



## **SCHEDULE - TENDER PARTICULARS FOR:**

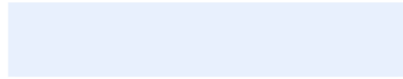
- **AVONDALE COURT (LOTS 1)**
- **GALLEON WAY FLATS (LOT 2)**
- **SELWYN MORRIS COURT (LOT 3)**

## TENDER PARTICULARS

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.

All sections highlighted below in yellow shall be completed by the Lift Contractor

Where a signature is required click on the blue box below and copy and paste the signature image directly into the box

| SIGNATURE                        |                                                                                      |
|----------------------------------|--------------------------------------------------------------------------------------|
| NAME OR TRADING NAME OF TENDERER |   |
| ADDRESS                          |   |
| NAME OF SIGNATORY                |   |
| SIGNATURE                        |  |
| DATE                             |   |



**FIXED PRICE FORM OF TENDER  
FOR  
LIFT REPLACEMENT PROJET AT AVONDALE COURT  
(LOT 1)**



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 and workmanlike manner.

We confirm that we will commence work on site within a period of [redacted] weeks following receipt of order.

We confirm that the lift equipment will be fully installed, commissioned, free from defects and put into operational service within a period of [redacted] weeks following commencement of work on site.

for the sum of £ [redacted]

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.

| SIGNATURE                        |            |
|----------------------------------|------------|
| NAME OR TRADING NAME OF TENDERER | [redacted] |
| ADDRESS                          | [redacted] |
| NAME OF SIGNATORY                | [redacted] |
| SIGNATURE                        | [redacted] |
| DATE                             | [redacted] |

## TENDER PARTICULARS

### 1.1 Schedule of Prices

#### Schedule of Prices



## 1.2 Schedule of Acceptance

The Lift Contractor must submit the following information at the time of Tender.

### 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, BS EN81-20 & BS EN81-50 the Lift Contractor shall confirm compliance with the Specification, Technical Summary & Annexes outlined in Section 1.

| ACCEPTANCE OF SPECIFICATION, TECHNICAL SUMMARY & ANNEXES                                                                                                                                                                                                                                                     |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| We confirm that we have read and fully understand the specification and information contained within the Technical Summary and Annexes. The basis of our offer is to comply fully with the specification with the exception of only those items listed under <b><i>“Deviations to the Specification”</i></b> |  |

| SIGNATURE                        |  |
|----------------------------------|--|
| NAME OR TRADING NAME OF TENDERER |  |
| ADDRESS                          |  |
| NAME OF SIGNATORY                |  |
| SIGNATURE                        |  |
| DATE                             |  |

### 1.3 Schedule of Equipment

| LIFT PACKAGE            |  |
|-------------------------|--|
| Manufacturer's name     |  |
| Model                   |  |
| Rate Load Capacity (kg) |  |
| Rated Speed (m/s)       |  |
| BS EN81-21 (Yes / No)   |  |

| LIFT MACHINE (GEARLESS – RATED 125% WITHOUT FORCED FAN VENTILATION) |  |
|---------------------------------------------------------------------|--|
| Manufacturer's name                                                 |  |
| Model                                                               |  |
| Duty Cycle                                                          |  |
| Power rating (KW)                                                   |  |
| Acceleration starting current (A)                                   |  |
| Nominal running current (KW)                                        |  |
| Heat output at full load/duty (KW)                                  |  |
| Method of emergency operation (Manual/Electrical)                   |  |

| DRIVE (ACVF)                                            |  |
|---------------------------------------------------------|--|
| Manufacturer's name                                     |  |
| Model                                                   |  |
| Duty Cycle                                              |  |
| Power rating (KW)                                       |  |
| Acceleration starting current (A)                       |  |
| Nominal running current (KW)                            |  |
| Regeneration to the mains                               |  |
| Maximum regeneration current (A)                        |  |
| Will a diagnostic/programming tool be supplied (Yes/No) |  |

| CONTROLLER                                   |  |
|----------------------------------------------|--|
| Manufacturer's name                          |  |
| Model                                        |  |
| Programmable energy saving features (Yes/No) |  |

|                                                         |                                                                      |
|---------------------------------------------------------|----------------------------------------------------------------------|
| Power rating (KW)                                       |                                                                      |
| Inspection cabinet dimensions                           | W <input type="text"/> D <input type="text"/> H <input type="text"/> |
| Will a diagnostic/programming tool be supplied (Yes/No) | <input type="text"/>                                                 |

#### CAR DOOR OPERATOR (ACVF)

|                                                         |                      |
|---------------------------------------------------------|----------------------|
| Manufacturer's name                                     | <input type="text"/> |
| Model                                                   | <input type="text"/> |
| Rated cycles (open & close) per year                    | <input type="text"/> |
| Achievable opening time                                 | <input type="text"/> |
| Achievable closing time                                 | <input type="text"/> |
| Will a diagnostic/programming tool be supplied (Yes/No) | <input type="text"/> |

#### DOOR PROTECTIVE EQUIPMENT

|                                                                                                                     |                      |
|---------------------------------------------------------------------------------------------------------------------|----------------------|
| Manufacturer's name                                                                                                 | <input type="text"/> |
| Model                                                                                                               | <input type="text"/> |
| Confirm detector covers 25mm to 1600mm above car sill and has no less than 36 diodes and 174 crossed beams (Yes/No) | <input type="text"/> |
| Location of device (door edge/back of sill)                                                                         | <input type="text"/> |

#### LANDING DOOR EQUIPMENT

|                                      |                      |
|--------------------------------------|----------------------|
| Manufacturer's name                  | <input type="text"/> |
| Model                                | <input type="text"/> |
| Rated cycles (open & close) per year | <input type="text"/> |
| Fire Rating (EN 81-58) i.e. E120     | <input type="text"/> |

