

JUSTIFICATION FOR BRAND NAME SOLE SOURCE <\$150K

PO Number:		
The effort listed on this form is for:	<input checked="" type="checkbox"/> Supply	<input type="checkbox"/> Service
The material and/or service listed on this form is:	<input type="checkbox"/> Sole Source	<input checked="" type="checkbox"/> Brand Name

Restricted to the following source or manufacturer:

- **Manufacturer/Source:** Detroit Diesel Corporation
- **POC and Phone Number:** (313) 592-5000
- **Address:** 13400 W Outer Dr., Detroit, MI 48239

Description of the item(s) or service(s) required and the estimated cost(s):

Item#	MFG Name	MFG Part#	Description	Qty	U/I	Unit Price	Ext Price
0001	Detroit Diesel	50347001	3-53, 3 Cylinder Diesel Engine	1	Each		

1. List the Required Delivery Date (RDD) or Period of Performance (POP):

The required delivery date is as soon as possible.

2. Specify characteristics of the material or service that limit the availability to a sole source/brand product (unique features, function of the item, etc.). Describe in detail why only this source/brand can furnish the requirements to the exclusion of other sources/brands.

The engine must be a re-manufactured Detroit Diesel Engine 3-53 that has been fully overhauled to factory specifications. The engine must have an output of about 101 hp at approximately 2800 RPM and produce a maximum torque of approximately 205 ft lb at 1800 RPM. The engine must be ready to run upon delivery.

3. Indicate if the requested material or service represents the minimum requirements of the Government.

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4. Indicate if the material or service must be compatible in all aspects (form, fit, and function) with existing systems presently installed/performing. Describe the equipment/function you have now and how the new item/service must coordinate, connect or interface with the existing system.

The Marine Propulsion Lab at the Naval Postgraduate School currently has a similar engine in a test cell. All instrumentation and setup has been tailored to that engine. The rationale for purchasing a second engine that matches the first is to eliminate purchasing instrumentation and manufacturing hardware tailored for the second engine, a significant cost investment. Second, the NPS is very familiar with the operation of this engine model; the safety protocols that are in place are applicable to this specific engine and would be followed for the second engine.

5. Does a patent, copyright or proprietary data limit competition?

N/A

6. Are the items "direct replacement" parts/components for existing equipment? If so, provide the information about the Next Higher Assembly (NHA)/equipment which the replacement parts are going into (e.g., description, model, part number, Original Equipment Manufacturer (OEM), etc.).

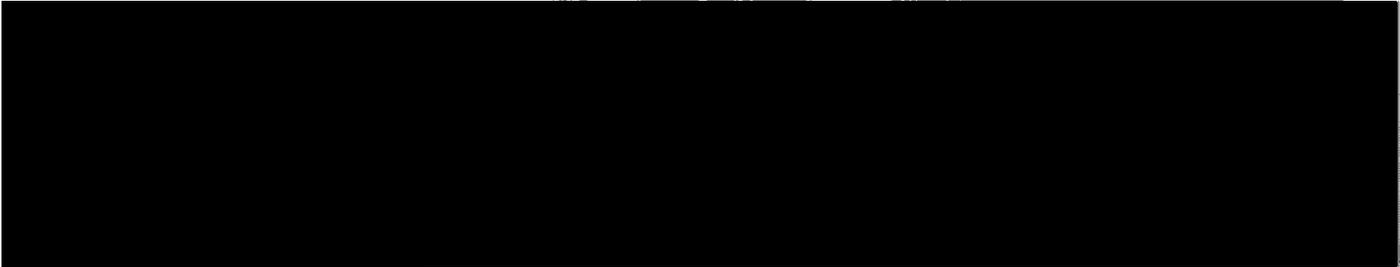
The engine will be a direct replacement for the existing test cell. All hardware and instrumentation currently in the test cell is specifically tailored for a Detroit Diesel 3-53 engine.

7. Provide any additional information to support a sole source/brand name sole source procurement. The rationale must justify "either" substantial duplication of cost to the Government that is not recovered through competition or unacceptable delays in fulfilling the mission of the agency.

As previously mentioned, the test cell is tailored for this specific engine. The instrumentation purchased has been manufactured specifically for this engine. Hardware has been designed and machined for this engine. Reproducing similar hardware and instrumentation for a different model engine would incur a significant investment in funds and manpower.

TECHNICAL OR REQUIREMENTS CERTIFICATION

I CERTIFY THAT THE STATEMENTS CHECKED, AND INFORMATION PROVIDED ABOVE ARE COMPLETE AND CORRECT TO THE BEST OF MY KNOWLEDGE. I UNDERSTAND THAT THE PROCESSING OF THIS SOLE SOURCE/BRAND NAME SOLE SOURCE JUSTIFICATION PRECLUDES THE USE OF FULL AND OPEN COMPETITION.



CONTRACTING OFFICER APPROVAL:

