Óglaigh na hÉireann
DEFENCE FORCES IRELAND

VOLUME C

PRICING DOCUMENT

Fire Safety Works

At

Pearse Officers Mess, Pearse Barracks, Defence Forces Training Centre, The Curragh, Co. Kildare

For

THE MINISTER FOR DEFENCE

TENDER SUMMARY

Item	Description	Euro	Cent
A	Amount for carrying out the Works – brought forward from tenderer's Detailed Summary (From Page 8)		
	SAFETY HEALTH AND WELFARE AT WORK (CONSTRUCTION) REGULATIONS (SHW REGS)		
B	Amount for work beyond that already drawn or specified which is required to allow the Contactor complete the works in compliance with the Regulations		
C	Amount required to carry out duties of Project Supervisor for the Construction Stage as required by the Safety Health and Welfare at Work (Construction) Regulations and to enter into Collateral Agreement with the Employer.		
D	Amount for preparation and submission of Safety and Health information and certificates for the Safety File to the PSDP - 3 No. Copies.		
	Tender Price excluding VAT - 'X'		
E	**VALUE ADDED TAX** VAT at 23% on € _____ (if applicable, *SEE ANALYSIS, next page)*		
	VAT at 0% / exempt on bond amount (if applicable) € _____	NIL	
	Total Tender Amount to Form of Tender (*VAT at 13.5% not to be included in Total Tender Amount*)		

NOTE: Reduced rate VAT of 13.5% is paid directly by the Employer to revenue as Principal Contractor. The tender should only include VAT at 23%, if any is applicable.

SCHEDULE OF TENDER ITEMS CARRYING 23% VAT LIABILITY

Note: in the event of the 23% VAT liability being in excess of the amounts listed below, payment of the excess amount shall be the responsibility of the Contractor. There will be no adjustment of the Contract Sum in respect of any shortfall, except to the extent that such a shortfall arises as a result of the issue of an instruction issued by the Employer's Representative that increases the amount of work liable for VAT at 23% that is to be carried out.

Description of Work	Quantity	Tender amount liable to 23% VAT
TOTAL AMOUNT LIABLE TO 23% VAT - TO SUMMARY PAGE		

DETAILED SUMMARY

Note: the responsibity for ensuring that all of the work called for by the works requirements (or which might reasonably be implied as being necessary) is included for in the tender total lies with the contractor. The contractor will be deemed to have checked the scope and quantities of work needed to complete the project and to have priced the work accordingly.

NO.	ITEM	DESCRIPTION	COST
SECTION 1 – PRELIMINARIES AND INSURANCES			
1.1	Item	Site Management and Supervision	
1.2	Item	Plant, Tools and Vehicles	
1.3	Item	Access, Scaffolding	
1.4	Item	Waste Disposal	
1.5	Item	Trace and identify all existing cabling	
1.6	Item	Security	
1.7	Item	Insurances	
1.8	Item	To complete commissioning of all installed Electrical Systems	
1.9	Item	Liaison with Defence Forces and management personnel	
1.10	Item	To complete provision of all samples for design team approval	
1.11	Item	Production of Builder's Work drawings including plinth layouts, setting out of Opes etc. to include liaison with any other works contractors	
1.12	Item	Production of co-ordinated drawings including room sections and plans, technical schematics etc.	
1.13	Item	Complete provision of "As-installed" documentation including Operation and Maintenance Manuals, Installation Drawings etc.	
1.14	Item	Complete handover and/or commissioning seminar and system training	
1.15	Item	compliance certification to the ER: I.S. 3218 and I.S. 3217 certificates, doorset and fire-stopping installer certificates with a penetration register, as-built drawings, and Part B12 handover information.	
1.16	Item	To complete maintenance and support during the defects period	
		Total Section 1 - €	

