



Ministry
of Defence

Iain McLean
Def Comrcl CC-HOCS 3a

Level 2, Kentigern House
65 Brown Street
Glasgow, G2 8EX

Tel: 0141 224 2681
Email: iain.mclean118@mod.gov.uk

Frazer-Nash Consultancy Ltd
1 Lower Lamb Street
Bristol
BS1 5UD

Your Reference:

Our Reference:
700000446

Date:
23 November 2018

Dear Sirs,

Contract Number 700000446 for the Provision of the Novel Weapons Pre-Concept Programme – Procurement and Support

FATS 5 Filter 5 – WOME Engineering

1. The Authority hereby accepts Part of your Tender reference: **700000446** dated **7 November 2018**.
2. For your convenience, the Terms and Conditions of the Contract which will result from this acceptance are attached.
3. Payment will be made in accordance with the attached Terms and Conditions. If your company has not already provided its banking details to the Defence Business Services (DBS) Finance Branch, please complete the Form BX177, which is available from the website (<https://www.gov.uk/government/organisations/ministry-of-defence/about/procurement>) (search for DBS Finance payments: nominate a bank form) and forward to DBS Finance, Walker House, Exchange Flags, Liverpool, L2 3YL.
4. Please acknowledge this by completing sections B and C in the table overleaf, signing both copies of this letter at section B and returning one to the address above.

Yours faithfully,

Iain McLean
Def Comrcl CC-HOCS 3a

DOCUMENT CLASSIFICATION

Offer and Acceptance	
Section A) Acceptance Acceptance of Tender 700000446 constitutes acceptance by the Authority of your company's tender 700000446 for the supply of the Deliverables. Signed by: Name (Block Capitals): IAIN MCLEAN Position: Commercial Manager For and on behalf of the Authority Authorised Signatory Date ¹ : 23 November 2018	Section B) Confirmation of Receipt I acknowledge receipt of the Authority's Contract letter no. 700000466 . Signed by: Name (Block Capitals): Position: For and on behalf of Authorised Signatory Date:
Section C) Tier 1 Sub-Contractor data:² Name value of work (£ ex VAT) Location Of work..... SME ...Yes / No Name value of work (£ ex VAT) Location Of work..... SME ...Yes / No Name value of work (£ ex VAT) Location Of work..... SME ...Yes / No Name value of work (£ ex VAT) Location Of work..... SME ...Yes / No Name value of work (£ ex VAT) Location Of work..... SME ...Yes / No	

¹ The date of unqualified acceptance by signature is the effective date of the Contract

² The MOD is required to report to the Government any spend with Small and Medium-sized Enterprises (SMEs) including sub-contractors (Tier 1). SMEs are defined by the EU on http://ec.europa.eu/enterprise/policies/sme/facts-figures-analysis/sme-definition/index_en.htm

Please reply to the Commercial Branch named in the heading quoting the Contract Number on all correspondence.

Schedule 3 (Tasking Form)

DRAFT/FINAL/AMENDMENT (DELETE AS APPROPRIATE)

Tasking Identification

Unique Tasking Order Number	700000446	Version No. & Date	V1 19/09/18
FATS Business Case Number	Original FBC FBC6999 Amendment FBC (FATS team supplied)	Supplier Reference Number	FNC 59998-197323V
Project / Equipment for which task is in support		UOR	
Task Title	The Novel Weapons Pre-Concept Programme – Procurement and Support		
Filter Name and Number:	5. WOME Engineering		

Please refer to FATS Customer Guidance for definition of Work Category

Directorate & PT / Organisation Title	FMC-WECA	Supplier Name	Frazer-Nash Consultancy Ltd
PT Leader/ Project Manager		Post	
Post		Address	1 Lower Lamb Street
Address	Level 3, Zone 7		Bristol
	MoD Main Building,		
	Whitehall, London		
Postcode	SW1A 9HB	Postcode	BS1 5UD
Telephone / Fax No		Telephone / Fax No	0117 9226242
E-mail		E-mail	
UIN & RAC		CPV Code	

Date Draft Tasking Issued 11/10/18

Deadline for Authority's receipt of Tenderer's response to the Draft Tasking 08/11/18

