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CTC WORKSHOP RELOCATION

230114

**Mechanical and Electrical
Tender Analysis**

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1-0 PROJECT TENDER COSTS

PROJECT TENDER COSTS				
Item	Description		Item Cost	Section Cost
1	For all costs associated with Contract Preliminaries			
	a)	General requirements	£	
	b)	Soft landing requirements	£	
	c)	Heat Load testing	£	
Section Total			£	£
2	Standard Installation Clauses			
2A	For all costs associated with Section 2A - General Installation Clauses - Pipework		£	
2B	For all costs associated with section 2B - General Installation Clauses - Ductwork		£	
2C	For all costs associated Section 2C – General Installation Clauses - Mechanical Commissioning		£	
2D	For all costs associated Section 2D – General Installation Clauses – Thermal Insulation		£	
2E	For all costs associated Section 2E – Electrical Installation quality and Materials		£	
2F	For all costs associated Section 2F – Electrical Inspection and Testing		£	
Section Total			£	£
3	For all costs associated Section 3 – Site Specific Requirements			
	a)	12 months planned & corrective maintenance including consumables	£	
	b)	Mechanical	£	
	c)	Electrical	£	
Section Total			£	£
4	For all costs associated with Section 4 – Energy Metering			
Section Total			£	£
5	For all costs associated with Section 5 – Enabling and Incoming Services Works			
	a)	Incoming Main Cold Water supply	£	
	e)	Mechanical Enabling works (Stripping Out/Re-routing works)	£	
	h)	Electrical Enabling works (Stripping Out/Re-routing works)	£	
	j)	Other	£	

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PROJECT TENDER COSTS				
Item	Description		Item Cost	Section Cost
Section Total			£	£
E1A	For all costs associated Section E1A – LV Distribution			
	a)	Supply and Installation of switchgear	£	
	b)	Supply and installation of cabling systems	£	
Section Total			£	£
E2	For all costs associated Section E2 – Utility Power			
Section Total			£	£
E3	For all costs associated Section E3 – Internal, External & Emergency Lighting			
	a)	Internal Lighting	£	
	b)	Emergency Lighting	£	
	c)	External Lighting	£	
Section Total			£	£
E4	For all costs associated Section E4 – Call Systems			
Section Total			£	£
E5	For all costs associated Section E5 – Voice and Data Systems			
Section Total			£	£
E6	For all costs associated Section E6 – Security Systems			
E6A	Access Control Systems		£	
E6C	CCTV Systems		£	
Section Total			£	£
E7A	For all costs associated Section E7A – Fire Alarm Systems			
Section Total			£	£
M1	For all costs associated Section M1 – Domestic Water Services			
	a)	Flushing, chlorination and testing.	£	
	b)	Domestic Water distribution systems	£	
	c)	Other	£	
Section Total			£	£
M2	For all costs associated Section M2 – Heating			
	a)	Heat Generation Plant (Boilers, Flues, Pumps, Pressurisation sets, Thermal Storage, Plate heat exchangers etc.)	£	
	b)	Heat emitters.	£	
	c)	LTHW distribution system(s)	£	
	d)	Other	£	

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PROJECT TENDER COSTS				
Item	Description		Item Cost	Section Cost
Section Total			£	£
M3	For all costs associated Section M3 – Mechanical Ventilation Systems			
	a)	Toilet Extract system	£	
	b)	Galvanised Ductwork distribution systems	£	
	c)	Attenuators	£	
	d)	Other	£	
Section Total			£	£
M4	For all costs associated Section M4 – Fuel Systems			
	a)	Natural gas system	£	
	b)	Other	£	
Section Total			£	£
M6	For all costs associated Section M6 – Drainage			
	a)	Drainage associated with domestic area systems	£	
	b)	Drainage associated with Laboratory area systems	£	
	c)	Plantroom drainage system	£	
	d)	Other	£	
Section Total			£	£
	For any other mechanical costs not detailed above, add description / cost below:			
	A		£	
	B		£	
	C		£	
Section Total			£	£
	For any other electrical costs not detailed above, add description / cost below:			
	A		£	
	B		£	
	C		£	
Section Total			£	£
SUB TOTAL CARRIED FORWARD TO TENDER SUMMARY				£

2-0 PROVISIONAL SUMS

PROVISIONAL SUMS			
Item	Description	Item Cost	Section Cost
1)	New LV cable to feed new panel board	£15,000.00	
2)	Unforeseen Mechanical Works	£2,500.00	
3)	Unforeseen Electrical Works	£2,500.00	
Sub Total		£20,000.00	£
SUB TOTAL CARRIED FORWARD TO TENDER SUMMARY			£

3-0 SPECIFIED COST OPTIONS (NOT TO BE INCLUDED WITHIN TENDER SUM)

SPECIFIED COST OPTIONS		
Item	Description	Item Cost
TOTAL		£

4-0 MATERIAL SCHEDULE

Where items of equipment or plant are detailed in this Specification or Schedule(s), the Tenderer shall only include in his offer for the goods as stated.

