

REPUBLIC OF TÜRKİYE  
MINISTRY OF NATIONAL DEFENCE  
ANKARA

**PRE-ANNOUNCEMENT FOR AFYON AIRBASE CONSTRUCT MAINTENANCE  
HANGAR FOR AEW AIRCRAFT & PROVIDE CRASH FIRE AND RESCUE  
STATION**

REFERENCE:

a) NATO Document dated 05.07.2023 and numbered AC/4-DS(2023)0011 (INV)

b) NATO Document dated 08.05.2023 and numbered AC/4-DS(2023)0007 (INV)

1. In accordance with Reference (a and b), Turkish Ministry of National Defense has prepared this document to ensure the selection of qualified firms to submit bids for the NCB+ construction tender for the “Afyon Airbase Construct Maintenance Hangar For AEW Aircraft (3AF19299) & Provide Crash Fire and Rescue Station (3AF19278)”.

2. PROJECT SUMMARY AND SCOPE:

**a. Construction of a Maintenance Hangar for AEW Aircraft**

The work to be done in this section includes the construction of a Maintenance Hangar, a Technical Units Building adjacent to the hangar, a Heating Center serving the Hangar Building, and a 1000 m<sup>3</sup> semi-buried reinforced concrete Water Depot. The characteristics of the buildings are provided below.

**1) Maintenance Hangar Facilities :**

**a) Hangar Building :**

The building where the KC-46A or AWACS aircraft will be stationed is a steel structure with a total area of 3,634 m<sup>2</sup>, with dimensions L = 60.20 m, W = 60.35 m, and a height ranging from 15.00 m to 23.70 m. The building's structural system consists of columns and beams made of 150-130 cm fabricated steel I-beams. The hangar floor will be 35.00 cm thick concrete, with approximately 160 cm of stabilized filling under the floor. The walls exterior surface of the hangar, the roof, and the façade cladding are made of stone wool-filled galvanized sheet metal and sandwich panels. The hangar door, which is 60.00 m wide and 13.50 m high, is made of aluminum and opens in both directions with three wings on each side. The opening of the door can be operated manually or with motor-driven mechanisms. There is an upper-middle door, 10.00 m wide and 5.00 m high, which opens upward through hinges at a height of 13.50 m for the rear vertical wing of aircraft entering the hangar. To protect the main hangar doors when open, a U-shaped, covered reinforced concrete door protection section, 10.50 m long and 14.00 m high, will be constructed in the direction of the hangar entrance. Additionally, a minimum 35.00 cm thick, 30.00 m long and min. 23.00 m wide connecting taxiway will be built between the existing apron and the new hangar to serve aircraft entry into the hangar.

The technical units section to be built at the rear of the hangar building is a reinforced concrete structure with a construction area of 537.00 m<sup>2</sup>, measuring 50.65 m in length, 9.00 m in width, and 4.50 m in height. The building includes workshops, an operations room, WC-shower, changing rooms, and technical volumes.

For the mechanical installation works of the maintenance hangar, the following systems are included: sanitary installations (domestic cold water, hot water system, hot water recirculation system), sewage system, fire protection equipment and installations (sprinklers, fire cabinets, above-ground fire hydrants, foam generators, portable fire extinguishers, fire-fighting water intake points, smoke exhaust units), heating system, VRF cooling system, exhaust ventilation system, compressed air system, and automation system for mechanical installations.

The electrical installations in the facility will include lighting, socket installations, UPS, Data, Telephone, and TV installations, fire detection systems, sound announcement systems, camera systems, grounding system, and lightning protection system. A transformer kiosk will be installed for energy supply.

**b) Heating Center :**

The heating center, which will serve the maintenance hangar, has an area of approximately 460.00 m<sup>2</sup> and dimensions of 25.00 m in length, 18.00 m in width, and 5.00 m in height. The facility will be constructed as a reinforced concrete system. The building includes a heat center, office, WC, changing rooms, shower, compressed air system, fuel tank, electrical panel rooms, and a workshop.

The mechanical installations in the facility will include 2 each heating boilers, 2 each burners, a diesel main fuel tank, a daily fuel tank, 3 each expansion tanks (1 each for the system and 2 each for the boilers), a boiler, water softening device, soft water tank, air compressor, dryer, compressed air tank, collector, diesel fuel system, and an automation system for mechanical installations.

The electrical installations in the facility will include lighting, socket installations, telephone, fire detection system, grounding system, and lightning protection system.

**c) 1000 m<sup>3</sup> Water Depot :**

The facility serving the Maintenance Hangar for AEW Aircraft will have two 500 m<sup>3</sup> water tanks and a technical volume containing pumps. The water depot has a length of 21.20 m, width of 25.05 m, and an average height of 7.80 m. The warehouse, with an area of 532.00 m<sup>2</sup>, will be constructed using reinforced concrete construction system..