NO.	ITEM	DESCRIPTION	COST
SECTION 2 – Demolitions			
2.1	Item	Removal and disposal of all existing Fire Detection and Alarm System only components and making good any damage	
2.2	Item	Removal and disposal of all existing Emergency Lighting only components and making good any damage	
2.3	Item	Removal of existing doors complete as per drawings	
2.4	Item	Removal of existing plastered ceilings at ground floor and first floor level at all stairs and at raised first floor corridor	
2.5	Item	Removal of any existing insulation and any other material above removed ceilings	
2.6	Item	Removal of existing suspended ceilings in S5 stairs	
2.7	Item	Removal of all light fittings, switches and wiring for existing lighting at attic level	
		Total Section 2 - €	
SECTION 3 – Builders and Civil Works			
3.1	Item	Builders Works in Connection with Electrical Installations (Attendances, Equipment Handling, Forming Opes, Protections & Cleaning, Grounds, Install Lintels as needed, Fire Proofing, Making Good Surrounding Area, Decoration etc.) as per supplied Drawings	
3.2	Item	Provide fire batt at ground floor ceiling level up to the underside of the first floor at all stairs as part of protected shaft	
3.3	Item	Provide new 30min fire resisting enclosure to all stairs protected shafts from ground floor up to the underside of the roof	
3.4	Item	Provide E30Sa fire doors to stair protected shafts and other areas as indicated on the drawings	
3.5	Item	Provide 30min fire resisting attic access hatch over all stairs in protected shafts and above raised first floor corridor	
3.6	Item	Provide E60Sa fire doors as per drawings	
3.7	Item	Provide new 30min fire resisting ceiling to replace those removed	
3.8	Item	Provide new suspended ceiling to replace existing at S5	
3.9	Item	Install 300mm insulation above new ceilings at attic level to S1-S6 stairs and above raised first floor corridor	

NO.	ITEM	DESCRIPTION	COST
3.10	Item	Paint finish to new walls	
3.11	Item	Painting of walls, architrave door frames and doors below new ceilings - Painting of heating pipes, steel handrails and balustrades to S1–S6, and existing varnished timber.	
3.12	Item	External Door Painting 24no. ED1-ED24	
3.13	Item	Any and all modifications to existing timber joists to allow for new 30min fire resisting ceilings	
3.14	Item	Provide for repairs to existing wall and floor where existing doors are replaced.	
3.15	Item	Repairs to surrounding walls at new protected shafts and corridor partition	
3.16	Item	Relocation of any existing switches/services	
3.17	Item	Removal of existing Vinyl flooring S1-S6 and first floor raised corridor F09A	
3.18	Item	New Vinyl Sheet flooring at S1-S6 and first floor raised corridor F09A	
3.19	Item	Removal of existing Carpet flooring S1-S6 and first floor raised corridor F09A	
3.20	Item	New Carpet flooring at S1-S6 and first floor raised corridor F09A. (Tretford Interlife, colour 517) with underlay, saddles and trims.	
3.21	Item	Protection, cleaning and repair of existing terrazzo	
3.22	Item	Intumescent paint to roof trusses, 600 mm either side of shaft walls	
		Total Section 3 - €	
SECTION 4 – Electrical Services – Existing Services Installation			
4.1	Item	To complete survey, identification and strip-out of redundant existing electrical services (FDAS and any emergency lighting)	
4.2	Item	Dispose of all redundant materials	
		Total Section 4 - €	

