

Vendor qualification criteria

1. a. Fabrication Facilities

The bidder must have the following facilities to accommodate the Hull structure of Approx. Length 6.5m,width 2.5m and Height 2.5m and its sub assemblies.

- i. Fixtures for sub assemblies, Hull assembly and RWA stage as per the process requirements.
- ii. Welding Manipulators should rotate 360° according to meet the functional requirements where ever required or bidders should provide undertaking for development of welding manipulator form the above mentioned capability.
- iii. Suitable capacity MIG/MMAW welding machines
- iv. Material Handing equipments. EOT crane capacity min 20MT for safe handling.

b. Manpower

Welders trained for armour plates welding either at HVF Avadi or welding Research Institue (WRI) at BHEL Trichirappalli. Without qualifying the test, no welder shall be allowed to carry out Armour welding. The bidder shall give an undertaking for the above said training of welder which should be provided during techno-commercial bid.

or

However those bidders who have experience in producing Armour vehicles and whose welders have undergone such training and qualification testing in the past will be exempted from this requirement. The proof of the same shall be provided/uploaded.

c. Inspection

Inspection of major sub assemblies and Hull assembly up to RWA stage as per the procedure indicated in the respective assembly and welding process book.

d. Stress reliving

Post welding stress reliving through shot peening or any appropriate / equivalent process with capability to handle Hull structure size. Specified above (1.a.)

e. Machining facilities

5 -Axis Plano Milling machine for Horizontal and vertical operations having minimum bed size of 8mX3.5m (Length x Width) is required for Hull machining.

The bidder should produce the proof (photography and documentary) of in house facilities of above mentioned facilities.

2. The bidder must have experience in manufacturing military off road vehicles and supplied min 20nos. of such military off road vehicles to the ministry of defence, Govt. of India (GOI). The relevant information in this regard along with the performance report from the end user must be provided.
3. Bidder should have sufficient infrastructure facilities for material handling, suitable floor space for assembly of Hull structure. Relevant documentary information for the above to be provided.
4. The bidder should have exclusive certification for manufacture of AFV structure and integration of the same. Proof to be submitted.
5. Turnover of the company shall be more than 100 crores, proof to be submitted.

Note:-

- I. The bidder is required to bring signed Non Disclosure Agreement (NDA) as per the HVF Format. *attached for Reference I.*
- II. The interested bidders shall collect drawing and specification from HVF against submission of NDA.
- III. Representatives of HVF may visit the bidder / sub bidders to ascertain the availability of facilities and expertise for executing said work. The bidder shall furnish the details relevant to manufacturing, financial and managerial capabilities.