



Tenderer.....

SCHEDULE 3



SECTION 10

TENDER RESPONSE

FOR

ERSKINE COURT, SPRING GARDENS TERRACE, SPLOTT, CARDIFF. CF24 1QX

In conjunction with this document, please include a full commercial return/sales offer.

The Lift Contractor should note that if at the time of evaluation of their Tender, all technical and other details within this document have NOT been completed, this will cause their offer to be invalidated.

TÜV SÜD will participate in the procurement process of this project, in conjunction with Cardiff Community Housing Association.



10.1 Technical and Constructional Details of Equipment

The Tenderer shall supply the following information.

COMPLIANCE WITH STANDARDS

In addition to compliance with the requirements of the Lifts Regulations 2016 as amended, BS EN81-20 & BS EN81-50 the Lift Contractor shall confirm compliance in full of the following:

BS EN81-70 Accessibility	Yes / No
BS EN81-71 – Vandal Resistance – Category 1	Yes / No
BS EN81-71 – Vandal Resistance – Category 2	Yes / No
BS EN81-72 – Fire Fighting	Yes / No
BS EN81-73 – Fire Recall	Yes / No
BS EN81-21 – Existing Building (Lift Contractor to include details of headroom & pit refuge space safety provisions)	Yes / No

BASIS OF LIFT DESIGN

Passenger Lift to BS EN81-20 & 50	Yes / No		
Passenger Lift to BS EN81-20 & 50 (with Mobility Scooter loading)	Yes / No		
Goods Passenger Lift to BS EN81-20 & 50	Yes / No		
Lift Car Capacity	kg/		Pers
Speed	m/s		
Car Dimensions	W x	D x	H x

LIFT MACHINE

Machine bearers, type and size	
Method of vibration isolation	
Type and size of pockets or pad stones required for support	

METHOD OF EMERGENCY OPERATION

Manual means	
Electrical means	

MOTOR

Type, including Trade Name Rating in HP or kW	
Speed in RPM	
Duty Cycle (starts per hour)	
Heat output at full load/duty	
F.L. starting current	



F.L. running current

Power factor

Name of manufacturer

MOTOR PROTECTION

Type, state number of protective devices

Time for protection to trip on stall

TRACTION AND DIVERTER SHEAVES

Maximum suspended load on drive sheave

Traction sheave diameter

Diverter sheave diameter

Calculated Safety Factor

BRAKE ASSEMBLY

Number of brake shoes

Number of springs

Coil voltage and current

Volts

Amps

Manufacturer

OVERSPEED GOVERNOR

Method of remote tripping/resetting

Electrical trip speed

Mechanical trip speed

Rope diameter and construction

Manufacturer and type No.

OSG Location (Required*)**CONTROLLER**

Location

Floor level

Entrance Frame / Front Wall / Other (provide details)

Dimensions

Manufacturer

Type

Voltage

Method of achieving lamp reliability



Expected life of solid-state components

Method of temperature monitoring

Heat output

UKCA marked?

Programming/Interrogation Device provided to be Purchaser?

Yes / No

GUIDES

Car: "T" number and size

Counterweight: "T" number and size

Counterweight guides hollow

Maximum pitch of fixing

Guide clip type

Yes / No

GUIDE SHOES

Make and type

Dimensions of guide shoe

Diameters of rollers (if applicable)

Method of self-adjustment

Method of lubrication

BUFFERS

Car: type and number

Counterweight: type and number

CAR AND FRAME

Total weight of car and sling

Load weighing devices, type and number

Method of car balancing

Method of car body isolation

Confirm Loadings

Maximum weight of car finishes

40% / 60%

SAFETY GEAR

Description

Maker's name and type number

UNINTENDED MOVEMENT

Means of detection

Means of prevention



Stopping means

SUSPENSION ROPES

Number and diameter

Tensile strength

Construction and lay

Breaking force per rope/chain

Method of rope isolation/equalising

Current selling price per/M rope/chain/belt

CAR ENCLOSURE (Section 5)

Name of supplier/manufacture

Number of car top refuge spaces

Confirm compliance to specification finishes

Yes/No

MECHANICS CAR TOP CONTROL STATION

Name of supplier/manufacture

Model of car top emergency light

Model of car top socket outlet

MECHANICS LIFT PIT CONTROL STATION

Name of supplier/manufacture

Number of pit refuge spaces

PIT ACCESS LADDER

Name of supplier/manufacture

BS EN81-20 Design Type (Type 1, 2a, 2b, 3a, 3b or 4)

