

Our ref: 29547

Date: 29 June 2020

██████████  
 IPEC LTD  
 Rutherford House  
 Manchester Science Park  
 M15 6SZ

Dear Sirs

**CONTRACT No: 29547 DATED: 29 June 2020**  
**THAMES BARRIER – HIGH VOLTAGE NON-DESTRUCTIVE TESTING**

On behalf of the Environment Agency, I hereby accept the offer contained in your tender reference 29547 dated 16 June 2020 for the above mentioned goods, in accordance with the terms and conditions contained in or referred to in the said tender.

The main details of the accepted tender are shown below:

<b>The Goods</b>	<b>Start Date</b>	<b>Completion Date</b>	<b>Total Price £s (ex VAT)</b>
Thames Barrier - High Voltage Non-Destructive Testing Project	1 July 2020	30 June 2021	The prices & rates stated in the Pricing Schedule.

Contract No 29547 has been allocated to cover this agreement and should be quoted in any subsequent correspondence.

Contract Documentation is enclosed. Please complete and sign the 'Form of Agreement' and return the signed version within seven days of the date of this letter via email. The other copy of the Documentation is for your retention.

Please acknowledge receipt of this letter.

Yours faithfully

██████████  
 ██████████  
**Category Officer**  
**Infrastructure FCRM Team - Defra group Commercial**

Encs. Contract Documentation  
 cc: ██████████ (Environment Agency)

# FORM OF AGREEMENT

**CONTRACT No:** 29547

**ESTIMATED CONTRACT VALUE:** £60,001  
(Exclusive of VAT)

**CONTRACT RELATING TO:** Thames Barrier - High Voltage Non-Destructive Testing

**CONTRACT dated** 29 June 2020 **between:**

- (1) The Environment Agency whose head office at Horizon House, Deanery Road, Bristol, BS1 5AH (“the Agency”); and
- (2) [IPEC Limited] whose registered office is at [2nd Floor, St George’s House, 56 Peter Street, Manchester, M2 3NQ] and whose registered number is [03123703] (“the Contractor”).

IT IS AGREED as follows:

1. The provisions of the following documents form part of this Contract:
  - the attached ‘Conditions of Contract’ — ‘Goods, 2018 (29547)’;
  - the attached ‘Pricing Schedule’ — ‘Version 3: 04/06/2020’;
  - the attached ‘Specification — ‘Version 2 12/06/20’.

and which, in the case of conflict, have precedence in the order listed.

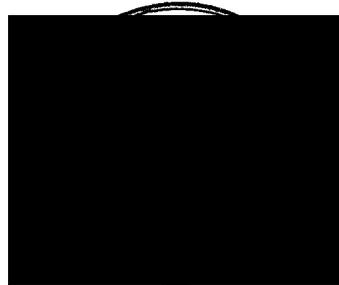
2. In consideration of the Agency’s obligations under this Contract, the Contractor shall complete and deliver to the Agency such Goods and/or Services and/or such Work (as the case may be) as the Agency may order from time to time within the Contract Period in accordance with and subject to, the provisions of this Contract.
3. NO VARIATION TO THIS CONTRACT SHALL HAVE EFFECT UNLESS AGREED IN WRITING BY AN AUTHORISED OFFICER OF THE AGENCY.

Signed for and on behalf of the Contractor:

Signature: [Redacted]

Name: [Redacted]  
(BLOCK CAPITALS)

Position: [Redacted]



Signed for and on behalf of the Agency:

Signature: [Redacted]

Name: [Redacted]  
(BLOCK CAPITALS)

Position: [Redacted]

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# PRICING SCHEDULE

## 1 PRICING - GENERAL

1.1 The prices to be paid for the Goods and Services supplied in accordance with the Contract are as follows:

**Table 1: Pricing & Contract Period**

Item No	Item Description	Start Date	Completion Date	Total Price £s (ex VAT)
1	High Voltage Non-Destructive Testing Equipment & Services - Thames Barrier.	01 September 2020	31 August 2022	The prices & rates stated in Table 2.

1.2 All prices are fully inclusive of all the requirements detailed in the Specification and shall be held fixed for the duration of the Contract.

1.3 All prices payable by the Environment Agency are inclusive of packing, delivery (carriage paid by Contractor), any relevant licence fee and all other charges associated with the Goods.

1.4 All prices shown in the Contract are exclusive of Value Added Tax.

## 2 PRICING

2.1 The prices to be paid for the Goods and Services supplied in accordance with the Contract are as follows:

**Table 2: Pricing**

Item No	Item Description	Qty	Unit	Unit Price £s (ex VAT)	Total Price £s (ex VAT)
2	PrecisePD™ Partial Discharge Testing kit - including PrecisePD™ PD spot testing software, PD mapping software, rugged waterproof Peli™ case, data acquisition, processing PC, long life battery, 2 x CC-TEV & 4 x HFCT sensors, sync transmitter, cable set and iPD transponder.	1	per each	██████	██████
3	PD Detector kit – including PD Detector unit with integrated acoustic and TEV sensors, in-built phase synchronisation system, 1 x PD function tester, 1 x stereo headphones, 1 x PD Detector user manual, 1 x PD Detector mains/car/usb charger and software for mobile app and local PC app (for optional standalone mode).	1	per each	██████	██████
4	PD Training Course – 10 days for up to 8 engineers with sessions in substations operated by UK Power Networks with known PD - including 2 days PD Theory training (level 1 & 2 training, IPEC accredited, certificate issued after course), 5 days PrecisePD (item 1) training (detection methods, data interpretation, PD location, office and on site) and 3 days PD Detector (item 2) training (detection methods, data interpretation, PD location, office and on site).	1	per each	██████	██████