#### AUTO DIAL EMERGENCY ALARM

|                             |                      |
|-----------------------------|----------------------|
| Manufacturer's name         | <input type="text"/> |
| Model                       | <input type="text"/> |
| GSM Capability (Yes/No)     | <input type="text"/> |
| SIM Card Life (1,2,3 years) | <input type="text"/> |

#### SPEECH SYNTHESISER



|                                                     |  |
|-----------------------------------------------------|--|
| Manufacturer's name                                 |  |
| Model                                               |  |
| Is voice message customisable/programmable (Yes/No) |  |

#### CAR PUSH BUTTONS

|                              |  |
|------------------------------|--|
| Manufacturer's name          |  |
| Model                        |  |
| Vandal Resistance (Cat0/1/2) |  |

#### LANDING PUSH BUTTONS

|                              |  |
|------------------------------|--|
| Manufacturer's name          |  |
| Model                        |  |
| Vandal Resistance (Cat0/1/2) |  |

#### CAR INDICATORS

|                              |  |
|------------------------------|--|
| Manufacturer's name          |  |
| Model                        |  |
| Vandal Resistance (Cat0/1/2) |  |

#### LANDING INDICATORS

|                              |  |
|------------------------------|--|
| Manufacturer's name          |  |
| Model                        |  |
| Vandal Resistance (Cat0/1/2) |  |

#### PROTECTION AGAINST UNINTENDED CAR MOVEMENT

|                     |  |
|---------------------|--|
| Manufacturer's name |  |
| Model               |  |
| Means of detection  |  |
| Means of prevention |  |
| Means of stopping   |  |

#### SAFETY GEAR

|                     |  |
|---------------------|--|
| Manufacturer's name |  |
|---------------------|--|



|       |  |
|-------|--|
| Model |  |
|-------|--|

| COUNTERWEIGHT SAFETY GEAR |  |
|---------------------------|--|
| Manufacturer's name       |  |
| Model                     |  |

| OVERSPEED GOVERNOR  |  |
|---------------------|--|
| Manufacturer's name |  |
| Model               |  |

| GOVERNOR PIT TENSION DEVICE |  |
|-----------------------------|--|
| Manufacturer's name         |  |
| Model                       |  |

| CAR & COUNTERWEIGHT BUFFERS |  |
|-----------------------------|--|
| Manufacturer's name         |  |
| Model                       |  |

| SUSPENSION TYPE                       |  |
|---------------------------------------|--|
| Steel wire ropes, belts, coated ropes |  |

| COMPENSATION                               |  |
|--------------------------------------------|--|
| Is rope weight compensation being provided |  |

| CAR DOOR LOCK       |  |
|---------------------|--|
| Manufacturer's name |  |
| Model               |  |

| LANDING DOOR LOCK   |  |
|---------------------|--|
| Manufacturer's name |  |
| Model               |  |



| CAR DIMENSIONS                |   |   |   |
|-------------------------------|---|---|---|
| Car                           | W | D | H |
| CAR & LANDING DOOR DIMENSIONS |   |   |   |
| Car                           | W | H |   |
| Landing                       | W | H |   |

| FINISHES (LIFT CAR)                   |  |
|---------------------------------------|--|
| Car construction (single/double wall) |  |
| Side walls                            |  |
| Rear wall                             |  |
| Car interior mirror                   |  |
| Car door surround / façade            |  |
| Car ceiling                           |  |
| Car light                             |  |
| Car operating panel                   |  |
| Car position indicator type           |  |
| Handrails                             |  |
| Buffer rails                          |  |
| Tip up seat                           |  |
| Skirting                              |  |
| Car door panels                       |  |
| Car sill                              |  |
| Car flooring                          |  |
| Grade of stainless steel (304/316)    |  |

| FINISHES (LANDING ENTRANCES)                               |  |
|------------------------------------------------------------|--|
| Door entrance surround (box frame / full depth architrave) |  |
| Type 1 Applicable floors                                   |  |
| Type 1 Landing door panels                                 |  |
| Type 1 Landing door sills                                  |  |
| Type 1 Hall push button stations                           |  |
| Type 1 Landing indicator panels                            |  |
| Type 1 Architraves                                         |  |
| Grade of stainless steel (304/316)                         |  |

## 1.4 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 for the whole of the work to be carried out as specified herein and no later requests for deviation will be considered.

| DEVIATIONS FROM SPECIFICATON |  |
|------------------------------|--|
| Description of deviation     |  |
| Description of deviation     |  |
| Description of deviation     |  |
| Description of deviation     |  |
| Description of deviation     |  |
| Description of deviation     |  |
| Description of deviation     |  |
| Description of deviation     |  |
| Description of deviation     |  |
| Description of deviation     |  |

## 1.5 Noise & Vibration

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.

| NOISE & VIBRATION                                      |  |
|--------------------------------------------------------|--|
| Acceleration (m/s <sup>2</sup> )                       |  |
| Jerk (m/s <sup>3</sup> )                               |  |
| Vertical Vibration (Pk-Pk) milli-g<br>(A95 excluded)   |  |
| Horizontal Vibration (Pk-Pk) milli-g<br>(A95 excluded) |  |
| In-Car Noise Level (without doors) Max dB(A)           |  |
| In-Car Noise Level (with doors) Max dB(A)              |  |
| Landing Noise Level (without doors) Max dB(A)          |  |
| In-Car Noise Level (with doors) Max dB(A)              |  |
| Machinery Space / Shaft Noise Level Max dB(A)          |  |
| Noise in Adjacent Rooms (including impulse) Max dB(A)  |  |

