



Galileo Energy Services

Unit A6, Celbridge M4 Business Park, Maynooth Road, Celbridge, Co. Kildare.

Tel: 01-6274103

www.galileoenergy.ie

**NUNS CROSS NATIONAL SCHOOL,
ASHFORD,
CO. WICKLOW.**

ROLL NUMBER: 11649S

MECHANICAL SERVICES SPECIFICATION

VOLUME C.2.3

MECHANICAL FORM OF TENDER

TENDER ISSUE (T1)

Document Control: J22053/T1/C.2.3

Rev:	Date:	Prepared By:	Quality Check By:
T1	23.07.26	Robert Whyte	Gerd Benndorf



Galileo Energy Services

Unit A6, Celbridge M4 Business Park, Maynooth Road, Celbridge, Co. Kildare.

Tel: 01-6274103

www.galileoenergy.ie

Table of Contents

SECTION 1.0	MECHANICAL TENDER RETURN.....	3
SECTION 2.0	PRELIMINARIES.....	4
SECTION 3.0	TENDER BREAKDOWN.....	5
SECTION 4.0	SUMMARY OF PRICES.....	11



Galileo Energy Services

Unit A6, Celbridge M4 Business Park, Maynooth Road, Celbridge, Co. Kildare.

Tel: 01-6274103

www.galileoenergy.ie

SECTION 1.0

MECHANICAL TENDER RETURN

Tender for: Nuns Cross National School, Ashford, Co. Wicklow – New ASD Unit.

To: _____

Sirs,

We have examined and understand the Contract, the Works Requirements, the Pricing Document, all as amended by any supplemental information, for the above contract. Terms used in this Tender that are defined in those documents have the same meaning in this Tender. We submit with this Tender the completed Pricing Document and Schedule and Works Proposals, which form part of this Tender.

I/We hereby undertake to execute and complete the whole of the works described in the tender documents and to comply with the conditions thereof for the fixed price of:

(Euros) €.....

(In words).....

Tendering Company Information

Name of Tenderer _____

Address _____

Signed _____

Date _____



Galileo Energy Services

Unit A6, Celbridge M4 Business Park, Maynooth Road, Celbridge, Co. Kildare.

Tel: 01-6274103

www.galileoenergy.ie

SECTION 2.0 PRELIMINARIES

The Contractor shall include below for all other preliminary items required for the satisfactory completion of the installation. Unless the tenderer specifically notes an amount of money or “not included” after each of the Preliminary items, it shall be taken by default that any costs associated with these items are included in the totalled tender figure:

Ref:	Description	Amount € EURO
2.1	Plant, tools. Ladders, vehicles, temporary buildings and any other support facilities required.	€
2.2	Scaffolding, access platforms, hoisting	€
2.3	Health, safety, welfare and training of personnel	€
2.4	Requirements of local authorities and others having jurisdiction; police regulations, customs duties/levies	€
2.5	Setting out, supervision and programming	€
2.6	National insurance and pensions for personnel; holidays, incentive bonus; transfer of personnel; country money.	€
2.7	Safeguarding the works, materials (including Employer's materials) and plant against damage left.	€
2.8	Maintenance of existing buildings, facilities, roads and repair of damage done by this Contractor	€
2.09	Insurances	€
2.10	Preparation of working drawings	€
2.11	Builders work drawings, setting out and supervision of associated builders work activities	€
2.12	Labelling; provision of operating and maintenance manuals; as-built drawings; commissioning data records, instructing and training employer's representatives	€
	Sub total 'Preliminaries' to Summary of Prices in Section 4	€



Galileo Energy Services

Unit A6, Celbridge M4 Business Park, Maynooth Road, Celbridge, Co. Kildare.

Tel: 01-6274103

www.galileoenergy.ie

SECTION 3.0 TENDER BREAKDOWN

Please note that for tendering purposes it is necessary that the Contractor shall fill out the tender return with the breakdown costs identified for the necessary items. Please note failure to comply with this instruction will render your tender in valid.

