

Bill of Quantities

Project: CETB Biomass – Heating Upgrade Works	Details: Preliminaries
Building: Davis College	

Auto code	Description	Quantity	Unit	Rate	Total
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(00) PRELIMINARIES

	<u>PRELIMINARIES (HEATING UPGRADE)</u>				
1	NOTES:				
2	1. All items shall be deemed to include full compliance with the Public Works Contract (PW-CF) obligations, including all coordination, supervision, labour, plant, materials, temporary works, overheads and profit.		Note		
3	2. The Contractor shall be responsible for full coordination with the Employer, Works Contractor and ESCO at all interface points.		Note		
4	3. Works are to be undertaken in live operational school environments and shall include all necessary safeguarding, phasing and access control measures.		Note		
5	4. All interface works shall include for coordination with ESCO-provided Energy Cabin systems including isolated and capped pipework connections.		Note		
6	5. No additional payment shall be made for compliance with statutory obligations, contract administration or interface coordination unless expressly stated in the Contract.		Note		
	<u>1.0 CONTRACT MANAGEMENT & CONTRACTOR'S OBLIGATIONS</u>				
7	Provide full contract management, coordination, supervision and execution of the Works, including compliance with all obligations under the Public Works Contract (PW-CF), complete	1.00	Item		
8	Attendance at all site meetings, progress meetings, interface meetings and coordination workshops with the Employer, Works Contractor and ESCO	1.00	Item		
9	Preparation, submission and maintenance of the construction programme in accordance with contract requirements	1.00	Item		
10	Coordination and management of all subcontractors, suppliers and specialist installers	1.00	Item		
	<u>2.0 DESIGN COORDINATION & INTERFACE MANAGEMENT</u>				
11	Coordination of all design and installation works with ESCO Energy Cabin supplier including interface compliance with SSRH heat interface requirements	1.00	Item		
12	Review, coordination and integration of all free-issued ESCO design information	1.00	Item		
13	Attendance at interface coordination meetings and joint technical workshops	1.00	Item		
14	Coordination of all service interfaces including isolated and capped pipework provided by ESCO for connection by others	1.00	Item		
15	Resolution of all interface discrepancies between plantroom works and Energy Cabin installation	1.00	Item		
	<u>3.0 SITE ESTABLISHMENT & TEMPORARY WORKS</u>				
16	Site establishment, mobilisation and demobilisation of labour, plant and equipment	1.00	Item		
17	Provision and maintenance of temporary site accommodation, welfare facilities and storage	1.00	Item		
18	Provision of temporary utilities including water, electricity and lighting	1.00	Item		
19	Provision of hoarding, fencing, signage and access control in live school environments	1.00	Item		
20	Temporary protection of existing buildings, services and finishes	1.00	Item		
	<u>4.0 HEALTH, SAFETY & ENVIRONMENTAL COMPLIANCE</u>				
21	Compliance with all statutory Health & Safety legislation including Construction Regulations	1.00	Item		
22	Preparation and implementation of Construction Stage Safety Plan	1.00	Item		

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(00) PRELIMINARIES

(Continued)

23	Management of works in live school environments including safeguarding measures	1.00	Item		
24	Environmental protection including waste management, noise, dust and vibration control	1.00	Item		
	<i>5.0 ACCESS, TEMPORARY WORKS & LIFTING OPERATIONS</i>				
25	Provision of all lifting operations including cranes, hoists and associated certification	1.00	Item		
26	Temporary works design, installation and removal including access platforms and supports	1.00	Item		
27	Working at height systems including scaffolding and edge protection	1.00	Item		
28	Protection of existing building fabric and services during execution of the Works	1.00	Item		
	<i>6.0 INTERFACE WITH ESCO / ENERGY CABIN SYSTEM</i>				
29	Coordination with ESCO for Energy Cabin installation, commissioning and interface works	1.00	Item		
30	Attendance at joint inspection and witnessing of interface connection works	1.00	Item		
31	Coordination of primary LPHW pipework interfaces including ESCO-provided isolated and capped connections	1.00	Item		
32	Verification and sign-off of all service interfaces including water, electrical and BMS connections at Energy Cabin envelope	1.00	Item		
33	Interface risk management and resolution of coordination issues between ESCO and Works Contractor scopes	1.00	Item		
	<i>7.0 QUALITY ASSURANCE, TESTING & COMMISSIONING SUPPORT</i>				
34	Implementation of quality assurance procedures and inspection & test plans	1.00	Item		
35	Coordination and witnessing of commissioning activities and system testing	1.00	Item		
36	Integration of plantroom commissioning with Energy Cabin commissioning activities	1.00	Item		
37	Compilation and submission of commissioning records and certificates	1.00	Item		
	<i>8.0 HANDOVER, DOCUMENTATION & CLOSE-OUT</i>				
38	Preparation and submission of operation and maintenance manuals in approved format	1.00	Item		
39	Preparation and submission of as-built drawings and record documentation	1.00	Item		
40	Provision of training to Employer's representatives	1.00	Item		
41	Snagging, rectification and final completion works	1.00	Item		
42	Final account support and contract close-out documentation	1.00	Item		
	<i>9.0 OTHER</i>				
43	Security: Provision and maintenance of site security measures including fencing, hoarding, access control and protection against theft or vandalism, complete.	1.00	Item		
44	Temporary Services: Provision and maintenance of temporary water, electricity, lighting and other site services required for execution of the Works, complete.	1.00	Item		
45	Coordination Meetings: Attendance at all site, design, coordination and progress meetings as required under the Contract, complete.	1.00	Item		

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(00) PRELIMINARIES

(Continued)

46	Provide for all additional preliminary obligations, attendance, coordination, supervision, temporary works, protections, and any other requirements reasonably inferred as necessary for the proper execution and completion of the Works in accordance with the Contract, whether expressly described or not, deemed included, complete.	1.00	Item		
	<u>Asbestos Compliance</u>				
47	Allow for compliance with all asbestos management requirements, including review of asbestos survey information, avoidance of disturbance to identified asbestos-containing materials, implementation of safe working procedures, and coordination with the Employer and specialist asbestos contractors where required, complete.	1.00	Item		
	<u>Asbestos Discovery Contingency</u>				
48	The Contractor shall confirm, through pre-start surveys, the absence or otherwise of asbestos-containing materials in areas being disturbed. Where ACMs are identified, a licensed specialist shall be engaged and the works replanned; no disturbance shall occur without a refreshed asbestos register and method statement being in place.	1.00	Item		
49	Before any decommissioning works commence, the Works Contractor shall undertake a pre-decommissioning survey of each affected plantroom. The survey shall record the make, model, age, fuel type, rated thermal output, condition and remaining fuel inventory of each item of plant scheduled for removal, and shall record the routing, support method and condition of any pipework, flues, fuel lines, fuel storage tanks and electrical supplies serving the plant. The survey shall identify any asbestos-containing material in the vicinity of the plant; where such material is identified, decommissioning shall not proceed until a specialist asbestos removal contractor has discharged the Asbestos Regulations 2006 and 2010 in respect of the affected zone. The survey report shall be submitted to the Engineer for review before decommissioning commences.	1.00	Item		

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(00) PRELIMINARIES (Continued)

COLLECTION

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(00) PRELIMINARIES Carried to Summary:	0
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Report Summary	0
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COLLECTION SUMMARY

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Total Amount:		0