1. Schedule of Requirements

Brief summary of requirement – expand/delete rows as appropriate (full details appear below in the Statement of Requirement)

Item No	Description	Firm Price £ (Ex VAT)
1	The Novel Weapons Pre-Concept Programme – Procurement and Support	

STATEMENT OF REQUIREMENT

Unique Tasking Number <div style="text-align: center;">700000446</div>	Issue Number & Date <div style="text-align: center;">V1 19/09/18</div>	Supplier Reference Number:
Task Title: The Novel Weapons Pre-Concept Programme – Procurement and Support		
Brief Description of Task (or see attached detailed Statement of Requirement): <p>The Novel Weapon Pre-Concept Programme (NW PCP) intends to address the expected challenges associated with selecting from current procurement and support models for future Novel Weapon equipment programmes. In addition, the understanding surrounding how NW will impact this area is minimal and the NW PCP intends to identify the best approach to procuring and supporting NW that allows defence to fully capitalise on the rapid technology development in this area.</p> <p>A competent, unbiased and technically educated independent party is required to analyse existing procurement and support models and select promising combinations for NW concepts. The suitability of these combinations and their associated risk and issues will be analysed and mitigations for these will also be developed.</p>		
Background/Justification: <p>The FMC – Strat Progs – WECA – Novel Weapon (NW) team was established in late 2017. Since then, the team has initiated a comprehensive programme of activity, approved by the NW SRO (Hd WECA). The Novel Weapon Pre-Concept Programme (NW PCP), which spans 4 FY (commenced FY 17/18), aims to get Defence business ready and prepare for the introduction of Directed Energy Weapons (DEW) into core. There are some unique challenges, across the Defence Lines of Development (DLODs), associated with introducing DEW as a military capability as part of the UK's inventory. The NW PCP intends to address these challenges and generate the evidence, understanding and confidence required so that Defence can appropriately consider DEW, alongside conventional weapons, at balance-of-investment decisions. To meet its objectives, the NW PCP is engaging heavily across Defence with DE&S, FLCs and DSTL and coordinating Defence's Novel Weapon activities from the Centre.</p> <p>However, in this instance, the expertise to undertake this task does not reside in-house and independent support is required to ensure that this critical programme activity is undertaken, delays are not introduced into the programme and risk is not injected in at this early point; ensuring no impact on future military capability. To ensure VFM, the secondary objective of this task is to generate the skills in-house so that subsequent tasks and activities of this nature can be conducted without third party support. This will be done in two ways – firstly, during the activity itself, in-house resource will work alongside the suppliers and secondly, successful suppliers will be required to produce digestible, clear and useful reports and deliverables that can be distributed and circulated amongst key departments to provide educational material; developing the corporate knowledge and skills required for next time. Failure to initiate this work will significantly impact the capability of the NW PCP to meet its timelines. Ultimately, it will delay the production of the evidence and understanding required to allow defence to appropriately consider Novel Weapons at future BOI decisions; and as a result, delaying their possible introduction as a military capability.</p>		
Activities to be Undertake: <p>Requirement: A competent, unbiased and technically educated independent party is required to initiate this package of work. The successful supplier will be required to:</p> <ol style="list-style-type: none"> 1. Develop a comprehensive matrix populated with the most appropriate and promising combinations of existing procurement and support models 2. Analyse the suitability of these selected model combinations and identify their associated NW procurement and support risks and issues and potential mitigations 		

Options:

1. Apply the selected mitigations and repeat the suitability analysis. Modify the procurement and support model matrix accordingly.
2. Develop the Novel Weapons key procurement and support principles

Deliverables:

1. The NW procurement and support matrix along with a summary report on the identified risks and issues and mitigations.

Mid-project progress report and presentation (Mid-December 2018).

