

Quotation

Department for Environment Food &
 Rural Affairs (DEFRA)
 Nobel House
 17 Smith Square
 London
 SW1P 3JR

Account Manager: [REDACTED]

Quote No: ETS-35464

Date: 13/04/2023

Valid for: 30 days

Delivery: TBC at call off date (standard delivery ex-works Stroud 12 to 16 weeks)

PROJECT:

Thank you for the opportunity to offer a response to tender reference **C16002** for the **Air Quality Monitoring Site Housing Supply Contract**.

We have pleasure in submitting our quotation for the supply of **Lot 2 cabins** for the period of April 2023 to March 2026 with extension for a further 3 years.

However, we can offer many solutions for the requirement under lot 2:

- An enclosure that meets the tender requirements of enclosure size but has an add on of a L40 gas cylinder external gas storage enclosed area (this is the pricing sheet, priced item).
- An enclosure that meets the tender requirements of enclosure size but has an add on of a L10 gas cylinder external gas storage enclosed area. This is the same enclosure configuration that has been supplied to DEFRA EA for the last few years. This is a cheaper option and has been detailed in our quotations.
- A larger enclosure, but does not meet the tender specification sizes, as it has an integrated gas store, that makes the enclosure longer (width based on door location). The price etc., has been detailed in the quotation.

Item	Description	Qty	Unit Price GBP £	Total Price GBP £
1	LOT 2 LARGE WALK-IN CABIN consisting of:			
1.1	<p>ET PR10 WALK IN ROADSIDE MONITORING ENCLOSURE</p> <p>This enclosure is suitable for a number of analysers which can either be shelf mounted or mounted within a 19" instrument rack (which is not included within the supply) an example enclosure configuration consists of four gas analysers, two PM analysers and three L40/50 gas cylinders. The enclosure is manufactured from glass reinforced plastic with a U value of 0.6. The construction is a sandwich of GRP/18mm core/GRP with a single door. The fire resistance of the panel construction of the enclosure complies with BS476 Part 22, half hour fire resistance (Retention of stability, integrity, and insulation). Fire retardant resin is used to provide self-extinguishing laminates to BS476 Part 7, Class 2 (surface spread of flame).</p> <p>The enclosure has a structural warranty of 2 years from the manufacturer of the GRP housing, but ET will extend this to 5 years as we have had experience of using these types of enclosures for more than 10 years. Maintenance and minor repairs are to be carried out under the AURN ESU contract by the appointed contractor.</p> <p>To include:</p> <p>The enclosure external dimensions are 2000 mm (l) x 1250 mm (d) and internal height of 2150 mm (h) excluding any external fittings, when the enclosure is of: U value of 0.6W/M2C (if the enclosure U factor of 0.3 W/m2K each side of the enclosure will lose an additional 50mm of internal diameter, therefore 100mm, not included). The enclosure is fitted with a single door which has automatic door stays, a cylinder lock as well as additional high and low locking latches complete with a compressive seal. The doors are constructed of 18mm GRP core sandwiching. The enclosure has an internal floor which means the enclosure remains a fully sealed box and therefore water cannot enter the enclosure from the plinth. The enclosure floor has an 18mm thick GRP nonslip membrane, as standard but ET will upgrade this to 36mm using GRP membrane 36mm Ply and non-stick GRP.</p>	1		



