	Description	Qty	Unit	Rate	Amount
	Blockwork				
	100mm solid blockwork to be IS 20 & IS 325; Blockwork to be laid in grade (111) mortar (1:1:6) above ground and grade (IV) mortar (1:4) where buried; Contractor shall provide CE Certificates for blockwork confirming the strength as shown on the drawings; block strength to be N to IS 325 or Eurocode equivalent; blockwork to be laid in M4 mortar; mortar cubes to be tested in accordance with IS EN 1015-11 and in accordance with the specifications; all as per Engineers and Architects instructions and specifications				
	Walls				
A	100mm thick; 24N (outer leaf)	33	m2		
B	215mm thick; 7.5N (to rear yard void, refer to detail G42, drawing no. 034, contractor to take note that a certain area is curved)	14	m2		
C	215mm thick; 24N (external walls)	49	m2		
D	215mm thick; 24N (internal walls)	45	m2		
	Labours				
E	on blockwork	1	item		
	Extra over for special bricks/blocks				
F	allow for the formation of services voids thought both the 440mm and 215mm thick blockwork walls, include for concrete spanlite reinforced heads and the like to complete the task (Provisional)	10	nr		
G	215mm thick; quinn lite b3 or similar approved; minimum conductivity of 0.12 W/m.K (provisional)	33	m2		
	Bonding to other work				
H	wall starters and connectors to basement; used by: Wall Construction; Manufacturer: Ancon Building Products; Product reference: Staifix Cavity Starter Tie;(OEAA) or as recommended by specialists to suit application; Length: Contractor's choice, to suit application; Material: Stainless steel grade 1.4301 (304); Fixing wall starters and connectors; contractor to allow for all necessary fixings and the like to complete the task; all in accordance with the Engineers and Architects instructions, guidance, drawings and specifications (Provisional)	10	m		
				To Collection €	**NIL**

	Description	Qty	Unit	Rate	Amount
	Ancillaries to Brickwork				
	(SPEC 45-45-65/430); 150mm cavity with 70 mm thick Xtratherm thin-R XT/CW T&G (OEAA) insulation: comprising of polyiscocyanurate foam board; to achieve u-value of 0.022 w/ mk overall as part of the wall construction according to TGD part L; the product shall be manufactured under a management system certified to BS 13165 and BS EN 13501-1, class F; by Xtratherm UK Limited; Forming cavities between new walls; approved stainless steel vertical wall ties; a) Wall ties shall be in accordance with EN 845-1 b) Wall ties shall be Agrement certified; c) Wall ties shall meet the performance requirements of TGD E for use in external masonry walls; d) Where required, ties shall include stainless steel insulation fixing roses/ retention clips; minimum 250mm long; built into 215mm wide blockwork inner leaf and 102.5mm wide brickwork outer leaf; allow for additional ties at openings at 225mm vertical centres; all in strict accordance with the Architect and Engineers instructions and specifications				
	Forming cavities (Type 01-A)				
A	between new wall; 150mm wide cavity	1033	m2		
	Sundries				
B	brick vents, pipe sleeve and internal vent, acoustic (uPVC colour to match brickwork)	45	nr		
	Control joint; on external walls at required locations; include for 12mm compressible filler board in full depth of 100mm wide external brickwork and blockwork; finished with 12mm wide x 110mm depth mastic sealant; including flat wall ties at 225mm c/c vertically 125mm				
	Designed joints				
C	contraction joint; all as per Engineers & Architects instructions (Provisional)	340	m		
	Blockwork				
	Concrete blocks; 440mm x 215mm x 100mm dense concrete solid blockwork to IS EN 771; laid on flat to be laid in standard mortar by Kilsaran or similar approved; the Contractor shall provide CE Certificates for blockwork confirming the strength as shown on the drawings; block strength to be 7.5N; all as per Engineers drawings & specifications				
	Walls				
D	100mm thick; outer leaf (Type 02A)	611	m2		
				To Collection €	**NIL**