Deliverables: (insert here or below Key Deliverables template)

See Key Deliverables template (TBC)

Acceptance/Rejection criteria / provisions

Acceptance:

Rejection:

Key Project Indicators (KPIs) and Performance Management Requirements

Government Furnished Assets (GFA) (List all GFA applicable to the task in accordance with DEFCON 611 (Edn 02/16) & 694 (Edn 03/16))

Additional Quality Requirements & Standards:

Timescale: ASAP

Commencement Date:

Work must be completed in FY18/19

Delivery Date: by April 2019

Project Manager:

Signature:

Date:

2. Order Conditions

All conditions of the framework shall apply as supplemented by the terms selected below. The two sets of conditions become a binding contract at the time of signature on the Schedule.

Type of Contract	
Competitive	<input checked="" type="checkbox"/>
Competitive Award Criteria	MEAT
Weightings	70/30
Reverse Auction used?	<input type="checkbox"/>
Single Source	<input type="checkbox"/>

General Conditions			
DEFCON 624 (Edn 04/10) – Use of Asbestos in Arms, Munitions or War Materials	<input type="checkbox"/>	DEFCON 603 (Edn 10/04) – Aircraft Integration and Clearance Procedure	<input type="checkbox"/>
DEFCON 176A (Edn 06/08) - MOD Requirements For Competition In Subcontracting (Non-Competitive Main Contract)	<input type="checkbox"/>	Additional Conditions <i>A sheet is to be attached detailing any conditions that have been added</i>	<input type="checkbox"/>
DEFCON 514A (Edn 03/16) Failure of Performance under Research and Development Contracts	<input type="checkbox"/>		

Special Indemnity Conditions	
DEFCON 661 (Edn 10/06) – War Risk Indemnity	<input type="checkbox"/>
DEFCON 661A (Edn 05/02) – War Indemnity Risk (Alternative Version)	<input type="checkbox"/>
DEFCON 684 (Edn 01/04) – Limitation upon Claim in Respect of Aviation Products	<input type="checkbox"/>
DEFCON 638 (Edn 12/08) – Flights Liability and Indemnity	<input type="checkbox"/>

Pricing Conditions Required	
Firm Priced at Outset (this applies to all tasks other than by exception)	<input checked="" type="checkbox"/>
For single source tasks valued below £5M, the following conditions shall apply: DEFCON 127 (Edn 12/14) – Price Fixing Condition for Contracts of a Lesser Value DEFCON 800 (Edn 12/14) – Qualifying Defence Contract DEFCON 801 (Edn 12/14) – Amendments to Qualifying Defence Contracts – Consolidated Versions. DEFCON 802 (Edn 12/14) – QDC – Open Book on sub-contracts that are not Qualifying Sub-Contracts. DEFCON 803 (Edn 12/14) – QDC: Disapplication of Protection against Excessive Profits and Losses (PEPL) DEFCON 804 (Edn 12/14) – QDC: Confidentiality of Single Source Contract Regulations	<input type="checkbox"/>

Pricing Conditions Required	
Information. DEFCON 811 (Edn 12/14) – Single Source: Profit and Loss sharing on FIRM/FIXED Price Contracts. DEFCON 812 (Edn 04/15) – Single Source Open Book DEFCON 815 (Edn 04/15) – Contract Pricing Statement – Single Source Non-qualifying contracts	
Exceptionally, if other than Firm Priced at Outset (<i>include additional conditions in attachment & complete Appendix 4</i>)	<input type="checkbox"/>

Payment Terms*(Use of CP&F and Payment on Completion are the default)*

DEFCON 522 (Edn 18/11/16)	<input checked="" type="checkbox"/>	Milestone/Stage Payments (see DEFCON 649 (Edn 07/99) below)	<input type="checkbox"/>
DEFCON 5J (Edn 03/15) – Unique Identifiers	<input type="checkbox"/>	DEFCON 649 (Edn 07/99) – Vesting (applicable to Tasks with deliverables where provision has been made for milestone/Stage payments in advance of completion)	<input type="checkbox"/>
DEFCON 129 (Edn 07/08) – Packaging (For Articles other than Ammunition & Explosives)	<input type="checkbox"/>		
OGD Payment Arrangements <i>For tasks placed by other Government departments, please provide full details of the payment procedure to be followed, as an attachment to this tasking form.</i>			<input type="checkbox"/>