	<p>It is possible to mount/fix shelves that can hold 15kg. R10 will have a better than 24dB acoustic performance.</p> <p>The enclosure is easy to transport to site using a vehicle with Hiab crane.</p> <p>Anti-vandal construction, the enclosure has a high gloss finish which helps with the removal of fly posting and spray paint. We have seen people standing on top of the enclosure and therefore we know it will withstand this type of vandalism. Also, the enclosure is bolted to the concrete base which is another consideration we use in our design having a solid floor as the enclosure can be bolted in many places.</p> <p>Exclusive to ET: ET owns the enclosure moulds, so our enclosure is different to any competitor. Our enclosures are a fully encased design with an integrated full floor that does not allow water ingress.</p>			
1.1.1	<p>STANDARD ENCLOSURE COLOUR GREEN (HOLLY) Other colours available at an additional cost (please see options)</p>	1		Included
1.1.2	<p>IMPROVED IP (Ingress Protection) RATING WITH EXTRA HIGH & LOW LATCHES with compression seal.</p>	1		Included
1.1.3	<p>INSTRUMENT BENCH / SHELVES The enclosure is fitted with adjustable multi height shelving, which is adjustable for height and width, depending on the analysers to be fitted in the enclosure, the precise location of the shelving will be confirmed in the final housing specification diagram which is to be signed off by the client before the final assembly of the enclosure. The supplied shelving will be for 4 gas and 2 PM analysers, with additional shelving being able to be fitted as an extra. Note. If 19" instrument rack is required, this will be an additional cost £POA.</p>	2/3		Included
1.1.4	<p>INSULATION U VALUE OF 0.6W/M20C</p>	1		Included
1.1.5	<p>18MM ENCAPSULATED INTERNAL WALL BOARDING</p>	1		Included
1.1.6	<p>REINFORCED FLOOR</p>	1		Included
1.1.7	<p>HIT AND MISS VENTS (pair) We will also fit high and low vents to release any build-up of gas inside the enclosure. However, the air will be changed in the enclosure by opening the door and of natural leakage around the door seals etc. As an option we have given details of an oxygen depletion alarm system. Venting installed shall be in a location that cannot be obstructed by installed or future equipment.</p>	1		Included
1.2	<p>ELECTRICS The internal electrical wiring includes a six-way distribution board with isolator and MCBs. The enclosure will include up to six twin switch socket outlets with RCD protection to provide up to 12 sockets, but this can be discussed before the final enclosure layout is confirmed. The wiring will be mounted in trunking/conduit and the work is carried out using a qualified NICEIC electrician to the latest safety standards (IEE regulations 18th edition). Copies of the electricians' qualifications can be provided. We can also fit internal lighting and an emergency light. The enclosure is supplied with a dead test certificate. Each of the electrical sockets will be labelled.</p>	1		Included
1.3	<p>AIRCON 5KW SIDE MOUNTED + FITTING The enclosure will be fitted with a suitable 5kW split side mounted air</p>	1		Included



	<p>conditioning unit which is sized for FDMS units. The air conditioning unit will also be protected with an enclosure colour mesh cage with a steel sun shield on top and sides.</p> <p>The warranty period on the air conditioning unit is 2 years from the date of manufacturer therefore ET will not purchase the air conditioners for the enclosure until a delivery date is known and agreed and therefore enable us to offer the 2-year air conditioner warranty which has been requested. The warranty covers the repairs of the air conditioning unit and if you wish to protect any other equipment which may be damaged due to an air conditioner failure then you should add an over temperature cut out circuit to the electrical power (please see options).</p>			
1.3.1	<p>AIRCON CAGE 5KW + FITTING</p> <p>The air conditioning cage will be stainless steel metal which is then painted. Although this is not the cheapest method (if you wish to save cost, we can substitute with steel painted air con cover) it will improve the appearance and not rust over.</p> <p>Mesh cage which is used to protect sample inlet for NOx and PM analysers.</p>	1		Included
1.4	<p>INLET CAGE STANDARD FRONT + TOP OPENING stainless steel and painted fitted.</p> <p>The inlet cage is front and top opening for ease of access and is suitable height for an analyser that uses the USEPA, PM10 and PM2.5 inlet heads, this will be a single large cage suitable for the two PM inlets and gas inlet. Any analyser that has a fixed overall inlet height due to its sample conditioner requires an increased inlet cage height which results in additional costs £POA.</p> <p>The overall height of this supplied cage is 750mm and depending on the brand of PM analyser used and its position within the enclosure, a special over height cage may be required.</p>	1		Included
1.5	<p>PTFE SAMPLE SYSTEM for up to 4 analysers</p> <p>The enclosure will be fitted with an inlet gland suitable for either a PTFE narrow tube gas sample system or a 25mm wide gas sample system.</p>	1		Included
1.6	<p>STANDARD GLAND FOR DUST INSTRUMENT and temperature</p> <p>A standard PM inlet gland will be fitted for USEPA inlet heads which can be adapted for other diameters. However, if the PM analyser uses a specialist inlet plate this is to be supplied by the PM supplier. As part of the PM inlet gland, we will also supply an inlet gland for a temperature sensor as most PM analysers have an external measurement system</p>	1		Included
1.7	<p>GAS CYLINDER STORAGE</p> <p>A separate L40 gas cylinder storage shall be designed onto the side of the main structure of the cabin.</p> <p>This will be 800mm wide x 350mm deep x 1950mm high with gas vents and a single door.</p>	1		Included
1.7.1	<p>CYLINDER CLAMP</p> <p>Within the enclosure there is an area to store gas cylinders and we use gas cylinder clamps which are fitted to the side of the enclosure for secure mounting of the cylinders.</p>	3		Included
1.7.2	<p>CALIBRATION LINE consists of a total of up to 5 metres of ¼" PTFE tubing & 1 "T" junction to connect span gas into sample line.</p> <p>Note since 2022. Year 2022 zero is from internal analyser source.</p>	3		Included
1.8	<p>A SAFETY PACK will be fitted to the enclosure consisting of:</p>	1		Included



