

Office of Chief Mechanical Engineer  
2nd Floor, Annexxe, A.O. Building,  
Deendayal Port Authority,  
Gandhidham (Kutch) - 370203  
E-mail: cme@deendayalport.gov.in



No. CME/\_\_\_\_\_

Date : 31.07.2025

To,  
\_\_\_\_\_  
\_\_\_\_\_

**'Expression of Interest'**

Sub: "Implementation of Anti-Drone Technology for Port Area Surveillance & Security".

Sir,

Deendayal Port Authority (DPA) intends to install a comprehensive Anti-Drone Surveillance and Neutralization System to enhance security across critical port zones. This system will proactively protect vital infrastructure, cargo, and personnel, especially during high-alert or conflict scenarios for the safety of port.

Kindly submit your Expression of interest along with budgetary-offer for the subject work on the basis of the scope of work enclosed Schedule-B herewith. Expression of Interest should include profile of your firm, work experience in similar supply drone, technical brochure for the said supply of equipment, and your comments/suggestions (if any) regarding the proposal etc.

The rates quoted must be inclusive of all costs such as including but not limited to manpower, tools, tackles, etc. along with transportation up to DPA site and other auxiliary charges required for successful work completion of work excluding GST.

Your EOI with budgetary offers for the above work should reach this office or on cme@deendayalport.gov.in on or before 09.08.2025.

Thanking you

Yours faithfully,

-SD-

AXEN (E)

Deendayal Port Authority



## **General Terms & Conditions:**

### **1) Scope of Work:**

- a) Drone Detection: Radar, RF sensors, EO systems.
- b) Identification: Real-time monitoring and classification.
- c) Neutralization: RF jamming, GPS Jamming, etc.
- d) Integration: With existing port surveillance infrastructure.
- e) Training & Maintenance: On-ground support and AMC.
- f) The system must maintain a minimum uptime of 96% annually, allowing maximum 12 days (per 365 days) for maintenance, upgrades, or downtime. This will ensure continuous surveillance and reliability throughout the year.

### **2) Technical Specifications (Indicative)**

- a) RADAR: Pulse-Doppler, Up to 5-10 km range, 360° coverage, targets  $\geq 20$ , bands X or KU  
RF Detector: Up to 10-15 km detection, 70MHz - 8 GHz extendable,  $\leq 3^\circ$  accuracy  
RF Jammer: Up to 10 km, wide band jammer (Including ISM Bands) both omni and direction + GNSS bands, software-controlled  
EO/IR: Detection range up to 3 km,
- b) Automated control system: Tracking of selected moving object (Drone)
- c) C2 Centre: Unified UI, threat alerts, logging, encrypted network

### **3) Payment Terms**

- a) 50% on delivery (RADAR, RF Detector, Jammers, EO/IR, C2).
- b) 30% post-installation & TPIA certification.
- c) 10% on system acceptance by DPA.
- d) 10% retained as performance security against defect liabilities for period of 1 Year.

### **4) Comprehensive Operation & Maintenance of the complete systems:**

The comprehensive operation & maintenance contract means that the contractor has to carry out the operations of each equipment's; preventive, scheduled and breakdown maintenance of the complete systems for five years from the date of satisfactory test & trial and accepted by DPA deployment of each equipment's, including but not limited to required manpower, consumables, tools, plants, Spare parts, accessories, maintenance services and all arrangements, required for successful completion of contract.

Seal & Signaturen Firm

-SD-

AXEN (E)

Deendayal Port Authority



**Schedule - B****Sub: Implementation of Anti-Drone Technology for Port Area Surveillance & Security****Item: A**

Sir No.	System Component	Quantity	Unit Rate (Rs.)	Total Cost (Rs.)
1	Radar System	3		
2	RF Detector	3		
3	Jamming System	3		
4	EO/IR Camera	3		
5	Command & Control Unit which includes Communication network, Power System, Software License.	3		

**Item: B**

Sir No.	System Component	Quantity	Unit Rate (Rs.)	Total Cost (Rs.)
1	Compressive AMC (excluding cost of materials for one year of defect liability period)	1st Year		
2	Compressive AMC	2nd Year		
3	Compressive AMC	3 <sup>RD</sup> Year		
4	Compressive AMC	4 <sup>th</sup> Year		
5	Compressive AMC	5 <sup>th</sup> Year		

This Expression of Interest does not constitute a commitment to purchase and install, and DPA reserves the right to accept or reject any EOI without assigning any reason whatsoever.

-SD-

**AXEN (E)**  
**Deendayal Port Authority**