Milestone/Stage Payments (Expand table as appropriate)		Due Date	%	Value £k (ex VAT)
Milestone/Stage No	Key Deliverable			
1	Completion of Phase 1	31 Jan 19	46.3	
2	Completion of Phase 2	28 Feb 19	27.8	
3	Completion of Phase 3	29 Mar 19	25.9	
4				
5				
6				
7				
8				
9				
10				
FINAL (Payment should be subject to a reasonable retention based on % of total cost)	Satisfactory delivery of all work under the contract			

Intellectual Property Rights

Completion of this section is **mandatory**. Select the appropriate condition(s) by ticking the boxes below after consulting FTS/STS Customer Guidance or with DIPR, if appropriate. In the event that no boxes are ticked in this section (Intellectual Property Rights), all intellectual property generated under the Task shall be subject to the terms of DEFCON 703.

DEFCON	Tick	As Applicable	Tasking Order Line Item (tick as appropriate)
<u>If DEFCON 703 does not apply then select either:</u>			
DEFCON 705 (Edn 11/02)	<input type="checkbox"/>	All <input type="checkbox"/>	<input type="checkbox"/> The following Item Nos. only (insert below)
<u>OR:</u>			
DEFCON 14 Edn 11/05, 15 21, 126 Edn 11/06 & DEFFORM 315	<input type="checkbox"/>	All <input type="checkbox"/>	<input type="checkbox"/> The following Item Nos. only (insert below)
DEFCON 14 Edn 11/05, 16 Edn 10/04, 21 & DEFFORM 315	<input type="checkbox"/>	All <input type="checkbox"/>	<input type="checkbox"/> The following Item Nos. only (insert below)
DEFCON 14 Edn 11/05, 90 Edn 11/06 & 126 Edn 11/06)	<input type="checkbox"/>	All <input type="checkbox"/>	<input type="checkbox"/> The following Item Nos. only (insert below)
DEFCON 14 (Edn 11/05), 91 (Edn 11/06) & 126 (Edn 11/06)	<input type="checkbox"/>	All <input type="checkbox"/>	<input type="checkbox"/> The following Item Nos. only (insert below)
Other, as specified in a special IPR condition to be applied to the Tasking Order	<input type="checkbox"/>	All <input type="checkbox"/>	<input type="checkbox"/> The following Item Nos. only (insert below)
No intellectual property conditions apply (refer to DIPR before ticking this box).			<input type="checkbox"/>

Issue of Government Stores

DEFCON 23 (Edn 08/09)* – Special Jigs, Tooling and Test Equipment	<input type="checkbox"/>
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Controlled Information

Issue of Controlled Information (subject Condition 50 of Schedule 1)	<input type="checkbox"/>
(if ticked then list Controlled Information and attach list to Tasking Form)	

Payment of Customs Duty – select one box only

DEFCON 619A (Edn 09/97) - Customs Duty Drawback	<input type="checkbox"/>	Issue of Certificate in accordance with EU (Council) Regulation 150/2003	<input type="checkbox"/>
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Progress Reports

If ticked, progress reports must utilise the current version of DRRS Format Standards for Scientific and Technical Reports Prepared for the United Kingdom Ministry of Defence.	<input type="checkbox"/>	DEFCON 642 (Edn 06/14) – Progress Meetings	<input type="checkbox"/>	Frequency required	
Brief Description					

Transport – select one box only

DEFCON 621A (Edn 06/97) – Transport (if the Authority is responsible for transport)	<input type="checkbox"/>	DEFCON 621B (Edn 10/04) – Transport (if the Contractor is responsible for transport)	<input type="checkbox"/>
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Quality Assurance Conditions

According to the product or scope of the work to be carried out, the Contractor shall meet the requirements of:

