CATEGORY 3 CONTAINMENT REFURBISHMENT AND BIOTECH BUILDING IMPROVEMENT PROJECT

Introduction

The Medicines and Healthcare products Regulatory Agency is a Government Trading Fund and an Executive Agency of the Department of Health established on 1 April 2003. We have around 1,270 staff, with a total budget of approximately £150 million. We protect and improve the health of millions of people every day through the effective regulation of medicines and medical devices, underpinned by science and research.

Scope

National Institute for Biological Standards and Control (NIBSC)
The institute is a world leader in assuring the quality of biological medicines through product testing, developing standards and reference materials and carrying out applied research. The Biotech Department B31 is a containment level 3 laboratory that supports research to achieve the objectives set out in NIBSC's Science Strategy and Agency's Corporate Strategy 2018 – 2023. Whilst it is a stand-alone containment level 3 laboratory, B31 plays an important role as part of the site wide CL3 facilities and it is located at the far end of the Biotech building, on the north side. It is a single laboratory with a lobby, off the main corridor. **This project is set out to replace the aged air handling unit supporting the containment three laboratory and the Biotech building corridor. The control of the pressure cascade within the building is carried out using the TREND BMS system.** This project is part of the infrastructure –site updating portfolio approved, by SMT as part of the 21/22 capital program to address priority issues at the South Mimms site.

Specification Overview

This project is ideally suitable for a contractor who understands the nitty gritty of utilising TREND BMS system to monitor and control various pressure cascade within a facility and particularly working with containment laboratories (CL3 & CL4) to ACDP standard and regulations. The new air handling unit supply ductwork must include the installation of new dampers – for balancing because existing dampers are in poor condition, at high risk of failure and are manually operated. The contractor shall consider the following dampers; for control – consider CV, VAV, Phoenix); fumigation (something that is serviceable, is preferable) and fire dampers (current ones are in floor slab and present risk to safety, containment and business criticality). Trend controls and parts to be replaced, includes frost stat, frost, heating and cooling coil control valves and actuators; differential pressure switches; all temperature and pressure sensors (including room sensors); pressure alarm indicators, local alarm panels, digital pressure gauges, own dedicated control panel, The contractor must be confident with working within an operational research facility with minimum disruption to operations during the execution stage of the project including pressure balancing.