	Fire Extinguisher (2Kw CO2) First Aid Box (compliant to BS8599)			
1.8.1	TELESCOPIC LADDER AND LADDER RESTRAINTS The telescope ladder has a length of 3.8 metres and complies to EN131-6 with a storage size of 1 metre. The ladder is supplied with a new horizontal base stabiliser bar for improved stability.	1		Included
1.8.2	LADDER BOLT HOLE FIXINGS	1		Included
1.9	LIAISE WITH CMCU 5 hours as detailed per enclosure build which will include 4 CAD (Computer Aided Design) diagrams to cover: - Internal/External layout drawing - Onsite equipment arrangement model - Electrical single line diagram - Electrical layout drawing	1		Included
1.9.1	LIAISE WITH CDC CONTRACTOR 1 hour as detailed per enclosure build	1		Included
1.9.2	ATTEND REGULAR MEETINGS e.g., every 2 weeks for 1 hour for CMCU planning Note. Shared cost across ALL enclosures	1		Included
1.10	PRODUCTION OF RISK ASSESSMENTS AND DELIVERY PLAN (desktop only) consisting of labour for 1 hour	1		Included
1.11	SCOPING VISIT consisting of: ET project engineer to site before delivery to England/Wales (or Scotland / Northern Ireland excluding ferry costs) for a maximum of 2 hours on site	1		Included
1.12	DELIVERY TO ENGLAND/WALES (Scotland / Northern Ireland are excluding ferry costs) The enclosure will be delivered to site using an ET subcontractor and lorry with Hiab crane, (for London deliveries this vehicle will be a ULEZ rated lorry) to lift and deliver the enclosure to ground level. It is the end customers' responsibility to arrange vehicle access, vehicle permissions, red route stopping etc., and is allowed to park next to the proposed air quality station. If evening/weekend deliveries are required (e.g., outside normal working hours), this can be arranged at an additional fee. Note. Subject to site visit and parking vehicle next to AQ Station.	1		Included
1.12.1	SECOND SUBCONTRACTOR TO BE INCLUDED ON VISIT Delivery of housing by subcontractor to include the supply of additional traffic marshal during the delivery of extra-large housing.	1		Included
1.12.2	STAFF COSTS FOR INSTALLATION OF COSTING FITTINGS AT AURN (Automatic Urban and Rural Network) SITE - The enclosure is bolted to the concrete base during the delivery and is not a separate cost.	1		Included in delivery cost
1.13	STORAGE The enclosures can be installed at the Enviro Technology office or alternative Enviro Technology location with the agreement of the Authority/CMCU Project Team for a period of up to 2 years.	1		Included
	TOTAL PRICE: Per enclosure as 1 April 2023 to 31 March 2024 based on an England / Wales delivery and the following years will be at CPI (Consumer Price Index) increase.			per enclosure (England & Wales)
	TOTAL PRICE: Per enclosure as 1 April 2023 to 31 March 2024 based on a Scotland / Northern Ireland (excluding ferry) delivery and the following years will be at CPI (Consumer Price Index) increase.			per enclosure (Scotland & Northern