Ref:	Description	Amount € (Euros)
	GENERAL	
Item	Building control regulations	€
Item	Builders work	€
Item	Co-ordination	€
Item	Decommissioning of existing services	€
	Other	
a.		
b.		
	Sub-Total for 'General' carried forward to Summary of Prices in Section 4	€
M50.0	SITE SERVICES	N/A
M50.01	Existing underground mains water supply to the building	€
M50.02	Decommissioning of the existing plastic oil tank and associated oil pipework	€
M50.03	New LPG gas tank compound	€
M50.04	Attendances to the installation of the new LPG gas tank	€
M50.05	External underground gas pipework from the LPG gas tank compound to the boilerhouse	€
M50.06	External overground gas pipework	€
M50.07	Other	
a.		
	Sub-Total for 'Section 50' carried forward to 'Summary Section 4'	€



Galileo Energy Services

Unit A6, Celbridge M4 Business Park, Maynooth Road, Celbridge, Co. Kildare.

Tel: 01-6274103

www.galileoenergy.ie

Ref:	Description	Amount € (Euros)
M51.0	HEATING CENTRE	
M51.01	Survey of the existing installation in the boilerhouse	€
M51.02	Decommissioning of the mechanical items in the existing boilerhouse	€
M51.03	New gas boilers, low loss header and pre-assembled cascade header	€
M51.04	Flues	
M51.05	Pipework, fittings, valves and accessories	€
M51.06	Insulation on LPHW and water services pipework in the boilerhouse	€
M51.07	Condensate pipework from the new boilers and flues	€
M51.08	Condensate Neutraliser	€
M51.09	Circulating pumps	€
M51.10	New pressurisation unit and expansion vessels for the heating system	€
M51.11	Dosing Pot	€
M51.12	Plate heat exchanger	€
M51.13	BMS Controls	€
M51.14	Flush out, pressure test and corrosion inhibitor	€
M51.15	Full system re-balance	€
M51.16	Commissioning	€
M51.17	Other	
a.		
	Sub-Total for 'Section 51' carried forward to 'Summary Section 4'	€
M52.0	DRAINAGE AND REFUGE DISPOSAL	
M52.01	Soils and wastes pipework	€



Galileo Energy Services

Unit A6, Celbridge M4 Business Park, Maynooth Road, Celbridge, Co. Kildare.

Tel: 01-6274103

www.galileoenergy.ie

Ref:	Description	Amount € (Euros)
M52.02	Floor gullies	€
M52.03	Soil vent pipes	€
M52.04	Connection to equipment	€
M52.05	Fire Collars	€
M52.06	Insulation on waste pipework	€
M52.07	Overflow pipework from water tank	€
M52.08	Other	
a.		
	Sub-Total for 'Section 52' carried forward to 'Summary Section 4'	€
M53.0	WATER SERVICES	
M53.01	Mains water services pipework and installation	€
M53.02	Cold water services pipework and installation	€
M53.03	Hot water services supply pipework and installation	€
M53.04	Hot water services return pipework and installation	€
M53.05	Insulation of water services pipework	€
M53.06	Connection to equipment and sanitary ware	€
M53.07	Shower panels	€
M53.08	Thermostatic mixing valves	€
M53.09	Water Storage Tank	€
M53.10	Control valves and ballofix valves	€
M53.11	Indirect hot water cylinder	€
M53.12	Pressure test	€
M53.13	Sterilisation of the cold water system	€
M53.14	Sanitary ware	€
M53.15	Other	€
a.		
b.		



Galileo Energy Services

Unit A6, Celbridge M4 Business Park, Maynooth Road, Celbridge, Co. Kildare.