## 1.6 Structural Loadings

| STRUCTURAL LOADINGS                                                                                             |  |
|-----------------------------------------------------------------------------------------------------------------|--|
| Horizontal force X (Kilo Newtons) due to thrust of guide shoes on front face of guide rail at any one fixing.   |  |
| Horizontal force Y (Kilo Newtons) due to thrust of guide shoes on side face of guide rail at any one fixing.    |  |
| Downward force Z (Kilo Newtons) due to operation of safety gear imposed on any one fixing.                      |  |
| Reaction (Equivalent Dead Load) on pit floor under any one guide rail due to operations of the car safety gear. |  |
| Reaction (Equivalent Dead Load) on pit floor under any one buffer due to car buffering.                         |  |
| Number of buffers                                                                                               |  |
| Reaction (Equivalent Dead Load) on pit floor due to counterweight buffer.                                       |  |
| Number of buffers                                                                                               |  |

## 1.7 Production & Installation Schedules

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

### PRODCUTION SCHEDULE

|                                                                |       |
|----------------------------------------------------------------|-------|
| Time scale from receipt of order to delivery of lift equipment | weeks |
|----------------------------------------------------------------|-------|

### INSTALLATION SCHEDULE

|                                                                  |              |
|------------------------------------------------------------------|--------------|
| Site setup & erection of hoardings                               | days         |
| Removal existing lift equipment and dispose of water materials   | days         |
| Paint lift shaft                                                 | days         |
| Install shaft lighting and emergency lighting                    | days         |
| Construct shaft scaffold or assemble installation platform equip | days         |
| Material delivery and storage                                    | days         |
| Install car and counterweight brackets and guides & align        | days         |
| Install and position lift machine brackets and machine           | days         |
| Install and position control & drive equipment                   | days         |
| Install car and counterweight structures/assemblies              | days         |
| Install safety gear, overspeed governor equipment                | days         |
| Install suspension ropes                                         | days         |
| Remove shaft scaffold or installation platform equip             | days         |
| Install lift car cabin & car door equipment                      | days         |
| Install landing door entrance equipment                          | days         |
| Install car operating panel and landing operating panels         | days         |
| Measure and install architraves/door surround equipment          | days         |
| Fit all shaft switches and shaft information equipment           | days         |
| Tube, trunk & wire installation                                  | days         |
| Final clean down, adjustments and testing                        | days         |
| Witness tests                                                    | days         |
| Special requirements (if any)                                    | days         |
|                                                                  |              |
| <b>Total working days per lift</b>                               | <b> days</b> |
| <b>Total number of person days per lift (CDM 2015)</b>           | <b> days</b> |

## 1.8 Schedule of Working Hours

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

| INSTALLATION SCHEDULE |                         |                         |
|-----------------------|-------------------------|-------------------------|
| Monday - Friday       | <input type="text"/> am | <input type="text"/> pm |
| Saturday              | <input type="text"/> am | <input type="text"/> pm |
| Sunday                | <input type="text"/> am | <input type="text"/> pm |

## 1.9 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 himself.

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.

| WORKS TO BE SUB-LET                         |                                               |
|---------------------------------------------|-----------------------------------------------|
| Name and address of proposed Sub-Contractor | Work to be sub-let of proposed Sub-Contractor |
| <input type="text"/>                        | <input type="text"/>                          |
| <input type="text"/>                        | <input type="text"/>                          |
| <input type="text"/>                        | <input type="text"/>                          |
| <input type="text"/>                        | <input type="text"/>                          |
| <input type="text"/>                        | <input type="text"/>                          |
| <input type="text"/>                        | <input type="text"/>                          |
| <input type="text"/>                        | <input type="text"/>                          |
| <input type="text"/>                        | <input type="text"/>                          |
| <input type="text"/>                        | <input type="text"/>                          |
| <input type="text"/>                        | <input type="text"/>                          |

## 1.10 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:

| DAY WORK CHARGES                                                                              |      |   |
|-----------------------------------------------------------------------------------------------|------|---|
| 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 or 7 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, storemen 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.

| DAY WORK CHARGES |                      |                   |                             |                         |
|------------------|----------------------|-------------------|-----------------------------|-------------------------|
|                  | 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                   |



**FIXED PRICE FORM OF TENDER  
FOR  
NEW LIFT PROJET AT GALLEON WAY FLATS  
(LOT 2)**



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 and workmanlike manner.

We confirm that we will commence work on site within a period of [REDACTED] weeks following receipt of order.

We confirm that the lift equipment will be fully installed, commissioned, free from defects and put into operational service within a period of [REDACTED] weeks following commencement of work on site.

for the sum of £ [REDACTED]

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.

| SIGNATURE                        |            |
|----------------------------------|------------|
| NAME OR TRADING NAME OF TENDERER | [REDACTED] |
| ADDRESS                          | [REDACTED] |
| NAME OF SIGNATORY                | [REDACTED] |
| SIGNATURE                        | [REDACTED] |
| DATE                             | [REDACTED] |

## 2 TENDER PARTICULARS

### 2.1 Schedule of Prices

| Schedule of Prices                                                                     |                        |
|----------------------------------------------------------------------------------------|------------------------|
| Design, Manufacture, Deliver, Install and Commission Lift                              | £ <input type="text"/> |
| Removal of Existing Equipment                                                          | £ <input type="text"/> |
| Paint Lift Shaft & Pit                                                                 | £ <input type="text"/> |
| Builders Work                                                                          | £ <input type="text"/> |
| Electrical Work                                                                        | £ <input type="text"/> |
| Replacement of Mains Cable if required                                                 |                        |
| Making Good (Infilling, flooring, plastering, decorating etc around entrances).        | £ <input type="text"/> |
| Structural Engineers Survey & Report to verify that existing shaft can withstand loads | £ <input type="text"/> |
| Maintain Lift Equipment During Defects Liability                                       | £ <input type="text"/> |
| Provision of Welfare Facilities for Duration of Project                                | £ <input type="text"/> |
| Provision of Storage and Waste Facilities (Skip/Container) & Obtain Permit             | £ <input type="text"/> |
|                                                                                        |                        |
| <b>Total Price</b>                                                                     | £ <input type="text"/> |

| SIGNATURE                        |                      |
|----------------------------------|----------------------|
| NAME OR TRADING NAME OF TENDERER | <input type="text"/> |
| ADDRESS                          | <input type="text"/> |
| NAME OF SIGNATORY                | <input type="text"/> |
| SIGNATURE                        | <input type="text"/> |
| DATE                             | <input type="text"/> |

## 2.2 Schedule of Acceptance

The Lift Contractor must submit the following information at the time of Tender.