## Conditions of Contract - Goods

Ref: TB - High Voltage Non-Destructive Testing Project

Title: 29547

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## 1. DEFINITIONS

1.1 In the Contract, unless the context otherwise requires the following words and expressions shall have the following meanings assigned to them.

- 1.1.1 The Agency  
The Environment Agency, its successors and assigns.
- 1.1.2 The Appendix  
The Appendix to these Conditions.
- 1.1.3 The Contract  
These Conditions including the Appendix, any Special Conditions, the Specification, Pricing Schedule, Contractor's tender, acceptance letter and any relevant documents agreeing modifications exchanged before the Contract is awarded, and any subsequent amendments or variations agreed in writing.
- 1.1.4 The Contractor  
The person, firm company or body who undertakes to supply the Goods to the Agency.
- 1.1.5 Contract  
The time period stated in the Appendix or otherwise  
Period provided in the Contract, for the delivery of the Goods.
- 1.1.6 Contract Price  
The price exclusive of VAT set out in the Contract for which the Contractor has agreed to supply the Goods.
- 1.1.7 Contract Supervisor  
Any duly authorised representative of the Agency notified in writing to the Contractor for all purposes connected with the Contract. Any Notice or other written communication given by or made to the Contract Supervisor, shall be taken as given by or made to the Agency.
- 1.1.8 Contracting Authority  
Means any contracting authorities (other than the Environment Agency) as defined in regulation 2 of the Public Contract Regulations 2015 (SI 2015/102) (as amended).
- 1.1.9 Contractor Personnel  
Means all directors, officers, employees, agents, consultants and contractors of the Contractor and/or of any sub-contractor engaged in the performance of its obligations under this Contract.
- 1.1.10 Data Protection Legislation  
Means: (i) the General Data Protection Regulation (Regulation (EU) 2016/679) or GDPR, the Law Enforcement Directive (Directive (EU) 2016/680) ("LED") and any applicable national implementing Laws as amended from time to time (ii) the Data Protection Act 1998 ("DPA 1998") and/or the Data Protection Act 2018 ("DPA 2018") to the extent that it relates to processing of personal data and privacy; (iii) all applicable Law about the processing of personal data and privacy.
- 1.1.11 Data Protection Schedule  
The Schedule attached to this Contract describing how the Parties will comply with the Data Protection Legislation.
- 1.1.12 Goods

All Goods detailed in the Specification including any additions or substitutions as may be requested by the Contract Supervisor Where the Contract is for the provision of Goods *and* Services, the words “the Goods” shall mean, where the context allows, to include the Services the Contractor has agreed to provide.

1.1.13 Intellectual Property Rights

All Intellectual Property Rights including without limitation, patents, patent applications, design rights, registered designs, utility models, trade and service marks and applications for same, copyright know-how, rights in semi-conductor chip topography, and in each case whether protectable at law or not, and if protectable, whether an application has been made for such protection or not, and all similar industrial, commercial, monopoly or other intellectual property rights whether present or future, vested or contingent wherever protected.

1.1.14 Law

Means any law, subordinate legislation within the meaning of Section 21(1) of the Interpretation Act 1978, bye-law, enforceable right within the meaning of Section 2 of the European Communities Act 1972, regulation, order, regulatory policy, mandatory guidance or code of practice, judgment of a relevant court of law, or directives or requirements with which the Contractor is bound to comply.

1.1.15 Notice

Any written instruction or notice given to the Contractor by the Contract Supervisor, delivered by:

- i. fax, or hand delivery to the Contractor’s registered office or other address notified for the purposes of the Contract and deemed to have been served at the date and time of delivery.
- ii. First class post to the Contractor’s registered office. Such Notices are deemed to have been served 48 hours after posting.

1.1.16 Permission

Express permission given in writing before the act being permitted.

1.1.17 Regulations

means the Public Contract Regulations 2015 (SI 2015/102) as amended.

1.2 Except as set out above and in the Data Protection Schedule, the Contract shall be interpreted in accordance with the Interpretation Act 1988.

1.3 All headings in these Conditions are for ease of reference only, and shall not affect the construction of the Contract.

1.4 Any reference in these Conditions to a statutory provision will include all subsequent modifications.

1.5 All undefined words and expressions are to be given their normal English meaning within the context of this Contract. Any dispute as to the interpretation of such undefined words and expressions shall be settled by reference to the definition in the Shorter Oxford English Dictionary.