AQAP 2110 – NATO Quality Assurance Requirements for Design, Development and Production	<input type="checkbox"/>
Deliverable Quality Plan requirements	
DEFCON 602A (Edn 12/06) - Quality Assurance with Quality Plan	<input type="checkbox"/>
DEFCON 602B (Edn 12/06) - Quality Assurance without Quality Plan	<input type="checkbox"/>
AQAP 2105 – NATO Requirements for Delivering Quality Plans	<input type="checkbox"/>
Software Quality Assurance requirements	
AQAP 2210 – NATO Supplementary Software Quality Assurance Requirements to AQAP 2110	<input type="checkbox"/>
Air Environment Quality Assurance requirements	
Def. Stan. 05-100 – Ministry of Defence Requirements for Certification of Aircraft for Authorised Flight and Ground Running (Mandatory where flying and/or ground running of issued aircraft is a requirement of the Task)	<input type="checkbox"/>
Relevant MAA Regulatory Publications (See attachment for details)	<input type="checkbox"/>
Additional Quality Requirements (See attachment for details)	<input type="checkbox"/>

Warranty

Express Warranty (See attachment for details)	<input type="checkbox"/>	Warranty – remedies implied by general law	<input type="checkbox"/>
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Security

DEFCON 659A (Edn 11/14) – Security Measures	<input type="checkbox"/>
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3. Price

TOTAL CONTRACT PRICE	TYPE OF PRICING
	FIRM

4. Authority Tasking Order Commercial Officer Authorisation

Name			
Position			
Signature			
Date	23 November 2018	Telephone Number	0141 224 2681

5. Acknowledgement by supplier

Name			
Position			
Signature			
Date	Telephone Number		

6. Record of Authorised Changes

CHANGE ISSUE NUMBER	DATE OF ISSUE	COMMENTS / REASON FOR CHANGE

7. Final Administration

On receipt of the tasking acknowledgement from the Contractor, the **Authority's Commercial Manager (who placed the task)** must send a copy of the acknowledged final tasking order form together with a completed DEFFORM 57 AND DEFFORM 111 (Edn 07/12) to:

DBS Finance
Walker House
Exchange Flags
Liverpool
L2 3YL

For OGDs Only

A copy of the acknowledged final tasking form must be sent by the **Authority's Commercial Manager (who placed the task)** and by the Contractor electronically to the FATS Team at the following address:

defcomrclcc-fatscases@mod.uk

Def Comrcl CC-TechSpt1c
Poplar 1 #2119
MOD Abbey Wood South
Bristol
BS34 8JH

FATS Task Addresses and Other Information - Appendix 1

DEFFORM 111

1. Commercial Officer

Name:

Address: Kentigern House, 65 Brown Street, Glasgow G2 8EX

Email: ☎

2. Project Manager, Equipment Support Manager or PT Leader (from whom technical information is available)

Name:

Address FMC-WECA, Level 3, Zone 7, MoD Main Building, Whitehall, London SW1A 9HB

Email: ☎

3. Packaging Design Authority Organisation & point of contact:

N/A

(Where no address is shown please contact the Project Team in Box 2)

☎ N/A

4. (a) Supply / Support Management Branch or Order Manager:

Branch/Name: N/A

☎ N/A

(b) U.I.N. N/A

5. Drawings/Specifications are available from N/A

6. Intentionally Blank

7. Quality Assurance Representative: NYK

Commercial staff are reminded that all Quality Assurance requirements should be listed under the General Contract Conditions.

8. AQAPS and DEF STANs are available from UK Defence Standardization, for access to the documents and details of the helpdesk visit <http://dstan.uwh.dif.r.mil.uk/> [intranet] or <https://www.dstan.mod.uk/> [extranet, registration needed].

9. Consignment Instructions The items are to be consigned as follows: N/A

10. Transport. The appropriate Ministry of Defence Transport Offices are:

A. DSCOM, DE&S, DSCOM, MoD Abbey Wood, Cedar 3c, Mail Point 3351, BRISTOL BS34 8JH

Air Freight Centre

IMPORTS ☎ 030 679 81113 / 81114 Fax 0117 913 8943

EXPORTS ☎ 030 679 81113 / 81114 Fax 0117 913 8943

Surface Freight Centre

IMPORTS ☎ 030 679 81129 / 81133 / 81138 Fax 0117 913 8946

EXPORTS ☎ 030 679 81129 / 81133 / 81138 Fax 0117 913 8946

B.JSCS

JSCS Helpdesk No. 01869 256052 (select option 2, then option 3)