DOOR OPERATOR/DOOR EQUIPMENT

Make and type number

Method of car/landing coupler

Rated starts per hour

Confirm Sill Loadings

40% / 60%

Life expectancy of belts if used

AC or DC

AC or DC

Method of speed control and adjustment

Opening speed (std)

Type of car door lock



UKCA marked?	_____
Means of emergency release	_____
Closing speed (std)	_____
Pre-opening?	_____
Method of isolation from car bodywork	_____
Method of self-closing	_____
Minimum clear opening width	_____ mm
Minimum clear opening height	_____ mm
Landing door BS EN 81-58 fire certificate rating	_____

DOOR SAFETY DEVICES

Type of landing lock	_____
Voltage of lock circuits	_____
Firefighters Lift Lock IP rating	_____
Emergency release type	_____
Means of releasing lowest lock from within the lift pit	_____

DOOR PROTECTIVE DEVICE (With Visual Aid)

Manufacturer and reference	_____
Number of beams	_____
Extent of detector field on to landing	_____
Location of device (door edge/ back of sill)	_____

LIMITS AND SWITCHES

Type and make of limit switches	_____
Type and make of positioning system	_____
Confirm Mechanical inspection limit included	Yes/No

AUTO RECHARGE UNITS

Make and type number	_____
Total power output in watt/hours	_____
Consumption of emergency lighting	_____
Consumption of alarm bell	_____

MAINS SUPPLY

Main switch type and rating	_____
Fuses type and rating	_____
Mains riser rating and construction	_____

**WIRING**

State method of wiring and protection

Shaft wiring LSZH

Yes / No

TRAVELLING CABLES

Type of trailer and construction

Manufacturer

Number of ways

Make of travelling cable

Make of anchorage system

LSZH

Yes / No

PUSHES AND FIXTURES

Manufacturer and reference of landing call units

Model Number/Series

Location of braille/tactile markings illumination method

IPX rating

Manufacture and reference of position / direction indicators

IPX rating

Manufacture and reference of car operating panel

IPX rating

Grade of material and finish

Vandal Resistance Category (CAT1/2)

Lift Contractor to supply illustrations and descriptions of all units in the supporting documents.

VOICE SYNTHESISER

Manufacturer and model

Method of voice reproduction

Maximum number of messages

On site re-programmable?

Yes / No

Location of speaker

Location of inductive loop

CCTV CABLE PROVISION

Yes/No



AUTO DIALER (Avire System with GSM)

Manufacturer and model

No. of numbers

Message enunciator

Line requirements

Speaker/Mic location

Sim Card included with 12-month coverage

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Yes/No

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**ADDITIONAL INFORMATION****Safety Component Type Test Certification**

Component	Brake	Governor	Safety Gear	UCM Device	Buffer	PESSRAL Devices	Doors
Approved Body Number							
Certificate Number							
Certificate Date							

LEIA Member

Yes / No

Constructionline Member No.

Quality system certification

Environmental system certification

Forecast of life of the installation based on anticipated usage

MAXIMUM HEIGHT OF EQUIPMENT

(a) Hoisting unit

(b) Controller cabinet

This Schedule must be completed in every particular, signed and dated and returned with the Tender. Any deviations from the Specification and any other information relevant to the Tender shall be set out by the Lift Contractor on a separate sheet as an additional Schedule of Particulars.



NAME OR TRADING NAME OF LIFT CONTRACTOR _____
 ADDRESS _____
 SIGNATURE _____ DATED _____
 NAME _____

Noise and Vibration – Machine Room-less

State **expected** levels of noise and vibration in the various conditions. The Lift Contractor shall be expected to provide all necessary instrumentation to demonstrate these criteria are met.

