

Project:	Standby Generator tank
Project No:	T20
CLIENT:	Public Health England Chilton Didcot Chilton OX11 0RQ

Prepared by	Stuart Hosier (Facilities Engineering Officer)
Tender Returns	Monday 16 th March 2020 11:00
Contract Start date	Wednesday 18 th March 2020 11:00
Contract Completion date	Thursday 30 th April 2020

Introduction

Public Health England (PHE) exists to protect and improve the nation's health and wellbeing, and reduce health inequalities. It does this through advocacy, partnerships, world-class science, knowledge and intelligence, and the delivery of specialist public health services. PHE is an operationally autonomous executive agency of the Department of Health.

This specification is to supply and installation requirement of a Standby Generator tank at Public Health England, Chilton, OX11 0RQ.

Site Visits not are not required or accepted

The tender value shall be separated into the following parts:

1. Diesel Storage Tank Supply and Delivery
2. Pipework Supply & Installation
3. Day Tank Controller Supply & Installation
4. Transfer pump Supply & Installation
5. Labour and commissioning

The awarded contractor should fully survey existing before undertaking any alterations.

Tenderers should be able to produce a portfolio of previous installations on request.

Tenderers should be businesses approved by the 'Oil Fired Technical Association' (OFTEC)

Requirement

Allow to supply of 1 x Western EBD2000, 9000L bunded diesel storage tank.

Allow for Hiab delivery of tank to PHE Chilton

Allow to supply and installation 1 x Hytek day tank controller 230v and tank probes to manage fuel delivery to the generators required specification.

Allow for Supply and installation 230v diesel transfer pump with 30-micron water and particle filter. Pump 'Panther 56/72/90'

Allow to supply 28mm diameter feed and return stainless steel pipework between the day tank (generator) and EBD200. Allow for a maximum of 8 metre distancing between generator and tank to be installed.

Allow for any additional materials required for the installations to include

Allow for all commissioning works

Ensure tank installation is compliant to the generator specification and required function

Tank Specification

SPECIFICATION			
Standard Tank Fittings : Offset 2" hard connect fill point complete with locking valve : 2" tank and bund vent : tank and bund sight glass : tank and bund contents gauge : 1" and 1.5" pump feed : 2 x ½" generator feed and return ports : Spare Ports – 4 x 1.5" Socket : 1 x ½" bund and tank socket.			
Capacity Litres:	9000	Bund Material:	S235 (4mm)
Capacity Gallons:	1979	Weight Empty (kg):	2750
Dimensions Length (mm):	2700	Weight Full (kg):	10850*
Dimensions Width (mm):	2300	Design Standards:	BS799 & PPG2
Dimensions Height (mm):	2560	Cabinet Depth:	680mm
Tank Material:	S235 (4mm)		
Notes			
*Specific gravity of diesel taken as 0.9 for this calculation.			

Generator Specification

<https://www.adeltd.co.uk/diesel-generators/generator-pdf/CumminsPDF/C550D5eDataSheet.pdf>

Electrical Works

All Mains installation electrical works is to be provided by others.

Builders Works

All builder works to be supplied by others, to include tank base and trench works. Contractor to advise on award

Defects Liability Period

The defects liability period of 12 months will commence on the date of the successful handover from the contractor to PHE

PHE will not accept the date of the practical completion or date of commissioning as the start date for the defects liability period.

Warranties

The guarantee and defects period should a minimum of 12 months unreserved on workmanship and all new equipment and materials supplied by the contractor.

Any guarantees and warranties should be stated on the tender

Contract Requirements

It can be assumed the existing generator is in good working order and that there is ample space for the new fuel tank to be sited.

It will be the responsibility of the contractor to provide suitable disposal arrangements for waste material including skip hire and waste management to maintain good housekeeping on site throughout the duration of the project.

The contractor must include costs for all mechanical lifting, access and manual handling equipment to facilitate all works.

All waste and redundant equipment should be removed from site with provision of waste transfer documentation provided by a registered waste carrier

No disruption to the generator function should occur, if required this should be requested to PHE Facilities.

Evidence should be given of previous similar natured projects, detailing design, installation and value. There may be a requirement to contact companies to verify this information.

Tenders should assume that there will be no PHE staff, visitors or other contractors in the areas whilst major work is carried out

A management plan as to how the work will be project managed should be provided and a timeline for completion.

A description of your risk management should accompany the tender to highlight risk areas and any associated plans you have in place to minimise such risks.

Any legal requirements for the system must be adhered to and documented on the tender.

Asbestos is present in the building. Full access to the asbestos register will be offered to the contractor.

Contractor is to undertake a full survey of the works to satisfy itself of all necessary requirements.

The Contractor is to provide all accommodation and services if required. Site welfare services facilities will be offered. The Site and the Works are to be kept clean and free from rubbish at all times. Disposal from site, including skips will be the responsibility of the Contractor. Skips can be located within an allocated area

The Works may be undertaken during normal hours. The site working hours are Monday to Friday 07:30 to 17:00 hours.

Any queries relating to the Project Brief or tender documentation should be sent via procurement contact listed.

All calculations should be carried out in accordance with the generator specification

All design work and installation work shall be in accordance with the manufacturer specification.

Site Attendance

The contractor is required to ensure that their employees have suitable work wear, are clean and tidy and shall conduct themselves in a polite and conscientious manner at all times. All contractors undertaking supervision at site require induction with PHE.

A clearly defined company contact should be present at all times to provide a point of contact for PHE facilities and ensure induction of any workers at site

Safety

The contractor shall provide cordoning to prevent any access to the reception area

Specifications for Existing Building Services

Site visits and contractor's own surveys should be the basis of any planned work. Historic records are available on request to PHE CRCE Facilities Management to assist with understanding current installations.

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