Registered company address:
Brook Holt, Blackburn Road, Sheffield, South Yorkshire, England, S61 2DW
Registered in England No. 1726773



FM 30232



OHS 587515



EMS 592982



				Ireland)
2	OPTIONS FOR LOT 2 LARGE WALK-IN CABIN consisting of:			
2.1	EXTERNAL GAS STORE FOR L10 GAS CYLINDER BASED ON PR3 ENCLOSURE (instead of L40 gas cylinder as detailed above and within tender specification)	1	■■■■	Option
2.1.1	LARGER OVERALL ENCLOSURE WITH INTEGRATED GAS STORE measuring 2,500mm wide x 1,200mm deep x 2,150 high	1	■■■■	Option
2.2	OXYGEN DEPLETION ALARM SYSTEM consisting of: Wall-mounted, modular oxygen deficiency monitor and warning alarm system, providing continuous monitoring of oxygen concentration in the surrounding air and both visual and audible alarms when these fall outside pre-set levels. Standard Alarm Thresholds Low Oxygen 19.5% oxygen Critically Low Oxygen 18% oxygen. Oxygen monitor unit operates continuously for two years and cannot be switched off, giving maximum user protection. Built-in visual and audible alarms with separate 'low' and 'critical' alarm states. Internal Audible alarm is 85dBA at 30cm Fitted to inside of AQ station	1	POA	Option
2.3	SPECIAL PM INLETS GLANDS These are normally supplied by the manufacturer as part of the supply of the PM2.5 analyser.	1		Option
2.3.1	- FIDAS	0	If not supplied by PM supplier, this will be an extra cost	
2.3.2	- GRIMM	0	Supplied with the EDM280	
2.4	OVER TEMPERATURE CUT OUT CIRCUIT to the electrical power Add an over temperature cut out circuit to the electrical power.	1	■■■■	Option
2.5	CHANGES TO ELECTRICAL SOCKETS TO HAVE INDIVIDUAL RCD PER SOCKET This will require a change to distribution board to a split board, and each individual double socket will be fitted with an RCD (e.g., 6 double RCD (Residual Current Device) sockets for 12 electrical outlets). The material costs will be increased, and a more detailed electrical diagram will be required. Note. ET would not recommend this method, as it could increase the number of LSO callouts due to false electrical tripping.	1	■■■■	Option
2.6	ENCLOSURE COLOUR UPGRADE	1	■■■■	Option
2.7	SPECIAL FINISH such as: - Enclosure wrapping - Simulated wood finish - Clad with real wood	1	POA	Option
2.8	INCREASED INLET CAGE HEIGHT AND SIZE	1	POA	Option
2.9	SAFETY KIT additional items: Emergency Light	1	POA	Option
2.10	SLOPING TOP SECTION FOR AIRCON CAGE (depends on site location)	1	POA	Option

Registered company address:
Brook Holt, Blackburn Road, Sheffield, South Yorkshire, England, S61 2DW
Registered in England No. 1726773



FM 30232



OHS 587515



EMS 592982



	Stainless steel and painted			
2.11	BOTTOM SECTION UNDER AIRCON CAGE FOR A 5KW SPLIT AIRCON (depends on site location) Stainless steel and painted	1	POA	Option
2.12	INTEGRATED CLIMATE CONTROL SYSTEM TESTING	1	To be quoted once scope of work has been agreed	Option
2.13	LADDER BOLT FITTINGS Second set of fittings	1	POA	Option