## 2. PRECEDENCE

To the extent that the following documents form the Contract, in the case of conflict of content, they shall have the following order of precedence:

- Conditions of Contract including Appendix, Data Protection Schedule and any Special Conditions;
- Specification;
- Pricing Schedule;
- Drawings, maps or other diagrams.

If these Conditions are used in the production of an order under pre-existing arrangements, then the Conditions of Contract of the pre-existing arrangements shall prevail.

### **3. CONTRACT SUPERVISOR**

The Contractor shall strictly comply with any instruction given by the Contract Supervisor concerning or about the Contract provided such instructions are reasonable and consistent with the nature, scope and value of the Contract. All such instructions shall be in writing. The Contractor is not obliged to comply with any verbal instruction from the Contract Supervisor that is not confirmed in writing within 7 working days.

### **4. GOODS**

The Contractor shall provide all staff, equipment, materials and any other requirements necessary for the performance of the Contract to the standard in the Specification, within the time period specified in the Appendix, using reasonable skill, care and diligence, and to the reasonable satisfaction of the Contract Supervisor.

### **5. ASSIGNMENT**

- 5.1 The Contractor shall not assign, transfer or sub-contract the Contract, or any part of it, without the Permission of the Contract Supervisor.
- 5.2 Any assignment, transfer or sub-contract entered into, shall not relieve the Contractor of any of his obligations or duties under the Contract.
- 5.3 Nothing in this Contract confers or purports to confer on any third party any benefit or any right to enforce any term of the Contract.

### **6. CONTRACT PERIOD**

The Contractor shall deliver the Goods within the time stated in the Appendix subject to any changes arising from Condition 9 (Variations), and/or Condition 10 (Extensions of time).

### **7. MATERIALS**

- 7.1 The Contractor shall be responsible for establishing his own sources of supply for any goods and materials needed in connection with the performance of the Contract.
- 7.2 The Contractor shall not place, or cause to be placed, any orders with suppliers or otherwise incur liabilities in the name of the Agency or any representative of the Agency.

## 8. SECURITY

- 8.1 The Contractor shall be responsible for the security of all goods and equipment belonging to the Agency and used by the Contractor in the supply of the Goods, or belonging to the Contractor, or the Contractor's staff, or sub-contractors whilst on Agency premises.
- 8.2 This Condition shall not prejudice the Agency's rights under Condition 16.

## 9. VARIATIONS

- 9.1 The Contract Supervisor may vary the Contract by adding to, deleting or otherwise modifying the Goods to be supplied, by written order to the Contractor provided such variations are reasonable and consistent with the nature, scope and value of the Contract.
- 9.2 The value of any such variation, other than any variation arising out of Condition 9.3, shall be determined by reference to the rates contained in the Pricing Schedule. Where the Goods so ordered are not covered in the Pricing Schedule, they shall be valued at a fair and reasonable rate agreed between the Contract Supervisor and the Contractor.
- 9.3 Where a variation is the result of some default or breach of the Contract by the Contractor or for some other cause for which he is solely responsible, any additional cost attributable to the variation shall be borne by the Contractor.
- 9.4 The Contractor may also propose a variation to the Goods to be supplied but no such variation shall take effect unless agreed and confirmed in writing by the Contract Supervisor.
- 9.5 No variation shall have the effect of invalidating the Contract, or placing the Contract at large, if that variation is reasonably consistent with the nature, scope and value of the Contract.
- 9.6 The Agency may vary the Contract to comply with a change in English Law. Such a change will be effected by the Contract Supervisor notifying the Contractor in writing.
- 9.7 The Agency may assign, novate or otherwise dispose of its rights and obligations under the Contract or any part thereof to:
- 9.7.1 any Contracting Authority; or
  - 9.7.2 any other body established by the Crown or under statute in order substantially to perform any of the functions that had previously been performed by the Agency; or
  - 9.7.3 any private sector body which substantially performs the functions of the Agency, provided that any such assignment, novation or other disposal shall not increase the burden of the Contractor's obligations under the Contract.
- 9.8 Any change in the legal status of the Agency such that it ceases to be a Contracting Authority shall not affect the validity of the Contract. In such circumstances the Contract shall bind and inure to the benefit of any successor body to the Agency.

## 10. EXTENSIONS OF TIME

- 10.1 Should the performance of the Contract be directly delayed by any cause beyond the reasonable control of the Contractor, and provided that the Contractor shall first have given the Contract Supervisor written notice within five working days after becoming aware that such delay was likely to occur, then the Contract Supervisor, if satisfied that this Condition applies:
- 10.1.1 in the case of any delay of which the Agency is not the cause, may grant the Contractor such extension of time, as in his opinion is reasonable, having regard, without limitation, to any other delays or extensions of time that may have occurred or been granted under the Contract. The Contract Price shall not increase as a result of such an extension of time.
  - 10.1.2 in the case of any delay of which the Agency is the cause, shall grant the Contractor a reasonable extension of time to take account of the delay.
  - 10.1.3 No extension of time shall be granted where in the opinion of the Agency the Contractor has failed to use reasonable endeavours to avoid or reduce the cause and/or effects of the delay.
  - 10.1.4 Any extension of time granted under this Condition shall not affect the Agency's rights to terminate or determine the Contract under Conditions 12 and 13.

