



**BUILDING SERVICES LIMITED.
CONSULTING ENGINEERS**

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**EPA WEXFORD
MECHANICAL SERVICES SPECIFICATION
AND
SUMMARY OF TENDER**

DEFINITIONS

CLIENT:	EPA WEXFORD
ARCHITECTS AND PROJECT MANAGERS:	Vincent Hannon Architects 2 nd Floor Hanson Building Doorley Park Road, Sligo
QUANTITY SURVEYORS:	TBC
STRUCTURAL ENGINEERS:	TBC
MECHANICAL & ELECTRICAL SERVICES ENGINEERS:	MED Building Services Limited Unit 6, Clondalkin Business Centre, Crag Crescent, Clondalkin, Dublin 22.

Note

Please contact MED if you have any questions 01-4572025.

Mechanical Services Installation

Outline Specification

The contractor shall read the outline specification in conjunction with the mechanical service installation floor plans and schematics which includes standard notes and sizes of plant and equipment.

1. Heating installation.

The majority of the existing LPHW heating plant / radiators are to be retained, and one modification to be made to the reception desk existing radiator installation.

All existing heating thermostats are to be retained.

One radiator built into the rear wall of the reception desk is to be removed and pipes capped to facilitate the new Reception Area desk refurbishment.

Note

Electrical contractor to install new radiant heating in new reception enclosure c/w DTB 2R controller.

2. Water services installation

The existing water services are not part of the refurbishment works.

The entire water services installation is run in copper pipework unless agreed with Engineer or client representative. Table X.

All concealed pipework shall be insulated, armaflex insulation, class O fire rated.

The entire hot and cold-water systems is a pressurized system.

The Water services installation shall comply with Wexford County Council requirements, BS6700:2006 & IS EN 806-2:2005 standards.

3. **Soils and waste**

The soils and waste installation is not to be touched as part of the refurbishment works in the Reception Area.

The soils and waste installation shall be run in PVC pipework suitable for internal or external installations, to minimize running water noise. Unless agreed with Engineer

The soils and waste installation shall comply with Wexford County Council requirements and BS EN 12056-1:2000, BS EN 12056-2:2000 and BS EN 12056-5:2000.

4. **Ventilation installation**

The ventilation installation shall not be part of the Reception Area / Storage Area refurbishment works.

The position of Fire Walls to be confirmed in relation to the Storage Area and existing ductwork.

Requirement of fire dampers in existing ductwork to be confirmed on site during opening up works to install the fire rated partitions as per the Architects drawings and Fire Consultants requirements.

Mechanical Contractor to make allowance for the works, subject to site investigations. Figure in Tender summary to be clearly identified.

Summary of Mechanical Tender

Item No.	Description	Euro €
1.1	Amount for Tracing existing services in floor /ceiling voids to facilitate isolation of the existing services and to facilitate the refurbishment of the existing Reception Desk area, at the Ground floor Entrance Area,	
1.2	Amount for the reception desk radiator alterations and the capping of the existing LPHW F&R pipework to the radiator / radiator removal.	
1.3	Allowance for potential fire damper in the new storage area within the new fire rated partitions, Ground floor level.	
1.4	Amount for work not identified within the drawings / scope of works.	
1.5	Amount for testing and commissioning	
1.6	Amount for “As built drawings” / O&M manuals 2 copies.	
1.7	Amount for work not listed above or indicated on drawings.	
	Sub Total	
	VAT @ 13.5%	
	Total incl. VAT	

FORM OF TENDER DOCUMENT

I/We have inspected the site and examined the appropriate section of the Contract Documents, including Specifications, conditions of Contract and Drawings.

I/We do hereby undertake to supply all necessary labour, plant and material required to carry out the work described in the Contract Documents, to the complete satisfaction of the Architects and Engineer for the sum of:

_____ (in words)

(Including _____ V.A.T.)
(in words)

Euro _____

I/We are prepared to enter a Contract Agreement with the Main Contractor in accordance with the R.I.A.I. Form of Contract Latest Edition (where quantities do not form part of the contract).

I/We agree to complete the works to the Architect's satisfaction all in accordance with the programme provided with the Tender documentation.

I/We name the following Insurance Company:

Name: _____

Address: _____

As a surety bond in a sum equivalent to 25% of the Tender for the due and proper completion of the works within the time stipulated in the Form of Tender and Contract Documents.

I/We understand that the Client is not obliged to accept the lowest or any tender and also that we shall not be remunerated for any inconvenience or expense incurred in compiling this Tender.

Name of Firm: _____

Address: _____

Bill of Quantities

- a. The Mechanical Contractor shall submit, with his Tender but in a separate and sealed envelope, his priced Bill of Quantities for the project. This envelope will be opened by the Engineers during appraisal of the lowest tenders.

Unsuccessful Tenders will receive their priced bills returned. The priced bill of the successful Tenderer shall be opened after he has been informed, and he has given permission to open the Bill of quantities.

- b. Extra works which may be required will be the subject of quotations in writing to the Engineers priced per the accepted Bill of Quantities and presented in Bill of Quantity form to indicate rates used.

Such extra works shall not commence until the quotation is accepted in writing by the Engineers.

- c. Where extra works are required and authorised by the Engineers but where Mechanical Contractors priced Bill of Rates or Quantities do not apply, such work shall be carried out at the following rates.

Labour

The following rates shall indicate the net hourly labour rate and the additional percentage required to include all overheads i.e. the use and repair of hand tools, insurances and social welfare charges, pay related benefits, pension and sick pay scheme, training levy assessment, out-working expenses and dirty money, overheads and profit.

For normal hours, productive time: -

Chargehand Tradesman per hour plus.....%

Tradesman..... per hour plus.....%

Senior Apprentice Tradesman.....per hour plus.....%

Junior Apprentice Tradesman.....per hour plus.....%

Labourer / Helper per hour plus.....%

These rates must be shown. Reference to the Association of Mechanical Contractors is not acceptable.

For overtime hours, non-productive time -

.....% as per the percentage on the nett hourly rate required for overheads, etc., on non-productive time, if overtime is sanctioned for the completion of day works.

Materials

The following rates will apply to materials and carriage extra to the contract -

Materials - nett cost plus%

Carriage - nett cost plus%

Signature

For and on Behalf of

.....

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Date