

Lot 1

Title	Selected Tier 1 Supplier	Value including
UK HPR1000 GDA – Independent Review of the V&V of the Computer Codes used for the Design and Safety Analysis	Tractebel Engineering	£219,139.20
UK HPR1000 Generic Design Assessment – Familiarity Training for ASTEC Code	Tractebel Engineering	£29,304.00
UK HPR1000 GDA - Provision of Technical Support to Perform Independent Confirmatory Safety Analysis	GRS	£1,745,798.40
Further Technical Support with the Detailed Assessment of the Fault Studies Aspects of the Hinkley Point C Safety Submissions (renewal of ONR242 under the new TSF Agreement)	Jacobs (ESRC)	£82,715.29
Support to the Detailed Assessment of the Severe Accident Aspects of the HPC Safety Submissions (renewal of ONR266 under the new TSF Agreement)	GRS	£19,296.00
Further Development of the UK-EPR ATHLET Model and Confirmatory Analysis to Inform Assessment of the Fault Studies Aspects of HPC Safety Submissions (renewal of contract ONR364 under the new TSF Agreement)	GRS	£71,616.00
Further EPR Panther Model Development & Confirmatory Analysis to Inform an Assessment of the Fault Studies Aspects of HPC Safety Submissions (renewal of ONR362 under the new TSF Agreement)	Jacobs (ESRC)	£58,829.02
Independent Analysis of the UK HPR1000 In-Vessel Melt Retention by External Reactor Vessel Cooling Strategy	GRS	£417,344.40
Provision of a Technical Seminar - Safety Analysis of small modular High Temperature Gas-cooled Reactors (HTGR)	GRS	£54,017.40