Minimum Standards Acceptable

Noise level in shaft 1m from motor under all load conditions	-----dBA	65 dBA
Car interior fan on	-----dBA	55 dBA
Car interior fan off	-----dBA	50 dBA
1m from landing doors on landing during lock engagement	-----dBA	55 dBA
Acceleration rate	----- m/s ²	1.0 m/s ²
Jerk rate	----- m/s ³	1.5 m/s ³

Vibration in car ISO Filtered mg

Maximum Peak to Peak Vertical	-----mg	12 mg
Maximum Peak to Peak Horizontal	-----mg	10 mg

NAME OR TRADING NAME OF LIFT CONTRACTOR _____



ADDRESS _____
 SIGNATURE _____ DATED _____
 NAME _____

10.2 Project Team

PROJECT MANAGER	
The Project Manager for the project will be (Name)	
The Project Manager is based at (full address)	
Project Managers Qualifications	
Frequency of Site Visits of Project Managertimes per weektimes per month
PROJECT DESIGN ENGINEERS	
The Project Design Engineer for the project will be (Name)	
The Project Design Engineer is based at (full address)	



Does the Company have Full Quality Assurance to Annex IX to the Lifts Directive?	
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NAME OR TRADING NAME OF TENDERER _____

ADDRESS _____

SIGNATURE _____ DATED _____

NAME _____

10.3 Production Schedule

To be completed by the addition of the appropriate program dates and returned with the Tender.

Date of order instructions to proceed	_____
Builder's work GA drawings submitted to Contract Administrator	_____
Lift car construction and design drawings submitted to Contract Administrator	_____
Commencement of materials procurement	_____
Completion of materials procurement	_____
Completion of manufacturing Drawings	_____
Major components available for off-site inspection, in particular the gear/motor assemblies, controllers, car frame and safety gear	_____



Complete all manufacturing

Commence deliveries to site

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The Lift Contractor, in completing this Schedule, is to state the most favorable deliveries and program they are able to achieve. It should be noted that in evaluating the submitted Tender, program and delivery will be taken into account.

NAME OR TRADING NAME OF LIFT CONTRACTOR

ADDRESS

SIGNATURE DATED

NAME

10.4 Schedule of Site Works (New Lifts Traction)

Anticipated Labour on Site	
	No. of Working Days
Enabling Works	
Removal of Existing Equipment	
Erect shaft scaffolding (If required) including landing barriers and toe boards.	
Install and plumb guides.	
Install landing sills and entrances including architraves.	
Hang landing doors and adjust.	
Fit all shaft switches and fit landing pushes and indicators.	
Position machine equipment.	
Trunk tube and wire machine.	
Trunk tube and wire lift shaft.	



Install counterweight/car slings and safety gear and fit main suspension ropes.	
Install lift car and fit all internal and external equipment	
Fit landing fascia and all covers.	
Clean down, paint and lubricate.	
Final adjustments and domestic testing.	
Witness tests.	
Special requirements, if any.	
Total working days per lift.	

Total number of person days on site (CDM 2015 Regulations) ____ Days.

The Lift Contractor to provide separate method statement fully detailing the operations to achieve these periods.

NAME OR TRADING NAME OF LIFT CONTRACTOR _____
 ADDRESS _____
 SIGNATURE _____ DATED _____
 NAME _____

10.5 Schedule of Working Hours

The Lift Contractor is to insert in the Schedule the starting and finishing hours for their operations to achieve the periods detailed in the Schedule of Site works.

Monday – Friday	_____	am	_____	pm
Saturday	_____	am	_____	pm
Sunday	_____	am	_____	pm



NAME OR TRADING NAME OF LIFT CONTRACTOR _____
ADDRESS _____
SIGNATURE _____ DATED _____
NAME _____

10.6 Schedule of Work to be Sub-Let.

This Schedule must be completed and returned with the Tender.

Failure to comply may disqualify the Tender.

The Lift Contractor is to give below the names and addresses of those firms to whom it is proposed to sub-let portions of the work not normally carried out by themselves.

This Schedule shall not be subsequently modified without prior permission in writing from the Engineer.

The Engineer reserves the right to reject any proposed sub-contractor and to request an alternative.

The Lift Contractor shall provide copies of invoices from vendors or sub-contractors at the Engineer's request, showing an agreed on cost of -----%.