### 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, BS EN81-20 & BS EN81-50 the Lift Contractor shall confirm compliance with the Specification, Technical Summary & Annexes outlined in Section 1.

| ACCEPTANCE OF SPECIFICATION, TECHNICAL SUMMARY & ANNEXES                                                                                                                                                                                                                                                     |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| We confirm that we have read and fully understand the specification and information contained within the Technical Summary and Annexes. The basis of our offer is to comply fully with the specification with the exception of only those items listed under <b><i>“Deviations to the Specification”</i></b> |  |

| SIGNATURE                        |                      |
|----------------------------------|----------------------|
| NAME OR TRADING NAME OF TENDERER | <input type="text"/> |
| ADDRESS                          | <input type="text"/> |
| NAME OF SIGNATORY                | <input type="text"/> |
| SIGNATURE                        | <input type="text"/> |
| DATE                             | <input type="text"/> |

## 2.3 Schedule of Equipment

| LIFT PACKAGE            |  |
|-------------------------|--|
| Manufacturer's name     |  |
| Model                   |  |
| Rate Load Capacity (kg) |  |
| Rated Speed (m/s)       |  |
| BS EN81-21 (Yes / No)   |  |

| LIFT MACHINE (GEARLESS – RATED 125% WITHOUT FORCED FAN VENTILATION) |  |
|---------------------------------------------------------------------|--|
| Manufacturer's name                                                 |  |
| Model                                                               |  |
| Duty Cycle                                                          |  |
| Power rating (KW)                                                   |  |
| Acceleration starting current (A)                                   |  |
| Nominal running current (KW)                                        |  |
| Heat output at full load/duty (KW)                                  |  |
| Method of emergency operation (Manual/Electrical)                   |  |

| DRIVE (ACVF)                                            |  |
|---------------------------------------------------------|--|
| Manufacturer's name                                     |  |
| Model                                                   |  |
| Duty Cycle                                              |  |
| Power rating (KW)                                       |  |
| Acceleration starting current (A)                       |  |
| Nominal running current (KW)                            |  |
| Regeneration to the mains                               |  |
| Maximum regeneration current (A)                        |  |
| Will a diagnostic/programming tool be supplied (Yes/No) |  |

| CONTROLLER                                   |  |
|----------------------------------------------|--|
| Manufacturer's name                          |  |
| Model                                        |  |
| Programmable energy saving features (Yes/No) |  |

|                                                         |                                                                      |
|---------------------------------------------------------|----------------------------------------------------------------------|
| Power rating (KW)                                       |                                                                      |
| Inspection cabinet dimensions                           | W <input type="text"/> D <input type="text"/> H <input type="text"/> |
| Will a diagnostic/programming tool be supplied (Yes/No) | <input type="text"/>                                                 |

#### CAR DOOR OPERATOR (ACVF)

|                                                         |                      |
|---------------------------------------------------------|----------------------|
| Manufacturer's name                                     | <input type="text"/> |
| Model                                                   | <input type="text"/> |
| Rated cycles (open & close) per year                    | <input type="text"/> |
| Achievable opening time                                 | <input type="text"/> |
| Achievable closing time                                 | <input type="text"/> |
| Will a diagnostic/programming tool be supplied (Yes/No) | <input type="text"/> |

#### DOOR PROTECTIVE EQUIPMENT

|                                                                                                                     |                      |
|---------------------------------------------------------------------------------------------------------------------|----------------------|
| Manufacturer's name                                                                                                 | <input type="text"/> |
| Model                                                                                                               | <input type="text"/> |
| Confirm detector covers 25mm to 1600mm above car sill and has no less than 36 diodes and 174 crossed beams (Yes/No) | <input type="text"/> |
| Location of device (door edge/back of sill)                                                                         | <input type="text"/> |

#### LANDING DOOR EQUIPMENT

|                                      |                      |
|--------------------------------------|----------------------|
| Manufacturer's name                  | <input type="text"/> |
| Model                                | <input type="text"/> |
| Rated cycles (open & close) per year | <input type="text"/> |
| Fire Rating (EN 81-58) i.e. E120     | <input type="text"/> |

#### AUTO DIAL EMERGENCY ALARM

|                             |                      |
|-----------------------------|----------------------|
| Manufacturer's name         | <input type="text"/> |
| Model                       | <input type="text"/> |
| GSM Capability (Yes/No)     | <input type="text"/> |
| SIM Card Life (1,2,3 years) | <input type="text"/> |

#### SPEECH SYNTHESISER



|                                                     |  |
|-----------------------------------------------------|--|
| Manufacturer's name                                 |  |
| Model                                               |  |
| Is voice message customisable/programmable (Yes/No) |  |

#### CAR PUSH BUTTONS

|                              |  |
|------------------------------|--|
| Manufacturer's name          |  |
| Model                        |  |
| Vandal Resistance (Cat0/1/2) |  |

#### LANDING PUSH BUTTONS

|                              |  |
|------------------------------|--|
| Manufacturer's name          |  |
| Model                        |  |
| Vandal Resistance (Cat0/1/2) |  |

#### CAR INDICATORS

|                              |  |
|------------------------------|--|
| Manufacturer's name          |  |
| Model                        |  |
| Vandal Resistance (Cat0/1/2) |  |

#### LANDING INDICATORS

|                              |  |
|------------------------------|--|
| Manufacturer's name          |  |
| Model                        |  |
| Vandal Resistance (Cat0/1/2) |  |

