fiber optics as the means of transmitting an image from a moving objective to a fixed ocular, [REDACTED] engineers contended that the degrading effects of the complex conventional optical systems for accomplishing this could be overcome. With the help of an optical integrating system developed during the process of building such a viewer, the claims of [REDACTED] engineers proved out and they delivered such a viewer to USNPIC early in 1962. There the viewer has received extensive operational and technical evaluation. (Please consult the attached Evaluation Report NPIC 203/63-U, dated May 1963). The performance of the equipment was phenomenal and the P.I. acceptance enthusiastic.

Since that time a group of potential technical development organizations was invited to propose on a related development for a Stereoscopic Point Transfer Device, which required a high performance scanning, stereo-viewing system. These organizations were given an explicit design objective and detailed explanation of the purpose of the device during the month of February 1963. Nine highly-qualified concerns were invited to propose. Only three responded. They were: [REDACTED] The [REDACTED] system was practically a copy of the original [REDACTED] viewer, and was priced considerably higher. The [REDACTED] system claimed to be capable of only 375 lines/mm at 125X, which is less than the original [REDACTED] viewer which resolves at least 400 lines/mm at 50X. In addition the price was more than twice the [REDACTED] proposal.

On this basis of sampling the field of logical developers (other firms invited to propose include: [REDACTED]) it is felt that [REDACTED] superior capability for this development through their proprietary fiber optics system is well-substantiated, and that no further investigation of the field is justified.

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