

**Low noise, low heat generating, wall/floor mountable, compact electronic display console with enhanced ergonomics and aesthetics for tactical systems**

NPOL, Kochi, a premier laboratory under Defence R&D Organisation invites Expressions of Interest (EOI) from original manufacturer(s) having sufficient experience, expertise and willing to undertake production of aesthetic and ergonomically designed, state-of-the-art compact display console for tactical systems like Command Control Systems, Sonar Simulators, Radar Simulators etc. The firm should be technologically sound to manufacture and supply the system with requisite quality standards.

Technical specifications in brief are as follows:

Overall Dimensions	:	500 mm (W) × 790mm (D) × 1750mm (H)
Approx. Weight (including electronics)	:	130 Kg
Mounting	:	Floor mounting / Wall mounting
Connectivity	:	MIL 38999 connectors for Ethernet, USB and Power
Power Input	:	230V 50Hz AC
Off the shelf electronic components which can be installed in the console *:		
Display Panel PC	:	20.1 inch Panel PC
Touch Input Device	:	10 inch Panel PC
Ethernet Switch	:	Managed Level-3 compact Ethernet Switch
AV Recorder	:	Compact Audio Video Recorder
Audio	:	Compact dual speakers and head phone, Hooter
Indicator Panel	:	LEDs for Torpedo Alarm, Critical Error, Over Temperature
* Design of off the shelf electronic components not included in TOT.		

Interested parties may respond along with their company profile, financial & technical capabilities etc. as per the following format –

- a) Memorandum and Articles of Association (Should be incorporated as per Indian Companies Act, 1956)
- b) Certificates of registration as a manufacturing unit, if any.
- c) Balance Sheet for the preceding three years.

- d) Income Tax returns for the preceding three year period
- e) Details of shareholding/ownership pattern especially foreign partners/ shareholders, foreign employees, directors, etc. The company must adhere to the prevailing Govt. of India policies and regulations on Foreign Direct Investment (FDI).
- f) Annual budget for R&D during last three years.
- g) Numbers and details of IPR or patents etc. held by the company.
- h) Number of technically or professionally qualified personnel.
- i) Record of past performance (e.g. Supply orders executed against of Ministry of Defence orders, public sectors and paramilitary forces, if any.
- j) Availability of adequate infrastructure (List of machines and their production capacities) and technical expertise.
- k) List of Testing and Support equipment.
- l) ISO/ ISI certification or any other certification
- m) Relevant clearances form the authorities/ ministries (if any)
- n) Capacity and capability to undertake developmental work and to accept attendant financial and commercial risks.
- o) Capacity/Capability to market the product through the marketing network, sales and service network, reliability to maintain confidentiality.

Eligible parties will have to sign Confidentiality & Non-Disclosure Agreement (CNDA) with DRDO for technical discussion including specifications, following which they shall be considered for giving Transfer of Technology (TOT) on non-exclusive basis. TOT to industry will be given based on their manufacturing capability, assurance on quality and capacity of production apart from other terms and conditions.

Interested Industries may contact/ write to Director, NPOL, Kochi or Director DIITM on the following addresses –

**Director, NPOL**

DRDO, Min. of Defence,  
Thrikkakara P.O.  
Kochi-682021  
Contact No - 0484 2424878  
FAX : 0484-2424858  
Email: [director@npol.drdo.in](mailto:director@npol.drdo.in)

**Director, DIITM**

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DRDO HQrs Ministry of Defence  
Rajaji Marg New Delhi – 110011  
Contact No - (011) 23016216 / 23007446