## 11. PROPERTY AND RISK

The property and risk in the Goods shall pass to the Agency when the Goods have been delivered to the Agency's nominated address or addresses as stated in the Appendix and unloaded.

## 12. REJECTION OF GOODS

- 12.1 Without prejudice to the operation of Condition 12.5 the Goods shall be inspected on behalf of the Agency within a reasonable period of time after delivery and may be rejected if the Goods:
- 12.1.1 are found to be defective, inferior in quality to or differing in form or material from the requirements of the Contract, or
  - 12.1.2 do not comply with any term (express or implied) of the Contract.
- 12.2 Without prejudice to the operation of Condition 12.5, the Agency shall notify the Contractor of the discovery of any defect within fourteen days and shall give the Contractor all reasonable opportunities to investigate such defect.
- 12.3 The whole of any consignment may be rejected if a reasonable random sample of the Goods taken from the consignment is found not to conform in every respect with the requirements of the Contract.
- 12.4 Goods so rejected after delivery shall be removed by the Contractor within 14 days of receipt of the Agency's notification of rejection. If the Contractor fails to remove the rejected Goods within this time period, the Agency may return the rejected Goods at the Contractor's risk and expense.
- 12.5 The Agency's right of rejection shall continue irrespective of whether the Agency has accepted the Goods. In particular, taking delivery, inspection, use or payment for the

Goods, or part of them shall not constitute acceptance, waiver or approval and shall be without prejudice to any right or remedy the Agency may have against the Contractor.

### **13. DEFAULT**

13.1 The Contractor shall be in default if he:

13.1.1 fails to perform the Contract with due skill, care diligence and timeliness;

13.1.2 refuses or neglects to comply with any reasonable written instruction given by the Contract Supervisor;

13.1.3 is in breach of the Contract.

13.2 Where in the opinion of the Contract Supervisor, the Contractor is in default, the Contract Supervisor may serve a Notice giving at least five working days in which to remedy the default.

13.3 If the Contractor fails to comply with such a Notice the Contract Supervisor may, without prejudice to any other rights or remedies under the Contract, purchase other goods of the same or equivalent description. Any extra costs arising from this action, will be paid by the Contractor or deducted from any monies owing to him.

### **14. TERMINATION**

14.1 The Agency may immediately, without prejudice to any other rights and remedies under the Contract, terminate all or any part of the Contract by Notice in writing to the Contractor, Receiver, Liquidator or to any other person in whom the Contract may become vested, if the Contractor:

14.1.1 fails in the opinion of the Contract Supervisor to comply with (or take reasonable steps to comply with) a Notice under Condition 13.2.

14.1.2 becomes bankrupt or insolvent, or has a receiving order made against him, or makes an arrangement with his creditors or (being a corporation) commences to be wound up, not being a voluntary winding up for the purpose of reconstruction or amalgamation, or has a receiver, administrator, or administrative receiver appointed by a Court.

14.2 Termination under the Regulations'

14.3 The Agency may terminate the Contract on written Notice to the Contractor if:

- (a) the contract has been subject to a substantial modification which requires a new procurement procedure pursuant to regulation 72(9) of the Regulations;
- (b) the Contractor was, at the time the Contract was awarded, in one of the situations specified in regulation 57(1) of the Regulations, including as a result of the application of regulation 57(2), and should therefore have been excluded from the procurement procedure which resulted in its award of the Contract; or
- (c) the Contract should not have been awarded to the Contractor in view of a serious infringement of the obligations under the Treaties and the Regulations that has been declared by the Court of Justice of the European Union in a procedure under Article 258 of the TFEU.

## 15. DETERMINATION

- 15.1 Without prejudice to any other rights or remedies under the Contract, the Agency reserves the right to determine the Contract at any time by giving not less than one month's Notice, (or such other time period as may be appropriate).
- 15.2 The Agency shall pay the Contractor such amounts as may be necessary to cover his reasonable costs and outstanding and unavoidable commitments necessarily and solely incurred in properly performing the Contract prior to determination.
- 15.3 The Agency will not pay for any costs or commitments that the Contractor is able to mitigate and shall only pay those costs that the Agency has validated to its satisfaction. The Agency's total liability under this Condition shall not in any circumstances exceed the Contract Price that would have been payable for the Services if the Contract had not been determined.

## 16. INDEMNITY

- 16.1 Without prejudice to the Agency's remedies for breach of Contract, the Contractor shall fully indemnify the Agency and its staff against any legally enforceable and reasonably mitigated liability, loss, costs, expenses, claims or proceedings in respect of:

- 16.1.1 death or injury to any person;
- 16.1.2 loss or damage to any property excluding indirect and consequential loss;
- 16.1.3 infringement of third party Intellectual Property Rights

which might arise as a direct consequence of the actions or negligence of the Contractor, his staff or agents in the execution of the Contract.