#### PROTECTION AGAINST UNINTENDED CAR MOVEMENT

|                     |  |
|---------------------|--|
| Manufacturer's name |  |
| Model               |  |
| Means of detection  |  |
| Means of prevention |  |
| Means of stopping   |  |

#### SAFETY GEAR

|                     |  |
|---------------------|--|
| Manufacturer's name |  |
|---------------------|--|



|       |  |
|-------|--|
| Model |  |
|-------|--|

| COUNTERWEIGHT SAFETY GEAR |  |
|---------------------------|--|
| Manufacturer's name       |  |
| Model                     |  |

| OVERSPEED GOVERNOR  |  |
|---------------------|--|
| Manufacturer's name |  |
| Model               |  |

| GOVERNOR PIT TENSION DEVICE |  |
|-----------------------------|--|
| Manufacturer's name         |  |
| Model                       |  |

| CAR & COUNTERWEIGHT BUFFERS |  |
|-----------------------------|--|
| Manufacturer's name         |  |
| Model                       |  |

| SUSPENSION TYPE                       |  |
|---------------------------------------|--|
| Steel wire ropes, belts, coated ropes |  |

| COMPENSATION                               |  |
|--------------------------------------------|--|
| Is rope weight compensation being provided |  |

| CAR DOOR LOCK       |  |
|---------------------|--|
| Manufacturer's name |  |
| Model               |  |

| LANDING DOOR LOCK   |  |
|---------------------|--|
| Manufacturer's name |  |
| Model               |  |

| CAR DIMENSIONS                |   |   |   |
|-------------------------------|---|---|---|
| Car                           | W | D | H |
| CAR & LANDING DOOR DIMENSIONS |   |   |   |
| Car                           | W | H |   |
| Landing                       | W | H |   |

| FINISHES (LIFT CAR)                   |  |
|---------------------------------------|--|
| Car construction (single/double wall) |  |
| Side walls                            |  |
| Rear wall                             |  |
| Car interior mirror                   |  |
| Car door surround / façade            |  |
| Car ceiling                           |  |
| Car light                             |  |
| Car operating panel                   |  |
| Car position indicator type           |  |
| Handrails                             |  |
| Buffer rails                          |  |
| Tip up seat                           |  |
| Skirting                              |  |
| Car door panels                       |  |
| Car sill                              |  |
| Car flooring                          |  |
| Grade of stainless steel (304/316)    |  |

| FINISHES (LANDING ENTRANCES)                               |  |
|------------------------------------------------------------|--|
| Door entrance surround (box frame / full depth architrave) |  |
| Type 1 Applicable floors                                   |  |
| Type 1 Landing door panels                                 |  |
| Type 1 Landing door sills                                  |  |
| Type 1 Hall push button stations                           |  |
| Type 1 Landing indicator panels                            |  |
| Type 1 Architraves                                         |  |
| Grade of stainless steel (304/316)                         |  |

## 2.4 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 for the whole of the work to be carried out as specified herein and no later requests for deviation will be considered.

| DEVIATIONS FROM SPECIFICATON |  |
|------------------------------|--|
| Description of deviation     |  |
| Description of deviation     |  |
| Description of deviation     |  |
| Description of deviation     |  |
| Description of deviation     |  |
| Description of deviation     |  |
| Description of deviation     |  |
| Description of deviation     |  |
| Description of deviation     |  |
| Description of deviation     |  |

## 2.5 Noise & Vibration

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.

| NOISE & VIBRATION                                      |  |
|--------------------------------------------------------|--|
| Acceleration (m/s <sup>2</sup> )                       |  |
| Jerk (m/s <sup>3</sup> )                               |  |
| Vertical Vibration (Pk-Pk) milli-g<br>(A95 excluded)   |  |
| Horizontal Vibration (Pk-Pk) milli-g<br>(A95 excluded) |  |
| In-Car Noise Level (without doors) Max dB(A)           |  |
| In-Car Noise Level (with doors) Max dB(A)              |  |
| Landing Noise Level (without doors) Max dB(A)          |  |
| In-Car Noise Level (with doors) Max dB(A)              |  |
| Machinery Space / Shaft Noise Level Max dB(A)          |  |
| Noise in Adjacent Rooms (including impulse) Max dB(A)  |  |

## 2.6 Structural Loadings

| STRUCTURAL LOADINGS                                                                                             |  |
|-----------------------------------------------------------------------------------------------------------------|--|
| Horizontal force X (Kilo Newtons) due to thrust of guide shoes on front face of guide rail at any one fixing.   |  |
| Horizontal force Y (Kilo Newtons) due to thrust of guide shoes on side face of guide rail at any one fixing.    |  |
| Downward force Z (Kilo Newtons) due to operation of safety gear imposed on any one fixing.                      |  |
| Reaction (Equivalent Dead Load) on pit floor under any one guide rail due to operations of the car safety gear. |  |
| Reaction (Equivalent Dead Load) on pit floor under any one buffer due to car buffering.                         |  |
| Number of buffers                                                                                               |  |
| Reaction (Equivalent Dead Load) on pit floor due to counterweight buffer.                                       |  |
| Number of buffers                                                                                               |  |

## 2.7 Production & Installation Schedules

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

### PRODCUTION SCHEDULE

|                                                                |       |
|----------------------------------------------------------------|-------|
| Time scale from receipt of order to delivery of lift equipment | weeks |
|----------------------------------------------------------------|-------|

| INSTALLATION SCHEDULE                                            |      |
|------------------------------------------------------------------|------|
| Site setup & erection of hoardings                               | days |
| Removal existing lift equipment and dispose of water materials   | days |
| Paint lift shaft                                                 | days |
| Install shaft lighting and emergency lighting                    | days |
| Construct shaft scaffold or assemble installation platform equip | days |
| Material delivery and storage                                    | days |
| Install car and counterweight brackets and guides & align        | days |
| Install and position lift machine brackets and machine           | days |
| Install and position control & drive equipment                   | days |
| Install car and counterweight structures/assemblies              | days |
| Install safety gear, overspeed governor equipment                | days |
| Install suspension ropes                                         | days |
| Remove shaft scaffold or installation platform equip             | days |
| Install lift car cabin & car door equipment                      | days |
| Install landing door entrance equipment                          | days |
| Install car operating panel and landing operating panels         | days |
| Measure and install architraves/door surround equipment          | days |
| Fit all shaft switches and shaft information equipment           | days |
| Tube, trunk & wire installation                                  | days |
| Final clean down, adjustments and testing                        | days |
| Witness tests                                                    | days |
| Special requirements (if any)                                    | days |
|                                                                  |      |

|                                                 |      |
|-------------------------------------------------|------|
| Total working days per lift                     | days |
| Total number of person days per lift (CDM 2015) | days |