The mechanical installations in the facility will include 1 each frequency converter hydrofor, 3 each main fire pumps, 1 each jockey pump with control panel, 2 each diesel fuel tanks, collector, valves, flow meters, relief valves, fire-fighting water intake point,

The electrical installations in the facility will include lighting, socket installations, fire detection system, grounding system, and lightning protection system.

## **2) Crash Fire and Rescue Station :**

The crash fire and rescue station building consists of three sections, separated by expansion joints: the personnel-office section, the garage section, and the technical units section. The first section, the personnel-office section, is approximately 142.00 m<sup>2</sup>. This section includes a command room, alarm room, ready team room, fire equipment and dressing rooms, training and planning room, WC + shower, kitchen, and material room. The second section, the garage section, has a length of 28.80 m, a width of 14.10 m, and a height of 5.20 m. The section, covering approximately 407.00 m<sup>2</sup>, has a reinforced concrete column-beam supporting system and a steel roof structure. The third section, the technical volumes section, is approximately 210.00 m<sup>2</sup> and constructed with reinforced concrete. This section contains technical rooms, generator room, panel room, foam room, and material rooms.

The mechanical installations in the crash fire and rescue station building include sanitary installations (cold water supply system: water tank + frequency converter hydrofor, hot water system: boiler + solar energy system + hot water recirculation system), solar energy system, sewage system, fire protection equipment and installations (fire cabinets, portable extinguishers), heating system with 2 each diesel fuel heating boilers, radiator system, hot air duct system, ventilation unit, heating battery system, boiler heating system, VRF cooling system, ventilation system (ventilation unit, heat recovery unit), exhaust ventilation system, diesel fuel system, and automation system for mechanical installations.

The electrical installations in the crash fire and rescue station building include lighting system, power outlets system, UPS, data, telephone and TV installations, fire detection system, public address system, camera system, grounding system, and lightning protection system. A transformer kiosk will be installed for energy supply.

As a field Works in all new facilities will include concrete connection roads with concrete pavements and road infrastructure, leak-proof reinforced concrete septic tanks for sewage system, clean water connections, reinforced concrete gallery system between the hangar and the heating center, foundation and surface drainage systems in the facilities, landscape arrangements, outdoor and field lighting, electrical and mechanical connections with old utilities

3. The project's expenditure authority is  $8.564.235 + 1.867.979 = 10.432.214$  Euros. It is expected that the budget details related to the tender are not disclosed to potential candidates. The work is planned to be completed within 500 (five hundred) calendar days.

4. The Ministry of National Defense (MOD) intends to apply the one-stage, two-envelope National Competitive Bidding (NCB+) method open to NATO member countries. The firm selection will be made based on the lowest acceptable bid. The tender documents are planned to be published in the third quarter of 2025, with the tender closing date expected to be within the fourth quarter of 2025. The bids will remain valid until January 1, 2026, and the contract is planned to be signed by the end of the first quarter of 2026.

5. It is requested that the list of firms approved for eligibility to participate in this tender be submitted to the Ministry of National Defense (MOD) by 11:00 AM on July 31, 2025. The list to

be submitted must include the firm's name, phone and fax numbers, email address, and contact personnel details. This information is crucial for establishing accurate and efficient communication with firms intending to participate in the tender and should be submitted to the address below.

MOD LOGISTIC GENERAL DIRECTORATE, NATO SECURITY INVESTMENT  
DEPARTMENT

To Land and Air Facilities Branch  
06651 Bakanlıklar – Ankara / TÜRKİYE

Fax : (+90) 312 418 33 84

e-mail: [y.yidirim@msb.gov.tr](mailto:y.yidirim@msb.gov.tr) / [levent.gungor@msb.gov.tr](mailto:levent.gungor@msb.gov.tr) / [yavuz.sari@msb.gov.tr](mailto:yavuz.sari@msb.gov.tr)

7. The specification will not contain any classified information. Companies intending to participate in the tender should be aware that they will work at NATO Headquarters, and the personnel must have a "NATO RESTICTED" level security clearance. All security clearances must be obtained prior to the signing of the contract in accordance with the "C-M(55)15 (Final)" document.

8. It is requested that the eligibility declarations (Declaration of Eligibility) containing the legal names and addresses of all companies intending to participate in this tender be submitted to the Ministry of Foreign Affairs through the NATO Permanent Representations or Embassies in Ankara. Direct applications from the companies will not be considered.

Thank you for your contributions to this tender.

ON BEHALF OF THE MINISTER OF NATIONAL DEFENSE