- 16.2 This Condition shall not apply where the damage, injury or death is a direct result of the actions, or negligence of the Agency or its staff.

## 17. LIMIT OF CONTRACTOR'S LIABILITY

- 17.1 The limit of the Contractor's liability for each and every claim by the Agency, other than for death or personal injury, whether by way of indemnity or by reason of breach of contract, or statutory duty, or by reason of any tort shall be:

- 17.1.1 the sum stated in the Appendix;
- 17.1.2 if no sum is stated, the Contract Price or five million pounds whichever is the greater.

## 18. INSURANCE

- 18.1 The Contractor shall insure and maintain insurance against liabilities under Condition 16 (Indemnity) in the manner and to the values listed in the Appendix. If no sum is stated, the value insured shall be five million pounds.
- 18.2 If specifically required by the Agency, nominated insurances shall be in the joint names of the Contractor and the Agency.
- 18.3 The Contractor shall, upon request, produce to the Contract Supervisor documentary evidence that the insurances required are fully paid up and valid for the duration of the Contract.

## 19. PREVENTION OF FRAUD AND CORRUPTION

- 19.1 The Contractor shall not offer, give, or agree to give anything, to any person an inducement or reward for doing, refraining from doing, or for having done or refrained from doing, any act in relation to the obtaining or execution of the Contract or for showing or refraining from showing favour or disfavour to any person in relation to the Contract.
- 19.2 The Contractor shall take all reasonable steps, in accordance with good industry practice, to prevent fraud by the Contractor's staff and the Contractor (including its shareholders, members and directors) in connection with the Contract and shall notify the Agency immediately if it has reason to suspect that any fraud has occurred or is occurring or is likely to occur.
- 19.3 If the Contractor or the Contractor's staff engages in conduct prohibited by this clause 19 or commits fraud in relation to the Contract or any other contract with the Crown (including the Agency) the Agency may:
- 19.3.1 terminate the Contract and recover from the Contractor the amount of any loss suffered by the Agency resulting from the termination, including the cost reasonably incurred by the Agency of making other arrangements for the supply of the Goods and any additional expenditure incurred by the Agency throughout the remainder of the Contract; or
  - 19.3.2 recover in full from the Contractor any other loss sustained by the Agency in consequence of any breach of this clause.
- 19.4 The Contractor shall not, directly or indirectly through intermediaries commit any offence under the Bribery Act 2010 (as amended), in any of its dealings with the Agency.

## 20. CONTRACT PRICE

- 20.1 The Contract Price will be paid by the Agency to the Contractor as amended by any Variations ordered under Condition 9 (Variations).
- 20.2 In addition to the Contract Price, the Agency will pay to the Contractor such Value Added Tax (if any) as may properly be chargeable at rates ruling at the time of invoice.

## 21. INVOICING AND PAYMENT

- 21.1 Invoices shall only be submitted for those Goods already delivered accompanied by such information as the Contract Supervisor may reasonably require to verify the Contractor's entitlement to payment. Such invoices will be paid in 30 days from receipt by the Agency.
- 21.2 If any sum is payable under the Contract by the Contractor to the Agency, whether by deduction from the Contract or otherwise, it will be deducted from the next available invoice.
- 21.3 If the Contractor enters into a sub-contract with a supplier for the purpose of performing its obligations under the Contract, it shall ensure that a provision is included in the sub-contract which requires payment to be made of all sums due from it to the sub-contractor within 30 days from the receipt of a valid invoice.

## **22. INTELLECTUAL PROPERTY RIGHTS**

- 22.1 The Contractor warrants to the Agency that the Goods, shall not in any way infringe any Intellectual Property Rights belonging to any third party and shall fully indemnify the Agency against all actions, claims, costs, charges, expenses and liabilities of whatsoever nature arising from or incurred by reason of any infringement, or alleged infringement.
- 22.2 The Contractor shall not be liable under this Condition if such infringement arises from the use of any design, technique or method of working provided by or specified by the Agency.
- 22.3 If the Contractor is prevented from carrying out his obligations under the Contract due to any infringement or alleged infringement of any Intellectual Property Rights, the Agency may without prejudice to any other rights and remedies under the Contract, exercise the powers and remedies available to it under Conditions 14 and 15.

## **23. WARRANTY**

The Contractor warrants that the Goods supplied by him are of a satisfactory quality and are supplied with reasonable skill, care and diligence and fit for the Agency's intended purpose so far as this has been communicated to him, or which he would reasonably be expected to know.

## **24. GUARANTEES**

The Contractor shall promptly remedy all defects in the Goods arising from faulty design, materials or workmanship and, without prejudice to the Agency's statutory rights, either repair or replace the Goods (as the Agency shall elect) at no cost to the Agency, for a period of 12 months from putting the Goods into intended service, or 18 months from delivery, whichever is the less, or as otherwise agreed in writing.

## **25. STATUTORY REQUIREMENTS**

The Contractor shall fully comply with all relevant statutory requirements in the performance of the Contract, including, but not limited to the giving of all necessary notices and the paying of all fees.