Lot 2

Title	Selected Tier 1 Supplier	Value including
Hunterston B and Hinkley Point B – Independent review of the revised seismic assessment in support of the Graphite Core safety case (RRR-076) Establishing regulatory expectations for the adoption of new materials and new technologies	Frazer Nash	£72,296.03
(RRR-087) - Provision of Technical Support on Bolting Designs for Primary Containment and Associated Variability	Jacobs (ESRC)	£89,388.14
UK HPR1000 GDA - Civil Engineering Step 3 Technical Support	Jacobs (ESRC)	£84,439.84
Provision of Technical Support for the Mechanical Engineering (HVAC systems) Assessment of UK HPR1000 GDA Step 3	TUV SUD	£490,125.60
Provision of C&I Technical Support to UK HPR1000 GDA Step 3	Frazer Nash	£230,319.60
(RRR-084) Provision of Research on Multi-Unit Level 3 PSA	TUV SUD	£387,737.64
Provision of Technical Support Assessing the Fatigue Crack Initiation Methodology for HPC Project	Frazer Nash	£47,701.98
Provision of Support to Generic Design Assessment (GDA) for the UK HPR1000 on OPEX/OEF relating to design for decommissioning	Frazer Nash	£45,577.88
RRR-031 - Embrittlement of Steels in Neutron Irradiation Environments - Irradiation Embrittlement Modelling Project	Jacobs (ESRC)	£132,251.24
Support on Accident Chemistry for UKHPR1000 GDA	Atkins	£69,147.76
UK HPR1000 Generic Design Assessment – Independent Review of Probabilistic Safety Analysis	Atkins	£98,622.00
Support on Chemistry for UKHPR1000 GDA	Frazer Nash	£652,507.96
(RRR-071) Provision of technical support to deliver the UK's modelling contribution to the PRISME 3 Analytical Working Group (AWG) as part of the PRISME 3 experimental programme	Jacobs (ESRC)	£111,306.28
(RRR-068) Establishing a Knowledge Base for Chromium-doped Nuclear Fuel	Atkins	£160,062.90
(ONR-RRR-061) Beyond Design Life Regulatory Expectations for the Substantiation of SSCs Important to Safety – Phase 2	Frazer Nash	£54,471.54
(RRR-059) Provision of information to underpin the UK nuclear design basis criterion for naturally occurring external hazards	Jacobs (ESRC)	£76,324.56
Provision of technical support in the closure of regulatory issues raised during the Nuclear Island Concrete permitting milestone	Frazer Nash	£85,224.70
(RRR-048) & (RRR-049) - Provision of Human Factors Guidance in the area of Substantiation for Advanced Human Machine Interfaces	TUV SUD	£74,096.40
(RRR-052) – Delivery of a guidance document on remediation techniques for radioactively contaminated land on nuclear licensed sites PHASE 2	Frazer Nash	£71,751.55
Call off contract - Provision of Human Factors Technical Support	TUV SUD	£49,420.18
Provision of a Technical Seminar on Lead Cooled Fast Reactor Technology	Frazer Nash	£220,025.23
Development and delivery of a software analysis training course for ONR inspectors	Frazer Nash	£60,940.21
Provision of Technical Support to the UK HPR1000 GDA Step 4 External Hazards Assessment	TUV SUD	£28,073.62
Technical Review and Assessment of the Adequacy of Shielding Design and Approach taken to Assess Direct Dose to the Public in support of the GDA Reference Design for the UK HPR1000 Step 4	TUV SUD	£513,052.74
HPR1000 Step 4 Civil Engineering Support	Jacobs (ESRC)	£150,638.92
Development of ONR Guidance and Training for EIADR	TUV SUD	£903,125.72
(RRR-094) Methods to determine High Efficiency Particulate Air (HEPA) filter ageing and cumulative effects of Dispersed Oil Particulate (DOP) testing on filter	Frazer Nash	£78,911.64
Provision of control and instrumentation technical support to UK HPR1000 GDA Step 4	Frazer Nash	£69,270.17
Provision of technical expert review and advice on WIREd project	TUV SUD	£987,776.33
HPR1000 Human Factors Step 4 Support	TUV SUD	£73,579.45
UK HPR1000 Step 4 Internal Hazards Support	Frazer Nash	£274,870.99
Technical Review/Technical Assessment of Selected Radioactive Waste Management Systems for the GDA Reference Design for the UK HPR1000	TUV SUD	£290,114.86
HPR1000 Reactor Chemistry Step 4 Support - Embedded contractor	Jacobs (ESRC)	£171,676.18
HPR1000 Mechanical Engineering Step 4 Support	Frazer Nash	£143,907.98
HPR1000 Reactor Chemistry Step 4 Support - Workpackage 2 & 4	Frazer Nash	£446,458.32
HPR1000 Reactor Chemistry Step 4 Support - Workpackage 3	Jacobs (ESRC)	£101,903.96
HPR1000 Structural Integrity Step 4 Support	Atkins	£158,349.48
Provision of independent advice for non-linear modelling of concrete crushing due to seismic induced loading.	Frazer Nash	£240,914.40
Provision of advice on the suitability of existing UK nuclear regulation to the application of artificial intelligence in operations affecting nuclear material	TUV SUD	£89,698.99
Provision of Technical Review/Assessment of the Arrangements for Maintaining the Criticality Safety of Fuel Storage, in Support of Step 4 of the GDA for the UK	Frazer Nash	£98,681.59
UKHPR1000 GDA - Confirmatory Electrical System Studies	Frazer Nash	£78,525.04
(ONR-RRR-083) Provision of Guidance on the Assessment of Elastomeric Seals (and other forms of seals) for use in Radioactive Materials Transport Packages and other Nuclear Safety applications	Frazer Nash	£200,581.34
Provision of a Technical Training Course on Hydrogen Safety	Jacobs (ESRC)	£86,969.64
Provision of a Technical Seminar on High Temperature Gas Reactor (HTGR) Technology	Frazer Nash	£23,692.80
Provision of a Technical Training Course on Reactive Metals Behaviour	TUV SUD	£37,007.48
(RRR-099) - Defining distances for outer consultation zones	Frazer Nash	£54,772.36
Provision of Contractor Support on Export Controls	Frazer Nash	£75,674.40
Provision of IT security consultancy advice for WIREd project	TUV SUD	£53,312.76
Provision of Technical Seminar Sodium-cooled Fast Reactor Technologies	TUV SUD	£91,987.52
Provision of Technical Support on Sizewell C Site-Specific External Hazards Assessment	Jacobs (ESRC)	£64,950.60
Provision of Technical Support in Assessing the Sizewell C Geotechnical Investigation	Frazer Nash	£152,699.14
MALPAS training course for E,C&I inspectors	TUV SUD	£114,551.44
Provision of Analytical Investigative Techniques training	Atkins	£9,210.40
Provision of technical support in the closeout of concerns raised as part of Regulatory Issue 6693 technical review (Hinkley Point C)	Frazer Nash	£9,600.00
(ONR-RRR-102) Establishing Regulatory expectations for the management of Ageing and Degradation	TUV SUD	£14,872.78
(ONR-RRR-100) Research into the sensitivity of load time functions to aircraft impact threat definitions	Jacobs (ESRC)	£74,190.74
Gap Analysis of the CIEHF Learning Pathway for Energy against expectations for Human Factors	Frazer Nash	£132,000.00
Methods to determine High Efficiency Particulate Air (HEPA) filter ageing and cumulative effects of Dispersed Oil Particulate (DOP) testing on filter performance - completion of Phase 1-3 (ONR-RRR-094)	Frazer Nash	£43,353.52
(ONR-RRR-112) PSA Best Estimate C&I Software Modelling and Reliability	Frazer Nash	£16,560.00
(ONR-RRR-086) Dual Purpose Casks (Storage and Transport) (FINAL DELIVERABLE)	TUV SUD	£93,451.70
Sizewell C site-specific soil conditions - SSI and SSSI methodology review	Jacobs (ESRC)	£4,121.91
Provision of independent advice for Soil Structure Interaction and non-linear modelling of PCPV due to seismic induced loading	TUV SUD	£89,872.66
THEMIS (THAI Experiments on Mitigation measures, and source term issues to support analysis and further Improvement of Severe accident management measures) (ONR-RRR-098)	TUV SUD	£87,867.72
Provision of support for Assessing Applications Made Under EIADR	Frazer Nash	£141,318.25
	Frazer Nash	£104,256.53