



**WC1857628 - CY- AKI- CIDP26 - PL102 - 008ND - AKR - SLS - B, C & D Antennas-
Concrete Bases Repairs - Work Regime I- WORKS ONLY**

ABOUT US

Mitie is an international facilities management and professional services company headquartered in the UK. We work with public and private sector clients and have a workforce of circa 77,500 people worldwide. We are a leader in developing and delivering desirable outcomes for our clients and aim to be a great place to work for our employees where everything we do is shaped by our core values.

In the UK Sovereign Base Areas in Cyprus, Mitie delivers the full range of facilities management services on behalf of the main Client, the UK Defence Infrastructure Organization (DIO).

We currently support the Ministry of Defence (MoD) and its departments in the UK and abroad - across land, sea and air - at more than 35 sites within the UK's military estate. This includes the Falkland Islands, Ascension Island, Cyprus and Gibraltar.

You can read more about Mitie on our website www.mitie.com.

BRIEF SCOPE OF WORKS

The basic requirement under Work Order **WCI857628** is the repairing, strengthening, and waterproofing of the existing concrete foundations supporting Antenna Systems B, C and D located at the Salt Lake Site, RAF Akrotiri (West Site).

The site is situated in a marine environment, with the foundations submerged in lake water for approximately two-thirds of the year. This exposure has likely contributed to degradation, including corrosion of reinforcement bars (rebars), concrete spalling, and potential cracking due to saline conditions.

The objective is to extend the service life of the foundations by exposing and repairing damaged areas, strengthening the structure through reinforced concrete extensions, enhancing corrosion protection, filling of any cracks and applying waterproofing measures. All works shall comply with relevant standards, including EN 206 for concrete, EN 1992-1-1 for structural design, and local environmental regulations to minimize impact on the sensitive marine and lake ecosystem.

GENERAL WORK REQUIRED

In more detail the work items are:

- Prior commencement of works the Site has to be secured and fenced off with appropriate signage erected so to prevent access to unauthorized personnel. The site must be secured using cones and warning tape – refer to Traffic Management Plan for more information.
- The Contractor, where required is to inform the users and relevant Authorities about the proposed works and instruct them for any precautionary measures required to be taken.
- At the start of the works, the Contractor is to carry out inductions and training for all working personnel regarding the specific work activities to be undertaken, the PPE required, and the regulations to be followed. All training records are to be maintained in the Health and Safety file for review and verification. Additionally, all masts shall have a minimum protection coverage of 2 metres from foundation level upwards to safeguard the paint coating from potential damage during excavation or associated works.
- Possible mechanical equipment to be used are:
Excavators, Diggers, Forklifts, concrete carrying truck, concrete pump truck.
- The plant used will have to follow the HSE regulations and are obliged to have the required Inspection Certificates and their Licensed Driver or Trained Operator. The Vehicle/Driving Licenses and Inspections Tests are required to be kept onsite for viewing and auditing.
- Scan ground (using ground penetration radar or other suitable equipment) and mark any underground service.
- Environmental Protection: Given the marine and submerged environment, implement measures to prevent contamination of the lake water. This includes installing impermeable membranes, bunds, or containment barriers around the work area to capture any leaks, spills, or runoff from concrete, epoxy, paints, or other materials. All waste shall be disposed of in accordance with local environmental laws. Water pumped from excavations shall be filtered and tested before discharge. Authorities should be notified for the water discharge in order to ensure that any permits possibly required are in place prior to works.
- Health and Safety: Prepare a site-specific health and safety plan, including risk assessments for working in wet conditions with associated method statements, handling chemicals, and excavation. Provide personal protective equipment (PPE) such as waterproof clothing, respirators for epoxy application, and fall protection if needed. Ensure all personnel are trained in emergency procedures, including spill response.
- Services Clearance and trial pits are to be used prior to the construction works. The Services Clearance documentation is only indicative and to determine the exact locations

and depths, the contractor is responsible for carrying out trial pits (manual hand digging) to locate the services prior to the construction works. The number of trial pits shall be subject to risk assessment considering the complexity of the terrain and services identified on the Services Clearance Certificate. Prior to any excavations the contractor is responsible to re-obtain the Services Clearance through the Project Manager.

ANNEX A – LIST OF MASTS

S/N	Asset No.	Name of antenna network	Asset description	Asset Height (m)
1	MT0058	Bravo	TRIANGULAR LATTICE MAST	38.1
2	MT0059		TRIANGULAR LATTICE MAST	35.1
3	MT0060		TRIANGULAR LATTICE MAST	42.6
4	MT0061		TRIANGULAR LATTICE MAST	42.6
5	MT0062		TRIANGULAR LATTICE MAST	38.1
6	MT0063		TRIANGULAR LATTICE MAST	35.1
7	MT0064		TRIANGULAR LATTICE MAST	42.6
8	MT0065	Charlie	TRIANGULAR LATTICE MAST	30.5
9	MT0066		TRIANGULAR LATTICE MAST	21.2
10	MT0067		TRIANGULAR LATTICE MAST	30.5
11	MT0068		TRIANGULAR LATTICE MAST	30.5
12	MT0069		TRIANGULAR LATTICE MAST	21.2
13	MT0070		TRIANGULAR LATTICE MAST	21.2
14	MT0071		TRIANGULAR LATTICE MAST	30.5
15	MT0072	Delta	TRIANGULAR LATTICE MAST	25.9
16	MT0073		TRIANGULAR LATTICE MAST	15.2
17	MT0074		TRIANGULAR LATTICE MAST	24.4
18	MT0075		TRIANGULAR LATTICE MAST	24.4
19	MT0076		TRIANGULAR LATTICE MAST	25.9
20	MT0077		TRIANGULAR LATTICE MAST	15.2
21	MT0078		TRIANGULAR LATTICE MAST	24.4

Table: List of masts

ANNEX B – SITE PLAN