NO.	ITEM	DESCRIPTION	COST
SECTION 5 – Electrical Services – Lighting			
5.1	Item	Complete provision of dedicated standalone Emergency Lighting luminaires system (ATS PERC type) to Ground, First and Attic Floor's rooms including exit signage	
5.2	Item	Attic Emergency Maintained lighting controls/switches	
5.3	Item	Complete provision of addressable emergency lighting ATS PERC type control panel(s)	
5.4	Item	Complete wiring of emergency lighting installation and Eaton CGLine+ system	
5.5	Item	Complete 3rd party commissioning of emergency lighting Eaton CGLine+ system	
5.6	Item	Complete provision of external standalone emergency lighting at building exits	
5.7	Item	Provision of new non-emergency lighting on stairs S1-S6 and first floor hallway F09A where new ceilings are installed to match existing	
		Total Section 5 - €	
SECTION 6 – Electrical Services – Fire Detection and Alarm System Installation			
6.1	Item	Design verification and technical submittal: device layouts, loop and network schematics, battery and volt-drop calculations, sound-level design, Declarations of Performance and Notified Body certification, and samples of all devices and finishes	
6.2	Item	Main analogue addressable control and indicating equipment to I.S. EN 54-2 and I.S. EN 54-4 (Advanced Electronics or equal and approved), network-capable, with integral printer, event log, DIN-rail field terminals, recessing bezel and standby batteries for 72 hours plus 30 minutes alarm, at the location agreed with the Employer's Representative	
6.3	Item	Full-function repeater panel(s) as Section C, at locations agreed with the Employer's Representative	
6.4	Item	Addressable optical smoke detectors with bases and integral isolators (Apollo Discovery or equal and approved) to ground floor, first floor and attic as drawings 6001, 6005 and 6008	
6.5	Item	Addressable heat detectors with bases and integral isolators, including ensuite and shower room locations, as drawings 6001 and 6005	
6.6	Item	Addressable multisensor detectors, programmable, with bases and integral isolators, as drawings 6001 and 6005	

NO.	ITEM	DESCRIPTION	COST
6.7	Item	Carbon monoxide detector to boiler room G46 as drawing 6001	
6.8	Item	Aspirating smoke detection system (Xtralis VESDA-E VEU or equal and approved) as drawing 6005, complete with sampling pipework, sampling points, interface to the addressable system and commissioning	
6.9	Item	Remote LED indicators to all concealed detectors in ceiling, roof and service voids, mounted flush at approximately 2,200 mm AFFL	
6.10	Item	Addressable resettable manual call points with dual line isolators, mounted at 1,100 mm AFFL, as drawings 6001 and 6005	
6.11	Item	Addressable sounders and integral sounder bases to achieve not less than 65 dB(A) generally and 75 dB(A) at the bedhead in every bedroom, including field trials and sound-level design	
6.12	Item	Visual alarm devices to I.S. EN 54-23 in public areas and areas of high background noise, and external strobe/sounders at exits as drawings 6001 and 6005	
6.13	Item	Addressable input/output interface units and fire-resisting connections to third-party equipment, as required by the cause-and-effect matrix	
6.14	Item	Remote signalling: hard-wired interface to Curragh Camp and digital dialler to a third-party monitoring station, including co-ordination with telecoms and service providers	
6.15	Item	Cause and effect: development of the matrix, programming and configuration of panel software, device and zone text, simulator validation and C&E workshop	
6.16	Item	Labelling of all devices, principal components, power supplies and cableways (“Life Safety Systems”) as Section C	
6.17	Item	Testing and commissioning to I.S. 3218:2024, including 100% device testing, insulation resistance testing, measured sound levels recorded on record drawings, witness testing and 100% cause-and-effect demonstration	
6.18	Item	I.S. 3218:2024 certificates of design, installation, commissioning and acceptance, submitted to the Employer’s Representative	
6.19	Item	As-installed drawings, laminated zone and device drawings displayed at the control panel, operation and maintenance manuals and system logbook	
6.20	Item	Handover demonstration and client training: three sessions of two hours each, including use of the logbook	
6.21	Item	Spares: 12 No. detectors, 4 No. sounders, and manual call points of each type used	

NO.	ITEM	DESCRIPTION	COST
6.22	Item	Provisional: 4 No. additional smoke detectors complete with remote indicators, installed at locations directed by the Employer's Representative	
6.23	Item	Servicing of the fire detection and alarm system to I.S. 3218:2024 during the 12-month maintenance period	
		Total Section 6 - €	
SECTION 7 – OTHER WORKS			
7.1	Item	Other works required to complete the works and not listed above. **No additional costs will be accepted for items included in the works requirements.** Please itemise on separate sheet.	
		Total Section 7 - €	