Name and address of proposed Sub-Contractor	Work to be sub-let of proposed Sub-Contractor

NAME OR TRADING NAME OF LIFT CONTRACTOR

ADDRESS

SIGNATURE DATED

NAME

10.7 Schedule of Day-work Charges

We undertake to execute any works specifically authorised to be charged at daywork rates at net cost plus the following percentages:

Labour	Plus	%
Fares & Allowances	Plus	%
Materials	Plus	%
Plant	Plus	%
Sub-Contractors	Plus	%
Contractor's percentage to be added to Prime Cost Items (MF/1 Rev 6 c.5.1) if applicable	Plus	%

**NOTE:**

On-costs include establishment charges and all insurance and holiday with pay contributions.

Labour to be wages of work people (i.e. chargehands, fitters and mates, but not weekly or monthly paid foreman, supervisors, draughtsmen, store men and clerks) based on trade union rates including overtime and payments in respect of travelling based on time or distance.

Allowances will comprise outworking lodgings, out-of-pocket expenses and dirty money payments. Fares and allowances for broken days are to be calculated on the percentage of a full week's labour excluding overtime.

Materials to be at net cost (delivered to site) and after deducting all discounts.

The Lift Contractor shall enter below the net basic labour rates on which the tender is based and shall add rates of any work people which it is proposed to bring onto site.

	Normal Working Hours		Out of Normal Working Hours	
	a	b	c	d
	Between 0800-1700	Between 1700-1900	After 1900 hrs & Sat	Sundays & Bank Holidays
Fitter	£ p/h	£ p/h	£ p/h	£ p/h
Mate	£ p/h	£ p/h	£ p/h	£ p/h
C/hand	£ p/h	£ p/h	£ p/h	£ p/h

NAME OR TRADING NAME OF LIFT CONTRACTOR

ADDRESS

SIGNATURE DATED

NAME

10.8 Deviations from Specification

The Lift Contractor shall list any deviations from the specification in the schedule below.

Deviations from the required contractual or technical content of this specification tender shall be scored accordingly in the tender appraisal.

Where no deviations are listed it will be deemed that the price quoted by the Lift Contractor includes the whole of the work to be carried out as specified herein and no later requests for deviation will be considered.

Clause of Specification Deviated From	Description of Deviation



NAME OR TRADING NAME OF LIFT CONTRACTOR

ADDRESS

SIGNATURE

DATED

NAME

10.9 Summary of Prices

Summary of Prices

All prices to be net, fixed for the duration of the contract program.

Contract Preliminaries	£
Compliance with CDM 2015 Regulations	£
Approved Body Approvals	£
Compliance with BS EN81-20 & 50, Lifts Regulations 2016 as amended	£



Design, Manufacture, Deliver, Install and Commission One Lift <i>Excluding</i> Car Finishes	£
Car Finishes to one lift as Specified	£
Removal of Existing Equipment	£
Builders Work	£
Electrical Work	£
Replacement Electrical Supply Cable	£
Retention Bond	£
Performance Bond	£
Maintain Lift Equipment During Defects Liability	£
Provisional Sum for Contingencies	£00.00-----

SUM CARRIED TO FORM OF TENDER	£
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OPTIONAL ITEMS (FOR INFORMATION ONLY)

Additional price for Drive System VVVF Regenerative	£
Additional price for ARD device	£

MAINTENANCE

Comprehensive Maintenance after Expiry of Defects Liability Period	£
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LEIA INDEX AT TIME OF TENDER

Contracts	£
Maintenance	£

NAME OR TRADING NAME OF LIFT CONTRACTOR _____

ADDRESS _____

SIGNATURE _____ DATED _____

NAME _____



FIXED PRICE FORM OF TENDER
FOR
REPLACEMENT PASSENGER LIFT
AT
ERSKINE COURT, CARDIFF

To: **Cardiff Community Housing Association Limited**

I/We the undersigned hereby undertake to execute and complete the whole of the Works described in strict conformity with the Specification and to the satisfaction of the Engineer in a sound manner and to commence work on site within a period of weeks after the placing of the Order and to complete the work within the Contract period of weeks

for the sum of: £-----

which sum includes for all primary costs, provisional and contingency sums mentioned in the Specification, but is exclusive of Value Added Tax.

It is understood that this tender sum has been prepared on a Fixed Price Basis with all prices fully fixed for the duration of the total programme given above.

This offer will remain open for **three months** from the date of Tender.

FOR AND ON BEHALF OF _____
ADDRESS _____
TELEPHONE NO _____
SIGNATURE _____ POSITION _____
NAME _____

This Tender shall be returned to: **Sell2Wales**