## **26. ENVIRONMENT, SUSTAINABILITY AND DIVERSITY**

- 26.1 The Contractor in the performance of this Contract should adopt a sound proactive environmental approach, designed to minimise harm to the environment, to conserve energy, water, wood, paper and other resources, reduce waste and phase out the use of single-use plastic, ozone depleting substances and minimise the release of greenhouse gases, volatile organic compounds and other substances damaging to health and/or the environment, and be able to provide proof of so doing to the Agency on demand.
- 26.2 The Agency is committed to ensuring that workers employed within its supply chains are treated fairly, humanely and equitably. The Agency expects the Contractor to share this commitment and to understand any areas of risk associated with this and work to ensure they are meeting International Labour Standards. The Contractor ensures that it and its sub-contractors and its supply chain:

26.2.1 comply with the provisions of the Modern Slavery Act 2015;

- 26.2.2 pay staff fair wages (and pays its staff in the UK not less than the Foundation Living Wage Rate ); and
  - 26.2.3 implement fair shift arrangements, providing sufficient gaps between shifts, adequate rest breaks and reasonable shift length, and other best practices for staff welfare and performance.
- 26.3 The Contractor should support the Agency to achieve its Public Sector Equality Duty by complying with the Agency's policies (as amended from time to time) on Equality, Diversity and Inclusion (EDI). This includes ensuring that the Contractor (and their sub-contractors) in the delivery of its obligations under this Contract:
- 26.3.1 eliminates discrimination, harassment, victimisation and any other conduct that is prohibited by or under the Equality Act 2010;
  - 26.3.2 advances equality of opportunity between people who share a protected characteristic and those who do not; and
  - 26.3.3 fosters good relations between people who share a protected characteristic and those who do not.

## **27. PUBLICITY**

The Contractor shall not advertise or publicly announce that he is supplying Goods or undertaking work for the Agency without the Permission of the Contract Supervisor.

## **28. LAW**

This Contract shall be governed and construed in accordance with the Law, and subject to the jurisdiction of the courts of England.

## **29. WAIVER**

- 29.1 No delay, neglect or forbearance by the Agency in enforcing any provision of the Contract shall be deemed to be a waiver, or in any other way prejudice the rights of the Agency under the Contract.
- 29.2 No waiver by the Agency shall be effective unless made in writing.
- 29.3 No waiver by the Agency of a breach of the Contract shall constitute a waiver of any subsequent breach.

## **30. ENFORCEABILITY AND SURVIVORSHIP**

- 30.1 If any part of the Contract is found by a court of competent jurisdiction or other competent authority to be invalid or legally unenforceable, that part will be severed from the remainder of the Contract which will continue to be valid and enforceable to the fullest extent permitted by law
- 30.2 The following clauses shall survive termination of the Contract, howsoever caused: 14, 15, 16, 22, 23, 25, 28, 30, 31, 32, 33 and 34.

### **31. DISPUTE RESOLUTION**

- 31.1 All disputes under or in connection with this agreement shall be referred first to negotiators nominated at a suitable and appropriate working level by the Agency and the Contractor.
- 31.2 If the parties' negotiators are unable to resolve the dispute within a period of forty five days from its being referred to them, the dispute shall be referred at the instance of either party to the parties' respective senior managers or directors (supported as necessary by their advisers).
- 31.3 If the parties' respective senior managers or directors are unable to resolve the dispute within forty five days the dispute shall be referred to the Centre for Dispute Resolution who shall appoint a mediator and the parties shall then submit to the mediator's supervision of the resolution of the dispute.
- 31.4 Recourse to this dispute resolution procedure shall be binding on the parties as to submission to the mediation but not as to its outcome. Accordingly all negotiations connected with the dispute shall be conducted in strict confidence and without prejudice to the rights of the parties in any future legal proceedings. Except for any party's right to seek interlocutory relief in the courts, no party may commence other legal proceedings under the jurisdiction of the courts or any other form of arbitration until forty five days after the appointment of the mediator.
- 31.5 If, with the assistance of the mediator, the parties reach a settlement, such settlement shall be put in writing and, once signed by a duly authorised representative of each of the parties, shall remain binding on the parties.
- 31.6 The parties shall bear their own legal costs of this dispute resolution procedure, but the costs and expenses of mediation shall be borne by the parties equally.
- 31.7 Any of the time limits in Condition 31 may be extended by mutual agreement. Such agreed extension shall not prejudice the right of either party to proceed to the next stage of resolution.

### **32. GENERAL**

- 32.1 Neither party to the Contract will be liable to the other for any delay in performing or failing to perform its obligations (other than a payment obligation) under the Contract because of any cause outside its reasonable control. Such delay or failure will not constitute a breach of the Contract and the time for performance of the affected obligation will be extended by a reasonable period.
- 32.2 The Contract contains the whole agreement between the parties and supersedes all previous communications, representations and arrangements, written or oral. It is accepted that the Contract has not been entered into on the basis of any representations that are not expressly contained in the Contract.