STAFF AND RESOURCES:

Onsite work, travel time, and office-based work

Nominal Grade	FY23/24	FY 24/25	FY25/26	FY 26/27	FY 27/28	FY 28/29
Technician / Driver / Administration	████	+CPI	+CPI	+CPI	+CPI	+CPI
Skilled Engineer	████	+CPI	+CPI	+CPI	+CPI	+CPI
Project Manager / Director	████	+CPI	+CPI	+CPI	+CPI	+CPI

FOR SITE WORK:

TRAVEL COSTS PER MILE BASED ON DEFRA RATES

£ / mile	FY23/24	FY 24/25	FY25/26	FY 26/27	FY 27/28	FY 28/29
Cost (per mile) each way	████	+CPI	+CPI	+CPI	+CPI	+CPI
Fee for 200-mile trip each way						
TOTAL	████	+CPI	+CPI	+CPI	+CPI	+CPI

EXPENSES

Per day / night	FY23/24	FY 24/25	FY25/26	FY 26/27	FY 27/28	FY 28/29
DEFRA rates	Various (depending on location)	+CPI	+CPI	+CPI	+CPI	+CPI
TOTAL	Various	+CPI	+CPI	+CPI	+CPI	+CPI

REMOVE ANALYSERS FROM EXISTING ENCLOSURE

Labour only (mileage is not included)

Onsite	FY23/24	FY 24/25	FY25/26	FY 26/27	FY 27/28	FY 28/29
--------	---------	----------	---------	----------	----------	----------

Registered company address:
Brook Holt, Blackburn Road, Sheffield, South Yorkshire, England, S61 2DW
Registered in England No. 1726773



FM 30232



OHS 587515



EMS 592982



Based on:		+CPI	+CPI	+CPI	+CPI	+CPI
- ET A/C Engineer on site for 1 hour						
- ET Service Engineer on site for 3 hours						

REINSTALL ANALYSER IN NEW ENCLOSURE:

Labour only (mileage not included)

Onsite	FY23/24	FY 24/25	FY25/26	FY 26/27	FY 27/28	FY 28/29
Based on:		+CPI	+CPI	+CPI	+CPI	+CPI
- Scope to be provided	(based on 4 hours work)					

Enviro Technology Terms & Conditions

Prices : Excluding VAT

Payment : 14 days based on milestone invoicing

Yours sincerely

Mike Webley
Director

Email: [REDACTED] **DDI:** [REDACTED] **Mobile:** [REDACTED] **Website:** www.et.co.uk

ET Terms & Conditions (for equipment sales quotations)

In addition to our standard business terms and conditions:

<https://www.et.co.uk/terms-and-conditions-provision-goods-services>

The following additional terms and conditions are applicable for the delivery, installation and commissioning of enclosures and equipment on a customer site, as well as any storage of any customer equipment at Enviro Technology's premises. Therefore, customers placing purchase orders with Enviro Technology Services Ltd will be deemed to have agreed to these additional terms and conditions of sale at the time of quotation review, acceptance and order placement.

Delivery

When the equipment is ready for delivery the client will be contacted and a delivery date will be agreed and scheduled. If the Customers site is not ready, Enviro Technology Services Ltd will offer to store the goods at its offices on a free of charge basis for a maximum of 1 month, after which time storage fees as detailed in 5a and 5b of our storage policy will apply and will be charged. For goods held in storage following on from being made available for delivery, it will be deemed that the equipment has been delivered to the customer and the invoice for the equipment will be issued and it will become payable under the payment terms.

Enviro Technology Services Ltd may be able to issue vesting certificates at additional if so required, and an additional charge may be made if additional insurance cover is necessary.