Tel: 01-6274103

www.galileoenergy.ie

Ref:	Description	Amount € (Euros)
	Sub-Total for 'Section 53' carried forward to 'Summary Section 4'	€
M54.0	GAS SERVICES	N/A
M54.01	External underground gas pipework	€
M54.02	External overground gas pipework	€
M54.03	Internal gas pipework for the building	€
M54.04	Isolation valves	€
M54.05	New gas detection system for the boilerhouse	€
M54.06	Other	€
a.		
b.		
	Sub-Total for 'Section 54' carried forward to 'Summary Section 4'	€
M55.0	COOLING SYSTEMS	N/A
M56.0	SPACE HEATING INSTALLATION	
M56.01	Low water content radiators	€
M56.02	LPHW pipework and pipework supports	€
M56.03	Below ground pipework (ASD Unit)	€
M56.04	Heating Manifold	€
M56.05	Insulation	€
M56.06	Radiator valves	€
M56.07	Thermostatic radiator valves (TRVs)	€
M56.08	Motorised Two-port valves and combined temperature sensor and CO2 sensor in rooms (controlled by BMS)	€
M56.09	Flush out and pressure test	€
M56.10	Commissioning	€
M56.11	Other	€



Galileo Energy Services

Unit A6, Celbridge M4 Business Park, Maynooth Road, Celbridge, Co. Kildare.

Tel: 01-6274103

www.galileoenergy.ie

Ref:	Description	Amount € (Euros)
a.		
	Sub-Total for 'Section 56' carried forward to 'Summary Section 4'	€
M57.0	MECHANICAL VENTILATION	
M57.01	Galvanised sheet metal ductwork	€
M57.02	New Ductwork to and from heat recovery units	€
M57.03	Insulation to be installed on new ductwork	€
M57.04	Flexible Ductwork	€
M57.05	New floor standing heat recovery units	€
M57.06	Motorised back draught damper	€
M57.07	External louvre & External Wall Hoods	€
M57.08	Internal grilles	€
M57.09	Roof Termination Cowls	€
M57.10	Extract fans	€
M57.11	Volume control/balancing dampers	€
M57.12	Labelling and identification	€
M57.13	Commissioning	€
M57.14	Other	
a.		
b.		
	Sub-Total for 'Section 57' carried forward to 'Summary Section 4'	€
M58.0	PROTECTIVE SERVICES	
M58.01	Fire extinguishers	€
M58.02	Other	
	Sub-Total for 'Section 58' carried forward to 'Summary Section 4'	€
M59.0	COMMISSIONING, INSTRUCTION TO CLIENT AND HANDOVER	
M59.01	Commissioning of systems	€



Galileo Energy Services

Unit A6, Celbridge M4 Business Park, Maynooth Road, Celbridge, Co. Kildare.

Tel: 01-6274103

www.galileoenergy.ie

M59.02	O&M Manuals	€
	Sub-Total for 'Section 59' carried forward to 'Summary Section 4'	€



Galileo Energy Services

Unit A6, Celbridge M4 Business Park, Maynooth Road, Celbridge, Co. Kildare.

Tel: 01-6274103

www.galileoenergy.ie

SECTION 4.0

SUMMARY OF PRICES

Ref:	Description	Amount €
	Sub-total 'Preliminaries'	€
	Sub-total 'General'	€
	Sub-total 'Section M50'	€
	Sub-total 'Section M51'	€
	Sub-total 'Section M52'	€
	Sub-total 'Section M53'	€
	Sub-total 'Section M54'	€
	Sub-total 'Section M55'	N/A
	Sub-total 'Section M56'	€
	Sub-total 'Section M57'	€
	Sub-total 'Section M58'	€
	Sub-total 'Section M59'	€
Total Amount of Tender (Fixed Price)		€
<i>Forward cost to Main Contractor for inclusion in their Pricing Document'</i>		

Notes:

1. Fixed price contract. This contract will be treated as a fixed price contract.
2. Complete this tender and ensure that the total figure above is included in the Main Contractors – 'Pricing Document'.
3. Please note failure to comply with this instruction will render your tender invalid.