**33. FREEDOM OF INFORMATION ACT**

- 33.1 The Agency is committed to open government and to meeting its responsibilities under the Freedom of Information Act 2000 (as amended) ('Act') and the Environmental Information Regulations 2004 (as amended) (Regulations').
- 33.2 The Contractor agrees that:
- 33.2.1 All information submitted to the Agency may need to be disclosed by the Agency in response to a request under the Act or the Regulations; and
- 33.2.2 The Agency may include information submitted (in whole or in part) in the publication scheme which it maintains under the Act or publish the Contract, including from time to time agreed changes to the Contract, to the public.
- 33.3 If the Contractor considers that any of the information included in its tender, or that it has submitted to the Agency or that is otherwise contained in the Contract, is commercially sensitive, it shall identify and explain (in broad terms) what harm may result from disclosure if a request is received, and the time period applicable to that sensitivity. The Contractor acknowledges that if it has indicated that information is commercially sensitive, such information may still be required to be disclosed by the Agency under the Act or the Regulations. The receipt of any material stated to be or marked 'confidential' or equivalent by the Agency shall not be deemed to infer that the Agency agrees any duty of confidentiality by virtue of that marking.

**34. DATA PROTECTION**

- 34.1 In the event that the Contract requires data to be processed within the meaning of the Data Protection Legislation the Data Protection Schedule shall be completed by the Parties and provisions and definitions therein shall apply and bind the Parties as part of this Contract

# APPENDIX

## Condition No 29547

- 1 Contract Supervisor** 3  
Representative: [REDACTED]
- Address: Environment Agency  
Thames Barrier Operational Area  
Eastmoor Street, Charlton, London, SE7 8LX
- Tel: [REDACTED]  
Mob: [REDACTED]  
Email: [REDACTED]
- 2 Contractor**  
Representative: [REDACTED]
- Address: \*IPEC Ltd \_\_\_\_\_  
\*Rutherford House \_\_\_\_\_  
\*Manchester Science Park, M15 6SZ
- Tel: [REDACTED] \_\_\_\_\_  
Mob: [REDACTED] \_\_\_\_\_  
Email: [REDACTED] \_\_\_\_\_
- 3 Contract Period** 6  
Start Date: 1 September 2020  
Contract Period: 24 months  
Completion Date: 31 August 2022  
Options to extend up to: N/A
- 4 Insurance (Minimum Cover)** 18  
Public Liability: £5 million

<b>5</b>	<b>Limit on Liability</b>		17
	Limit of Contractor's Liability:	<i>£5 million</i>	
<b>6</b>	<b>Delivery</b>		6
	Rate of Delivery / Delivery Address	See Pricing Schedule	

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# SPECIAL CONDITIONS

## 1 Definitions

### [Additional Clauses]

- 1.1.18 Acceptance Date The date when written acknowledgement by the Agency is given that the Goods have been installed and commissioned in accordance with the Contract.
- 1.1.19 Acceptance Tests The tests included in the Contract to be carried out by the Contractor and/or such other tests as may be agreed in writing between the Agency and the Contractor to be carried out after delivery to the Site and before the Acceptance Date.
- 1.1.20 Completion Date The date included in the Contract or where not so specified, the date included in the Programme of Work as the date upon which the delivery of the Goods are to be completed in accordance with the Contract.
- 1.1.21 Programme of Work The timing and sequence of events agreed between the Agency and Contractor for the performance of the Contract.
- 1.1.22 Site The place specified by the Agency, where the installation of the Goods are to be performed.
- 1.1.23 Schedule A schedule referred to in the Contract as forming part of the Contract.

## 2 Precedence

### [Substitute Condition]

- 2.1 To the extent which any documents form part of the Contract, they shall in the case of conflict have the order of precedence as stated in the 'Form of Agreement'.



**36 Health and Safety**  
**[Additional Condition]**

36.1 The Contractor shall ensure that his staff, agents and suppliers act in full accordance with the provisions of the Health and Safety at Work etc. Act 1974, Management of Health and Safety at Work Regulations 1992, Control of Substances Hazardous to Health Regulations 2002 (COSHH) and any other Acts, Regulations or Orders pertaining to Health and Safety.

**37 Quality Assurance**  
**[Additional Condition]**

37.1 The Contractor shall ensure that its Quality Assurance System meets the requirements of ISO 9002 (EN 29002 or equivalent).

**38 Documentation**  
**[Additional Condition]**

38.1 The Contractor shall prepare and supply to the Agency all standard installation guides, drawings and user guides associated with the Goods necessary to install, use and maintain the Goods and to meet the requirements of the Contract.