11. The Invoice Paying Authority

Ministry of Defence, DBS Finance, Walker House, Exchange Flags Liverpool, L2 3YL

☎ 0151-242-2000 Fax: 0151-242-2809

Website is: <https://www.gov.uk/government/organisations/ministry-of-defence/about/procurement#invoice-processing>

12. Forms and Documentation are available through *:

Ministry of Defence, Forms and Pubs Commodity Management PO Box 2, Building C16, C Site, Lower Arncott, Bicester, OX25 1LP (Tel. 01869 256197 Fax: 01869 256824)

Applications via fax or email: DESLCSLS-OpsFormsandPubs@mod.uk

*** NOTE**

1. Many DEFCONs and DEFFORMs can be obtained from the MOD Internet Site:

<https://www.aof.mod.uk/aofcontent/tactical/toolkit/index.htm>

DEFCONS: <https://www.aof.mod.uk/aofcontent/tactical/toolkit/content/defcons/defcon.htm>

<https://www.aof.mod.uk/aofcontent/tactical/toolkit/content/defcons/archive.htm>

DEFFORMS: <https://www.aof.mod.uk/aofcontent/tactical/toolkit/content/defforms/defelec.htm>

Archived DEFFORMS: https://www.aof.mod.uk/aofcontent/tactical/toolkit/content/defforms/defelec_archive.htm

SC1A <http://aof.uwh.diif.r.mil.uk/aofcontent/tactical/toolkit/content/stancon/template1a.htm>

SC1B <http://aof.uwh.diif.r.mil.uk/aofcontent/tactical/toolkit/content/stancon/template1b.htm>

SC2 <http://aof.uwh.diif.r.mil.uk/aofcontent/tactical/toolkit/content/stancon/template2.htm>

2. If the required forms or documentation are not available on the MOD Internet site requests should be submitted through the Commercial Officer named in Section 1.

Appendix 2 to Schedule 3 (Confidentiality Agreement)

The provisions of this Clause are supplemental to DEFCON 531

1. Both DEFCON 531 and the provisions of this Clause apply to:

- (A) This Tasking;
- (B) Any Information disclosed by either party prior to the issue of a draft Tasking and in contemplation of Work being placed by the Authority under a Tasking; and
- (C) Any Tasking placed under this Agreement, provided that Information provided to a party for the purpose of Tendering for a Tasking shall only be used for that Tendering purpose, and Information provided to a party for performing a Task placed on it under this Agreement shall only be used for the performance of that Task.

2. Subject to its requirements of continued access to Information necessary to exercise its rights of disclosure and use hereunder including under any Tasking Order, and to the obligations set out herein in respect of any Controlled Information (Definition in Clause 42 Schedule 1), the recipient of any Information shall:

- (A) Upon the expiry or termination of the Agreement; or
- (B) Upon the expiry or termination of any Tasking Order (for the purposes of which Information is disclosed); or
- (C) If the Authority decides not to proceed with the issue of a Tasking Order (for the purposes of which Information is disclosed),

in accordance with any reasonable directions given and/or a reasonable request made by the other party promptly:

- (1) Return to the other party the Information and all copies thereof; or
- (2) Take such other measures in respect of the Information and all copies thereof as may be required elsewhere in the Tasking Order.

3. The provisions of DEFCON 531 and of this Clause shall survive the expiry or termination of the Agreement or any Tasking Order in accordance with 2(A) or 2(B) or the decision not to proceed in accordance with 2(C).

Appendix 3 to Schedule 3 (Price Summary)

Supplier price summary: To be completed by the supplier in support of a quotation provided in response to an ITT for the requirement captured on the above Draft Tasking Order Form. Rates used shall be on accordance with the provisions of Clauses 13-14 of Schedule 1.