## 2.8 Schedule of Working Hours

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

| INSTALLATION SCHEDULE |    |    |
|-----------------------|----|----|
| Monday - Friday       | am | pm |
| Saturday              | am | pm |
| Sunday                | am | pm |

## 2.9 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 himself.

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.

| WORKS TO BE SUB-LET                         |                                               |
|---------------------------------------------|-----------------------------------------------|
| Name and address of proposed Sub-Contractor | Work to be sub-let of proposed Sub-Contractor |
|                                             |                                               |
|                                             |                                               |
|                                             |                                               |
|                                             |                                               |
|                                             |                                               |
|                                             |                                               |
|                                             |                                               |
|                                             |                                               |
|                                             |                                               |
|                                             |                                               |
|                                             |                                               |

## 2.10 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:

| DAY WORK CHARGES                                                                         |      |   |
|------------------------------------------------------------------------------------------|------|---|
| 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, storemen 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.

| DAY WORK CHARGES |                      |                   |                             |                         |
|------------------|----------------------|-------------------|-----------------------------|-------------------------|
|                  | 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                   |



**FIXED PRICE FORM OF TENDER  
FOR  
NEW LIFT PROJET AT SELWYN MORRIS COURT  
(LOT 3)**



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 and workmanlike manner.

We confirm that we will commence work on site within a period of [redacted] weeks following receipt of order.

We confirm that the lift equipment will be fully installed, commissioned, free from defects and put into operational service within a period of [redacted] weeks following commencement of work on site.

for the sum of £ [redacted]

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.

| SIGNATURE                        |            |
|----------------------------------|------------|
| NAME OR TRADING NAME OF TENDERER | [redacted] |
| ADDRESS                          | [redacted] |
| NAME OF SIGNATORY                | [redacted] |
| SIGNATURE                        | [redacted] |
| DATE                             | [redacted] |

### 3 TENDER PARTICULARS

#### 3.1 Schedule of Prices

| Schedule of Prices                                                                     |                        |
|----------------------------------------------------------------------------------------|------------------------|
| Design, Manufacture, Deliver, Install and Commission Lift                              | £ <input type="text"/> |
| Removal of Existing Equipment                                                          | £ <input type="text"/> |
| Paint Lift Shaft & Pit                                                                 | £ <input type="text"/> |
| Builders Work                                                                          | £ <input type="text"/> |
| Electrical Work                                                                        | £ <input type="text"/> |
| Replacement of Mains Cable if required                                                 | £ <input type="text"/> |
| Making Good (Infilling, flooring, plastering, decorating etc around entrances).        | £ <input type="text"/> |
| Structural Engineers Survey & Report to verify that existing shaft can withstand loads | £ <input type="text"/> |
| Maintain Lift Equipment During Defects Liability                                       | £ <input type="text"/> |
| Provision of Welfare Facilities for Duration of Project                                | £ <input type="text"/> |
| Provision of Storage and Waste Facilities (Skip/Container) & Obtain Permit             | £ <input type="text"/> |
|                                                                                        |                        |
| <b>Total Price</b>                                                                     | £ <input type="text"/> |

| SIGNATURE                        |                      |
|----------------------------------|----------------------|
| NAME OR TRADING NAME OF TENDERER | <input type="text"/> |
| ADDRESS                          | <input type="text"/> |
| NAME OF SIGNATORY                | <input type="text"/> |
| SIGNATURE                        | <input type="text"/> |
| DATE                             | <input type="text"/> |

## 3.2 Schedule of Acceptance

The Lift Contractor must submit the following information at the time of Tender.

### 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, BS EN81-20 & BS EN81-50 the Lift Contractor shall confirm compliance with the Specification, Technical Summary & Annexes outlined in Section 1.

| ACCEPTANCE OF SPECIFICATION, TECHNICAL SUMMARY & ANNEXES                                                                                                                                                                                                                                                     |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| We confirm that we have read and fully understand the specification and information contained within the Technical Summary and Annexes. The basis of our offer is to comply fully with the specification with the exception of only those items listed under <b><i>“Deviations to the Specification”</i></b> |  |

| SIGNATURE                        |  |
|----------------------------------|--|
| NAME OR TRADING NAME OF TENDERER |  |
| ADDRESS                          |  |
| NAME OF SIGNATORY                |  |
| SIGNATURE                        |  |
| DATE                             |  |