Our ref: 29547

Date: 22 July 2020

[REDACTED]  
IPEC LTD  
Rutherford House  
Manchester Science Park  
M15 6SZ

Dear Sirs

**CONTRACT No: 29547 DATED: 22 July 2020**  
**THAMES BARRIER – HIGH VOLTAGE NON-DESTRUCTIVE TESTING**  
**VARIATION NO 1 - CORRECTED CONTRACT PERIOD**

On behalf of the Environment Agency, and with reference to your recent discussions with our Mr Gareth Crouch, I hereby confirm a variation to the above-mentioned contract, details as follows:

The start and completion dates as shown in the Appendix to the '29547 - Condition of Contract – Goods 2018 with additional conditions v3' and Table 1 of the Pricing Schedule are corrected and should now read as shown below:

<b>Item No</b>	<b>Item Description</b>	<b>Start Date</b>	<b>Completion Date</b>	<b>Total Price £s (ex VAT)</b>
1	High Voltage Non-Destructive Testing Equipment & Services - Thames Barrier.	01 September 2020	31 August 2022	The prices & rates stated in Table 2.

All other details and provisions of the contract remain unchanged.

Please acknowledge receipt of this letter and amend your contract documents accordingly.

Yours faithfully

[REDACTED]  
**Senior Category Officer**  
**Defra Group Commercial**

Encs.

cc: [REDACTED] (Environment Agency)

# Specification

**Title:** Thames Barrier - High Voltage Non-Destructive Testing

**Ref:** 29547

## Background

The Thames Barrier is one of the largest and most complex privately owned High Voltage (HV) networks in South East England with [REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

The HV system installed in [REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

## Description of Works

The Contractor is to:

- 1) Provide the supply of Partial Discharge (PD) testing kit (Precise PD) which includes:
  - a. PD spot testing software.
  - b. PD Mapping software.
  - c. Rugged waterproof Peli Case.
  - d. Data Acquisition.
  - e. Processing PC.
  - f. Long life battery.
  - g. Sync transmitter.
  - h. Cable set.
  - i. iPD Transponder.
- 2) Provide the supply of PD Detector kit which includes:
  - a. PD Detector unit with integrated acoustic and TEV sensors.
  - b. In-built phase synchronisation system.
  - c. 1 x PD-FT (Function Tester).
  - d. 1 x Stereo Headphones.
  - e. 1 x PD Detector User Manual.
  - f. 1 x PD Detector Mains, Car, USB Charger.
  - g. Software for mobile app and local PC app.
- 3) To undertake PD test on the whole Thames Barrier High Voltage Network.
- 4) Provide asset condition reports supported by data. Reports to provide a baseline against future testing. These reports shall be provided monthly.
- 5) Provide recommendations on HV maintenance to ensure integrity and robustness of the whole system.
- 6) To arrange PD training to EA Electrical Technicians to enable future testing to be undertaken in-house. Training to include:

- a. PD Theory Training:
  - i. Level 1 and Level 2 Training.
  - ii. IPEC accredited.
  - iii. Certificate once training completed.
- b. PrecisePD:
  - i. Detection methods.
  - ii. Data interpretation.
  - iii. PD Location.
  - iv. Office and on site.
- c. PD Detector:
  - i. Detection methods.
  - ii. Data interpretation.
  - iii. PD Location.
  - iv. Office and on site.

7) To provide on-line technical support and advice on test results achieved from in-house testing including hosting of data. This will be required for 24 months.

## Requirements

### Equipment:

The equipment supplied must be designed for detection of PD in high noise environments. The equipment must be able to detect and accurately locate faults whilst HV equipment is online and under normal working conditions.

Equipment supplied must [REDACTED]  
[REDACTED]

The cables requiring PD detection have medium to high magnitude noise sources in the [REDACTED] [REDACTED]. Due to the construction of the barrier (steel lined concrete tunnels) there is no environment where there is noise but no likelihood of PD and so setting a separate noise channel is not an option. Therefore the equipment for cable PD detection must utilise advanced wavelet algorithms designed to operate in high noise environments in order to automatically process the signal and filter noise from PD.

The equipment supplied for detection of PD in switchgear must be able to provide results quickly to enable testing before switching operations. It must be able to detect PD inside the switchgear and surface tracking.

Equipment must collect data of appropriate resolution to be able to precisely detect location and severity of fault to allow users to investigate and locate PD sources on live electrical equipment to a high degree of accuracy in critical, online, HV assets. Equipment and data management system must be able to store data on all of TB HV Assets.

System must be easy to use and incorporate advanced features for a technician to fully analyse and get a picture of the PD activity.

Output of equipment to provide asset condition information. Ongoing routine testing and database management by supplier must provide a picture of asset performance over time.

The output system must automatically collate the necessary data and information for detailed analysis.

All equipment must be CE-compliant in accordance with Low Voltage Directive (2014/35/EU) and EMC Directive (2014/30/EU). Equipment must be designed for use in the marine environment with suitable IP ratings.

PD Testing on TBAG HV Assets:

The tests be undertaken 'online' IE under normal working conditions. It is impractical to take sections of the network offline in order to conduct testing

The tests be undertaken under normal loading conditions - not requiring load banks to achieve %loads

The tests are undertaken using equipment designed for [REDACTED] including switchgear and underground cables

The tests are undertaken using equipment designed for the marine environment

The tests are undertaken using equipment designed to automatically differentiate between background noise and PD

For verification purposes, the stored detected PD data must be displayed in the following formats: Phase Resolved Partial Discharge (PRPD) and Individual Partial Discharge Segments (IPDS).