	Description	Qty	Unit	Rate	Amount
	STRUCTURAL				
	Steelwork				
	All steelwork is to be designed and fabricated in accordance with specification G10 and the relevant engineers drawings; refer to drawings 002 - 006; The steelwork contractor is to design and detail all steelwork connections to meet the requirements of IS EN 1993-1-8 and specification G10, copies of the fabrication drawings and the calculations are to be submitted to the engineers for approval; All steelwork to be fabricated from steel grade S355JR, plates and windposts to be grade S275JOH; all bolts to be grade 8.8 to BS 3692 and minimum bolt size to be M16, all connections to use 4 no. M16 bolts; all steel plates used in connections are to be a minimum 10mm thick and welds are to be a minimum 6mm FW; all grouting to stanchions bases in accordance with specification G10 and to use Weber=SBD five star non-shrink cementitious grout; electrodes for all fillets welds to be type E51 to IS ISO 2560; all steels to have a 1 hour fire rating; all in strict accordance with the Structural Engineers Specification				
	Fabricated members				
	Beams				
A	beams; member profile exceeding 25kg/m not exceeding 50kg/m (Stainless Steel 150 x 90 x 10 RSEA)	0.07	tonne		
B	beams; member profile exceeding 25kg/m not exceeding 50kg/m (UB 203 x 133 x 30, SB1)	0.66	tonne		
C	beams; member profile exceeding 25kg/m not exceeding 50kg/m (UC 152 x 152 x 30, SB2)	0.74	tonne		
D	beams; member profile exceeding 25kg/m not exceeding 50kg/m (UC 203 x 203 x 46, SB3)	1.67	tonne		
E	beams; member profile exceeding 25kg/m not exceeding 50kg/m (SHS 150 x 150 x 10, SB9)	0.56	tonne		
F	beams; member profile exceeding 25kg/m not exceeding 50kg/m (RSA 150 x 150 x 15, SB11)	11.87	tonne		
G	beams; member profile exceeding 25kg/m not exceeding 50kg/m (RSA 200 x 200 x 16, SB12)	2.31	tonne		
H	beams; member profile exceeding 25kg/m not exceeding 50kg/m (SHS 100 x 100 x 5, with 300 x 10mm welded plate, SB16**)	0.14	tonne		
J	beams; member profile exceeding 50kg/m not exceeding 100kg/m (UC 203 x 203 x 52, SB4)	16.21	tonne		
				To Collection €	**NIL**

	Description	Qty	Unit	Rate	Amount
	WOODWORK				
	Composite Items; Doors with associated frame set				
	(HARDWOOD TIMBER DOORSETS) Basement doors; Hardwood material with a Formica finish; Contractor MUST refer to general layout drawings and drawing no's 7000 - 8006, door schedule and specification 25-50-20/120; contractor to take notice of the note section under the door schedule noting the minimum door clearance and the various types of architraves / frames / linings as per sections; included for all architraves, frames, linings, seals, trims, in-fills, smoke/fire seals, bolts, fittings, fixture, finishes (i.e. painting or shop finish) and the like to complete the task; complete; all in strict accordance with the architects drawings, specifications and instructions				
	Non-fire rated doorsets				
A	1060 x 2150mm (DT 03)	1	nr		
B	1050 x 2150mm (DT 07)	5	nr		
C	1050 x 2150mm (DT 08)	7	nr		
D	1800 x 2150mm (DT 18)	1	nr		
	Extra over for vision panels				
E	1 no; 200 x 1250mm (DT 07)	5	nr		
	30 minute fire rated doorsets				
F	1320 x 2150mm (DT 01)	5	nr		
G	1050 x 2150mm (DT 07)	2	nr		
H	1050 x 2150mm (DT 08)	3	nr		
J	1800 x 2150mm (DT 15)	3	nr		
K	1250 x 2115mm (DT 16)	1	nr		
L	1200 x 2150mm (DT 19)	1	nr		
	Extra over for vision panels				
M	1 no; 200 x 1250mm (DT 01)	5	nr		
N	1 no; 200 x 1250mm (DT 07)	2	nr		
				To Collection €	**NIL**