### 3.3 Schedule of Equipment

| LIFT PACKAGE            |  |
|-------------------------|--|
| Manufacturer's name     |  |
| Model                   |  |
| Rate Load Capacity (kg) |  |
| Rated Speed (m/s)       |  |
| BS EN81-21 (Yes / No)   |  |

| LIFT MACHINE (GEARLESS – RATED 125% WITHOUT FORCED FAN VENTILATION) |  |
|---------------------------------------------------------------------|--|
| Manufacturer's name                                                 |  |
| Model                                                               |  |
| Duty Cycle                                                          |  |
| Power rating (KW)                                                   |  |
| Acceleration starting current (A)                                   |  |
| Nominal running current (KW)                                        |  |
| Heat output at full load/duty (KW)                                  |  |
| Method of emergency operation (Manual/Electrical)                   |  |

| DRIVE (ACVF)                                            |  |
|---------------------------------------------------------|--|
| Manufacturer's name                                     |  |
| Model                                                   |  |
| Duty Cycle                                              |  |
| Power rating (KW)                                       |  |
| Acceleration starting current (A)                       |  |
| Nominal running current (KW)                            |  |
| Regeneration to the mains                               |  |
| Maximum regeneration current (A)                        |  |
| Will a diagnostic/programming tool be supplied (Yes/No) |  |

| CONTROLLER                                   |  |
|----------------------------------------------|--|
| Manufacturer's name                          |  |
| Model                                        |  |
| Programmable energy saving features (Yes/No) |  |



|                                                         |       |
|---------------------------------------------------------|-------|
| Power rating (KW)                                       |       |
| Inspection cabinet dimensions                           | W D H |
| Will a diagnostic/programming tool be supplied (Yes/No) |       |

#### CAR DOOR OPERATOR (ACVF)

|                                                         |  |
|---------------------------------------------------------|--|
| Manufacturer's name                                     |  |
| Model                                                   |  |
| Rated cycles (open & close) per year                    |  |
| Achievable opening time                                 |  |
| Achievable closing time                                 |  |
| Will a diagnostic/programming tool be supplied (Yes/No) |  |

#### DOOR PROTECTIVE EQUIPMENT

|                                                                                                                     |  |
|---------------------------------------------------------------------------------------------------------------------|--|
| Manufacturer's name                                                                                                 |  |
| Model                                                                                                               |  |
| Confirm detector covers 25mm to 1600mm above car sill and has no less than 36 diodes and 174 crossed beams (Yes/No) |  |
| Location of device (door edge/back of sill)                                                                         |  |

#### LANDING DOOR EQUIPMENT

|                                      |  |
|--------------------------------------|--|
| Manufacturer's name                  |  |
| Model                                |  |
| Rated cycles (open & close) per year |  |
| Fire Rating (EN 81-58) i.e. E120     |  |

#### AUTO DIAL EMERGENCY ALARM

|                             |  |
|-----------------------------|--|
| Manufacturer's name         |  |
| Model                       |  |
| GSM Capability (Yes/No)     |  |
| SIM Card Life (1,2,3 years) |  |

#### SPEECH SYNTHESISER



|                                                     |  |
|-----------------------------------------------------|--|
| Manufacturer's name                                 |  |
| Model                                               |  |
| Is voice message customisable/programmable (Yes/No) |  |

#### CAR PUSH BUTTONS

|                              |  |
|------------------------------|--|
| Manufacturer's name          |  |
| Model                        |  |
| Vandal Resistance (Cat0/1/2) |  |

#### LANDING PUSH BUTTONS

|                              |  |
|------------------------------|--|
| Manufacturer's name          |  |
| Model                        |  |
| Vandal Resistance (Cat0/1/2) |  |

#### CAR INDICATORS

|                              |  |
|------------------------------|--|
| Manufacturer's name          |  |
| Model                        |  |
| Vandal Resistance (Cat0/1/2) |  |

#### LANDING INDICATORS

|                              |  |
|------------------------------|--|
| Manufacturer's name          |  |
| Model                        |  |
| Vandal Resistance (Cat0/1/2) |  |

#### PROTECTION AGAINST UNINTENDED CAR MOVEMENT

|                     |  |
|---------------------|--|
| Manufacturer's name |  |
| Model               |  |
| Means of detection  |  |
| Means of prevention |  |
| Means of stopping   |  |

#### SAFETY GEAR

|                     |  |
|---------------------|--|
| Manufacturer's name |  |
|---------------------|--|



|       |  |
|-------|--|
| Model |  |
|-------|--|

| COUNTERWEIGHT SAFETY GEAR |  |
|---------------------------|--|
| Manufacturer's name       |  |
| Model                     |  |

| OVERSPEED GOVERNOR  |  |
|---------------------|--|
| Manufacturer's name |  |
| Model               |  |

| GOVERNOR PIT TENSION DEVICE |  |
|-----------------------------|--|
| Manufacturer's name         |  |
| Model                       |  |

| CAR & COUNTERWEIGHT BUFFERS |  |
|-----------------------------|--|
| Manufacturer's name         |  |
| Model                       |  |

| SUSPENSION TYPE                       |  |
|---------------------------------------|--|
| Steel wire ropes, belts, coated ropes |  |

| COMPENSATION                               |  |
|--------------------------------------------|--|
| Is rope weight compensation being provided |  |

| CAR DOOR LOCK       |  |
|---------------------|--|
| Manufacturer's name |  |
| Model               |  |

| LANDING DOOR LOCK   |  |
|---------------------|--|
| Manufacturer's name |  |
| Model               |  |



| CAR DIMENSIONS                |   |   |   |
|-------------------------------|---|---|---|
| Car                           | W | D | H |
| CAR & LANDING DOOR DIMENSIONS |   |   |   |
| Car                           | W | H |   |
| Landing                       | W | H |   |

| FINISHES (LIFT CAR)                   |  |
|---------------------------------------|--|
| Car construction (single/double wall) |  |
| Side walls                            |  |
| Rear wall                             |  |
| Car interior mirror                   |  |
| Car door surround / façade            |  |
| Car ceiling                           |  |
| Car light                             |  |
| Car operating panel                   |  |
| Car position indicator type           |  |
| Handrails                             |  |
| Buffer rails                          |  |
| Tip up seat                           |  |
| Skirting                              |  |
| Car door panels                       |  |
| Car sill                              |  |
| Car flooring                          |  |
| Grade of stainless steel (304/316)    |  |

| FINISHES (LANDING ENTRANCES)                               |  |
|------------------------------------------------------------|--|
| Door entrance surround (box frame / full depth architrave) |  |
| Type 1 Applicable floors                                   |  |
| Type 1 Landing door panels                                 |  |
| Type 1 Landing door sills                                  |  |
| Type 1 Hall push button stations                           |  |
| Type 1 Landing indicator panels                            |  |
| Type 1 Architraves                                         |  |
| Grade of stainless steel (304/316)                         |  |