1. To:

2. From:

Date of submission:

In response to your request for a quotation
reference FTS5/

Dated

*The work can be undertaken and our detailed response is attached. ☐

*We are unable to provide the resources/deliverables identified on this occasion. ☐

(* Check box as appropriate)

Signed:

Name: (Block Capitals)

Date:

2. Task title:

3. Unique Reference Number:

4. Start Date:

Completion Date:

5a. Quotation

Broad Capability Area No.	Grade	Hourly rate quoted at ITT	Hourly rate quoted for this task	Reduction on original ITT rate	No of Hours	Total
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5b. Travel

Unit cost

Number of Journeys / Miles

Total

Rail
Motor Mileage
(max price per mile)
Air
Sea
£ (inc VAT)

Estimated expenditure on:

Unit cost

Number of Night/Days

Total

5c. Subsistence

Accommodation

Meals

Misc (please state below)

The above T&S costs relate to the period to

5d. Other
Costs

Sub-contractor Price

Sub-Contractor Details

Materials

Other (Please provide details
below)

Description

Cost

Total Price

Appendix 4 to Schedule 3 (Montreal Protocol Substances)

CFCs - Production of controlled CFCs has stopped.

CFC-11(trichlorofluoromethane)	CFC-211
CFC-12(dichlorodifluoromethane)	CFC-212
CFC-13	CFC-213
CFC-111	CFC-214
CFC-112	CFC-215
CFC-113 (trichlorotrifluoroethane)	CFC-216
CFC-114 (dichlorotetrafluoroethane)	CFC-217
CFC-115 (chloropentafluoroethane)	

The above substances are also used in blends: e.g.

CFC-500 (CFC-12/HFC-152a)

CFC-502 (CFC-115/HCFC-22).

Halons - Production of controlled Halons has stopped.

Halon-1211 (bromochlorodifluoromethane - BFC)

Halon-1301 (bromotrifluoromethane - BTM)

Halon-2402

HBFCs - Production has stopped.

CH ₂ BrF	C ₂ H ₂ F ₂ Br ₂	C ₃ H ₂ F ₄ Br ₃	C ₃ H ₃ F ₂ Br ₃
CHF ₂ Br	C ₂ H ₂ F ₃ Br	C ₃ H ₂ F ₅ Br ₂	C ₃ H ₃ F ₃ Br ₂
CH ₂ FBr	C ₂ H ₃ F ₂ Br ₂	C ₃ H ₂ F ₆ Br	C ₃ H ₃ F ₄ Br
C ₂ H ₂ FBr ₄	C ₂ H ₃ F ₂ Br	C ₃ H ₂ F ₇ Br	C ₃ H ₄ FBr ₃
C ₂ H ₂ F ₂ Br ₃	C ₂ H ₄ FBr	C ₃ H ₂ F ₂ Br ₄	C ₃ H ₄ F ₂ Br ₂
C ₂ H ₃ F ₃ Br ₂	C ₃ H ₂ F ₃ Br ₃	C ₃ H ₂ F ₄ Br ₂	C ₃ H ₄ F ₃ Br
C ₂ H ₄ FBr	C ₃ H ₂ F ₄ Br ₂	C ₃ H ₂ F ₅ Br	C ₃ H ₅ FBr ₂
C ₂ H ₂ FBr ₃	C ₃ H ₂ F ₅ Br	C ₃ H ₂ F ₆ Br	C ₃ H ₅ F ₂ Br
	C ₃ H ₃ F ₃ Br ₄	C ₃ H ₃ F ₄ Br ₃	C ₃ H ₆ FBr

HCFCs - Production to be run down and phased out by 2015.
Certain use controls apply.

HCFC-21	HCFC-141	HCFC-225ca	HCFC-243
HCFC-22	HCFC-141b	HCFC-225cb	HCFC-244
HCFC-31	HCFC-142	HCFC-226	HCFC-251
HCFC-121	HCFC-142b	HCFC-231	HCFC-252
HCFC-122	HCFC-151	HCFC-232	HCFC-253
HCFC-123	HCFC-221	HCFC-233	HCFC-261
HCFC-124	HCFC-222	HCFC-234	HCFC-262
HCFC-131	HCFC-223	HCFC-235	HCFC-271
HCFC-132	HCFC-224	HCFC-241	
HCFC-133	HCFC-225	HCFC-242	

CARBON TETRACHLORIDE (CCl₄) - Production has stopped.

1,1,1-TRICHLOROETHANE (C₂H₃Cl₃) - Production has stopped.

METHYL BROMIDE (CH₃Br) - Production limits apply.