	Description	Qty	Unit	Rate	Amount
	Below ground (Foul & Surface)				
	Excavating trenches to receive pipes; not exceeding 250mm nominal diameter; grading bottoms; earthwork support; disposing of surplus excavated material off site; including warning tape; refer to drawing no. C001 & C002; to all architects and engineers specification				
	Granular backfill material shall be in compliance with clause 808 (granular material type B) of the NRA specification for road works; granular backfill should be placed uniformly on either side of the pipe in layers not exceeding 100mm, each layer being compacted by hand tamping until the pipe has minimum of 300mm compacted cover; care should be taken that the process of compaction does not displace the pipe from its correct line and level; subsequent layers of granular fill to be well compacted in 150mm thick layers to the local authority road division specification; mechanical compaction equipment to authority road division specification, mechanical compaction equipment should not be used until there is minimum of 450mm compacted cover over the crown of the pipe				
	Excavating trenches				
	Inside Site Boundary				
	Under basement slab; refer to drawing no. C001				
A	pipes not greater than 250mm nominal diameter; average depth of trench 1000-1500mm (foul)	372	m		
B	pipes not greater than 250mm nominal diameter; average depth of trench 1000-1500mm (surface water)	15	m		
	Ground floor level; refer to drawing no. C002				
C	pipes not greater than 250mm nominal diameter; average depth of trench 500-1000mm (foul)	39	m		
D	pipes not greater than 250mm nominal diameter; average depth of trench 500-1000mm (surface water)	13	m		
E	pipes not greater than 250mm nominal diameter; average depth of trench 1000-1500mm (foul)	152	m		
F	pipes not greater than 250mm nominal diameter; average depth of trench 1000-1500mm (surface water)	208	m		
G	pipes not greater than 250mm nominal diameter; average depth of trench 1500-2000mm (surface water)	160	m		
H	pipes not greater than 250mm nominal diameter; average depth of trench 1500-2500mm (foul)	38	m		
				To Collection €	**NIL**

	Description	Qty	Unit	Rate	Amount
	Below ground (Fibre Services Pipework)				
	Green UPC twin walled corrugated ducting; socketed joints; include for all junctions, fittings, bends, tees, stop ends; reducers; tags; etc as required in the running length complete; including pipeducts entering the manholes to be tagged and provided with draw wires, fully roped and sealed against vermin and water ingress with a recognised propriety waving capping for all ducts; ducts to be rodded, tested with brush/mandrill and roped, 2 No knot-free continuous polypropylene draw-ropes securely anchored at both ends shall be provided; free of water and ground water and debris at all times; ducting to be inspected and passed prior to backfilling; warning tapes as required; all in accordance with Engineers Specification				
	Inside boundary				
A	110mm diameter pipework; complete	88	m		
	Outside boundary				
B	110mm diameter pipework; complete	22	m		
	Service access chamber; reinforced concrete Grade 35N in 150mm thick bed 900mm x 600mm x 150mm deep; Joint boxes shall be constructed in accordance with UPC standard construction design detail; footway chamber frame and lid (FW3) (Opening 700mm x 430mm) chamber boxes to be nominally sized at 791mm width by 521mm length by 900mm deep blockwork construction with UPC telecom lids similar to JB4 build specification; cover shall consist of eircom frame lid to EN124 with recess option to accommodate a stone finish or landscape similar to match local ground finish for loading class B125; Surface made good to architects and civil engineers details; necessary; cover frame shall be sealed to the chamber box blockwork in an orderly manner. Anchor Irons and Sump Grates shall be provided as per specifications; badges etc; prefabricated Joint boxes may be used and should be installed as per manufacturers installation guidelines; include for all excavation and earthwork support, formwork, working space, disposal of excavated material off site, etc; all in accordance wth Engineer's Drawings and specification				
	Inside boundary				
C	services chambers; 900 x 600 x 150mm deep	5	nr		
	Outside boundary				
D	services chambers; 900 x 600 x 150mm deep	2	nr		
				To Collection €	**NIL**

Description	Qty	Unit	Rate	Amount
SUMMARY	**Page No.**			
(10) SITE PREPARATION	BQ/32			
(19) SUBSTRUCTURE (BASEMENT)	BQ/60			
(19) SUBSTRUCTURE (GROUND LEVEL)	BQ/72			
(21) EXTERNAL WALLS	BQ/87			
(23) FLOORS, GALLERIES	BQ/101			
(27) ROOFS	BQ/111			
(28) FRAME	BQ/122			
(32) INTERNAL WALL COMPLETIONS	BQ/133			
(37) ROOF COMPLETIONS	BQ/139			
(47) ROOF FINISHES	BQ/148			
(20) SITE STRUCTURES (ESB SUB-STATION)	BQ/167			
(30) SITE ENCLOSURES	BQ/174			
(40) ROADS, PATHS, PAVINGS (PROVISIONAL)	BQ/186			
(50) SITE SERVICES (MAINLY PIPED AND DUCTED)	BQ/222			
(60) SITE SERVICES (MAINLY ELECTRICAL) (PROVISIONAL)	BQ/236			
TOTAL AMOUNT TO FORM OF TENDER				
Note: This Bill of Quantities contains pages numbered BQ/1 - BQ/236. The Sub-Contractor should ensure that...				