### 3.4 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 for the whole of the work to be carried out as specified herein and no later requests for deviation will be considered.

| DEVIATIONS FROM SPECIFICATON |  |
|------------------------------|--|
| Description of deviation     |  |
| Description of deviation     |  |
| Description of deviation     |  |
| Description of deviation     |  |
| Description of deviation     |  |
| Description of deviation     |  |
| Description of deviation     |  |
| Description of deviation     |  |
| Description of deviation     |  |
| Description of deviation     |  |

### 3.5 Noise & Vibration

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.

| NOISE & VIBRATION                                      |  |
|--------------------------------------------------------|--|
| Acceleration (m/s <sup>2</sup> )                       |  |
| Jerk (m/s <sup>3</sup> )                               |  |
| Vertical Vibration (Pk-Pk) milli-g<br>(A95 excluded)   |  |
| Horizontal Vibration (Pk-Pk) milli-g<br>(A95 excluded) |  |
| In-Car Noise Level (without doors) Max dB(A)           |  |
| In-Car Noise Level (with doors) Max dB(A)              |  |
| Landing Noise Level (without doors) Max dB(A)          |  |
| In-Car Noise Level (with doors) Max dB(A)              |  |
| Machinery Space / Shaft Noise Level Max dB(A)          |  |
| Noise in Adjacent Rooms (including impulse) Max dB(A)  |  |

### 3.6 Structural Loadings

| STRUCTURAL LOADINGS                                                                                             |  |
|-----------------------------------------------------------------------------------------------------------------|--|
| Horizontal force X (Kilo Newtons) due to thrust of guide shoes on front face of guide rail at any one fixing.   |  |
| Horizontal force Y (Kilo Newtons) due to thrust of guide shoes on side face of guide rail at any one fixing.    |  |
| Downward force Z (Kilo Newtons) due to operation of safety gear imposed on any one fixing.                      |  |
| Reaction (Equivalent Dead Load) on pit floor under any one guide rail due to operations of the car safety gear. |  |
| Reaction (Equivalent Dead Load) on pit floor under any one buffer due to car buffering.                         |  |
| Number of buffers                                                                                               |  |
| Reaction (Equivalent Dead Load) on pit floor due to counterweight buffer.                                       |  |
| Number of buffers                                                                                               |  |

### 3.7 Production & Installation Schedules

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

#### PRODCUTION SCHEDULE

|                                                                |       |
|----------------------------------------------------------------|-------|
| Time scale from receipt of order to delivery of lift equipment | weeks |
|----------------------------------------------------------------|-------|

#### INSTALLATION SCHEDULE

|                                                                  |              |
|------------------------------------------------------------------|--------------|
| Site setup & erection of hoardings                               | days         |
| Removal existing lift equipment and dispose of water materials   | days         |
| Paint lift shaft                                                 | days         |
| Install shaft lighting and emergency lighting                    | days         |
| Construct shaft scaffold or assemble installation platform equip | days         |
| Material delivery and storage                                    | days         |
| Install car and counterweight brackets and guides & align        | days         |
| Install and position lift machine brackets and machine           | days         |
| Install and position control & drive equipment                   | days         |
| Install car and counterweight structures/assemblies              | days         |
| Install safety gear, overspeed governor equipment                | days         |
| Install suspension ropes                                         | days         |
| Remove shaft scaffold or installation platform equip             | days         |
| Install lift car cabin & car door equipment                      | days         |
| Install landing door entrance equipment                          | days         |
| Install car operating panel and landing operating panels         | days         |
| Measure and install architraves/door surround equipment          | days         |
| Fit all shaft switches and shaft information equipment           | days         |
| Tube, trunk & wire installation                                  | days         |
| Final clean down, adjustments and testing                        | days         |
| Witness tests                                                    | days         |
| Special requirements (if any)                                    | days         |
|                                                                  |              |
| <b>Total working days per lift</b>                               | <b> days</b> |
| <b>Total number of person days per lift (CDM 2015)</b>           | <b> days</b> |

### 3.8 Schedule of Working Hours

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

| INSTALLATION SCHEDULE |                         |                         |
|-----------------------|-------------------------|-------------------------|
| Monday - Friday       | <input type="text"/> am | <input type="text"/> pm |
| Saturday              | <input type="text"/> am | <input type="text"/> pm |
| Sunday                | <input type="text"/> am | <input type="text"/> pm |

### 3.9 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 himself.

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.

| WORKS TO BE SUB-LET                         |                                               |
|---------------------------------------------|-----------------------------------------------|
| Name and address of proposed Sub-Contractor | Work to be sub-let of proposed Sub-Contractor |
| <input type="text"/>                        | <input type="text"/>                          |
| <input type="text"/>                        | <input type="text"/>                          |
| <input type="text"/>                        | <input type="text"/>                          |
| <input type="text"/>                        | <input type="text"/>                          |
| <input type="text"/>                        | <input type="text"/>                          |
| <input type="text"/>                        | <input type="text"/>                          |
| <input type="text"/>                        | <input type="text"/>                          |
| <input type="text"/>                        | <input type="text"/>                          |
| <input type="text"/>                        | <input type="text"/>                          |
| <input type="text"/>                        | <input type="text"/>                          |
| <input type="text"/>                        | <input type="text"/>                          |

### 3.10 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:

| DAY WORK CHARGES                                                                         |      |   |
|------------------------------------------------------------------------------------------|------|---|
| 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, storemen 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.

| DAY WORK CHARGES |                      |                   |                             |                         |
|------------------|----------------------|-------------------|-----------------------------|-------------------------|
|                  | 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                   |