Our storage policy can be accessed at: <https://www.et.co.uk/assets/resources/sa-01-customer-goods-storage-policy-may-2020.pdf>

*Civil works

The organisation and provision of any civil works necessary for the delivery, installation and commissioning of enclosures or any other equipment supplied by Enviro Technology Services Ltd is strictly the responsibility of the client. These civil works may include concrete bases and pads for enclosures to be fixed down to as well as the need for any access pathways and security fencing if necessary. Enviro Technology will provide the client with all relevant and system specific

Registered company address:
Brook Holt, Blackburn Road, Sheffield, South Yorkshire, England, S61 2DW
Registered in England No. 1726773



FM 30232



OHS 587515



EMS 592982



information (i.e. enclosure base diagrams) that may be necessary for the arrangement and provision of civil works ahead of the enclosure/equipment delivery.

*Electrical works

The organisation and provision of any electrical installation works necessary for the delivery, installation and commissioning of enclosures or any other equipment supplied by Enviro Technology Services Ltd is strictly the responsibility of the client. The client will also be responsible for connection of the electrical services to the enclosure and ensuring that the power is switched on prior to Enviro Technology commissioning the equipment at the site. Enviro Technology will provide the client with all relevant and system specific electrical information that may be necessary for the arrangement and provision of electrical works ahead of the enclosure/equipment delivery.

*Traffic/pedestrian management

Any specific traffic and pedestrian management requirements and permissions that need to be put in place ahead of or on the day of analyser/enclosure/equipment delivery and installation at site, are strictly the responsibility of the client. Enviro Technology Services Ltd is not qualified, authorised or insured to arrange or carry out any traffic/pedestrian management works, but will provide the client with all relevant and system specific information that the client may require in order to obtain any necessary permissions and comply with any local (or national) traffic/pedestrian health and safety management requirements.

NOTE: **NOTE In exceptional circumstances, ET may be able to arrange/sub-contract these works at additional cost.*

Gas Cylinders

For new project installations.

If not covered by an all-inclusive service contract with Enviro Technology, calibration gas cylinders that are provided by ET as part of our scope of supply for UK deliveries may be subject to monthly cylinder rental charges levied by the gas cylinder manufacturing companies. If so, the cylinder rental charges start when the cylinders are delivered to ET. Therefore, ET orders gas cylinders that form part of a project on a "just in time basis" only when the customer confirms in writing that the installation site is fully ready for ET to make arrangements for the delivery, installation and commissioning of the project.

Should subsequent delays that are outside of ET's control occur after the customer has confirmed that the site is ready for installation, ET will invoice for the gas cylinder rental charges that accrue plus a handling fee until the time that the site delivery, installation and commissioning takes place.

For service contracts.

When calibration gas is included in the cost of an ET Service Contract, if the rented gas cylinders are not released to ET at the end of the service contract (within 7-days), we will invoice [REDACTED] per cylinder for the transfer of the cylinder to the customer's ownership.

Waste Electrical and Electronic Equipment Regulations 2013 (WEEE)

Enviro Technology Services Ltd (ET) is a registered member of the Transform WEEE Compliance Scheme (Producer Registration Number: WEE/GA0223XV). A copy of Certificate of Registration is available to view on our website www.et.co.uk

Please note that monitoring equipment supplied by ET falls into Category 9 (Monitoring and Control Equipment) of the 2013 WEEE regulations. End-users of ET monitoring equipment are therefore reminded of their responsibilities of financing the cost of disposal of ET supplied products when they come to the end of life.

ET can also arrange for authorised WEEE collection and disposal at additional cost if required. In accepting ET's Terms and Conditions of Sale and placing POs with ET, end-users are contractually obliged to dispose of end-of-life ET supplied products under the requirements of the WEEE Regulations and at their own cost.

GDPR

Please take the time to view our Marketing Statement and Privacy Notice in accordance with the new GDPR regulations <http://www.et.co.uk/assets/resources/we-take-data-protection-very-seriously-and-have-updated-our-privacy-notice-in-line-with-the-new-pdf>