Tenderer's Detailed Summary

SECTION	Totals
1 – PRELIMINARIES AND INSURANCES	
2 – DEMOLITIONS	
3 – BUILDERS AND CIVIL WORKS	
4 – ELECTRICAL SERVICES – EXISTING SERVICES INSTALLATION	
5 – ELECTRICAL SERVICES – LIGHTING	
6 - ELECTRICAL SERVICES – FIRE DETECTION AND ALARM SYSTEM INSTALLATION	
7 – OTHER WORKS	
ITEM A - AMOUNT FOR CARRYING OUT THE WORKS (To Page 2)	

WORKS PROPOSAL – PRODUCT LISTING

PROPOSED CONSTRUCTION PRODUCTS

- The Tenderer is required to provide details below of proposed alternative products to be used in the Works if they are different to what is requested in the Works Requirements.
- The Tender Sum shall be deemed to include for the use of either the product specified or an approved alternative. Where a product is assessed by the Employer's Representative and is deemed not to be an acceptable alternative, the product proposed shall be substituted with an alternative that matches, or exceeds, the characteristics of the product listed in the Works Requirements.
- No adjustment to the Tender Sum shall be permitted where a product listed in the tenderer's Works Proposals is deemed unacceptable and an approved substitute is suggested and approved.
- If a product proposed by the Tenderer is rejected and the tenderer declines to commit to the provision of an alternative that is deemed acceptable, the Tender shall be deemed to be qualified and shall not be considered for the award of the Contract.

Ref	Items called up in Works Requirements	Tenderer proposed product included for in the Tender Sum
Fire Safety Works – Pearse Officers Mess		
1	Ref E1 - Eaton Guide LED SL (CGLine+)	
2	Ref E2 – Eaton FlexiTech SE 2W LED 200lm (Asymmetric) (CGLine+)	
3	Ref E3 – Eaton FlexiTech SE 2W LED 200lm (Symmetric) (CGLine+)	
4	Ref EXIT – Eaton FlexiTech Exit Sign (CGLine+)	

Continued overleaf

Fire Safety Works – Pearse Officers Mess		
7	Ref ATS - Eaton CGL+ CGVision Touchscreen G/Controller: Group visualisation with full configuration and monitoring of up to 9 external CGL+ Controllers	
8	Ref External – Eaton NON_MAINTAINED DURABLE CAST ALUMINUM ALONG WITH THE HIGH DEGREE OF PROTECTION (IP65) (CGLine+)	
9	REF Cable Tray – Unitrunk CP-100T Medium Duty Powder Coated RAL 9010 Cable Tray	
10	Ceiling Hatch – Manthorpe GL280F	
11	Rockwool FirePro CB50 Fire Batt	
Fire Detection and Alarm System – Volume A Section C (all FDAS components from the manufacturer's range compatible with the specified control panel and protocol)		
12	Ref FAP – Analogue addressable fire alarm control and indicating equipment to I.S. EN 54-2 and I.S. EN 54-4, networkable, with integral printer (Advanced Electronics or equal and approved)	
13	Ref S – Addressable optical smoke detector with base and integral isolator (Apollo Discovery range or equal and approved)	
14	Ref H – Addressable heat detector with base and integral isolator (Apollo Discovery range or equal and approved)	
15	Ref DH – Addressable multisensor detector, switchable smoke/heat, with base and integral isolator (Apollo Discovery range or equal and approved)	
16	Ref C – Addressable carbon monoxide detector, compatible with Ref FAP	
17	Ref AS – Aspirating smoke detector (Xtralis VESDA-E VEU or equal and approved)	
18	Ref MCP – Addressable resettable manual call point with dual line isolator to I.S. EN 54-11	
19	Ref Sounder – Addressable sounder and integral sounder base to I.S. EN 54-3	
20	Ref VAD – Addressable visual alarm device to I.S. EN 54-23	

21	Ref External – External strobe/sounder for building exits	
22	Ref RI – Remote LED indicator for concealed detectors	
23	Ref I/O – Addressable input/output interface unit	
24	Ref Cable – PH120 enhanced fire-resistant LSZH cable to I.S. EN 50200 (1.5 mm² detection loops; 2.5 mm² network and power)	

Submitted on behalf of: _____

Signed: _____

Notes (to include on the schedule):

1. No alternatives permitted without written pre-approval by the Employer's Representative (ER).