A separate schedule may be attached to this Tender Analysis of alternative manufacturers where in the Tenderers opinion a genuine reduction in the Tender amount can be made for equipment which complies in full with the terms of this Specification. Where alternatives are offered the Contractor shall be responsible for providing all necessary information to demonstrate compliance to the satisfaction of the Engineer. The decision on whether any of these offers are acceptable will only be made after the Tenders have been submitted. If any of these alternatives are included in the Main Tender the offer will be considered non-compliant.

Schedule of Materials Included in Quotation / Tender		
Material or Equipment	Manufacturer	Delivery

5-0 SCHEDULE OF DAY WORK RATES

Work agreed to be carried out as daywork will be paid for at the following rates and such payment will only be for the net time worked on the Site. The rates are to include for overheads and profit, all supervision (being the cost of full-time foremen or additional rates paid to chargehands etc.), insurances, holidays with pay, bonus, pension schemes, subsistence allowances, fares and travelling time, imported labour costs, non – productive overtime costs, tools of all descriptions and other payments made under the Working Rule Agreement or any Regulation, Bye-law or Act of Parliament.

The total of this Daywork Schedule shall be expended or deducted in whole or in part as directed by the Architect. The Tenderer is to insert against the hours shown the hourly rates required, calculated in accordance with the above, for the various categories of labour.

SCHEDULE OF DAYWORK RATES	
Trade	Rate per hour
Chargehand	£
Site Supervisor / Working Supervisor	£
Certified Engineer / Approved Electrician	£
Engineer / Fitter / Electrician	£
Technician	£
Apprentice	£
% Addition for non-productive overtime	%
ADDITION FOR OVERHEAD & PROFIT FOR MATERIALS USE	
Include for the total hire and running costs of plant in use in dayworks, including fuel, spares, and transport to and from the site, unloading and loading.	%
Include for the total cost of materials for use in dayworks including any associated transport costs.	%
Sub-contractors	%



6-0 CONSTRUCTION (DESIGN AND MANAGEMENT) REGULATIONS 2015

We confirm that we are able to allocate sufficient and adequate resources to perform the duties as assigned to the Contractor under the Construction (Design and Management) Regulations 2015.

We have enclosed evidence which demonstrates our competence to perform the duties as set in Appendix 4 of the Construction (Design and Management) Regulations 2015 Approved Code of Practice.

SCHEDULE OF ENCLOSED DOCUMENTATION
Stage 1, Organisation and Arrangements for Health & Safety Management: -
Stage 2, Experience and Track Record : -

**7-0 SCHEDULE OF ADDENDUMS**

During the course of preparing our tender for the Works details in this Tender Analysis and described in the Associated Specification and drawings, the following Addendums were issued by the Engineer.

We hereby agree that all costs have been included in our tender for the items detailed in the Addendums, including any costs associated with Sections 1 and 2 of this Specification.

SCHEDULE OF ADDENDUMS	
Addendum Number	Date Issued

8-0 SCHEDULE OF WORK TO BE SUB-LET

The Tenderer shall indicate below the names of all Firms for which it is proposed to sub-let any part of the works.

SCHEDULE OF WORKS TO BE SUB LET	
Work to be sub-let	Name of Sub Contractor

9-0 TENDER SUMMARY

We, the undersigned, do hereby offer to carry out the whole of the work described in this Specification, and the associated drawings for the project as referenced above, in strict accordance with the terms and conditions thereof, for the following sums of money: -

TENDER SUMMARY		
Item	Description	Total Cost
1	Project Tender Costs	£
2	Provisional Sums	£
Total Fixed Price		£
State any inclusion for Contractor's Overhead & Profits (OH&P) -----%		£
Total		£

ACTIONS	
Complete?*	Description
YES / NO	Schedule of Day Work Rates COMPLETED?

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YES / NO	CDM - Evidence of Competence ENCLOSED?
YES / NO	Material Schedule COMPLETED?
YES / NO	Schedule of Alternative Materials (refer Clause 1B-5) ENCLOSED?
YES / NO	Schedule of Addendums COMPLETED and INCLUDED?
YES / NO	Schedule of Work to be Sub-Let COMPLETED?

** Delete as necessary*

TO BE COMPLETED AT TIME OF TENDER	
FIRM	
ADDRESS	
SIGNED	
DATE	