

	NATIONAL DISGNOSTIC FACILITY PRELIMINARIES / GENERAL CONDITIONS  PROJECT PARTICULARS	Initial Amount	
		Preliminaries / General Conditions	
		Fixed	Time Related
		Euro	Euro
	<b>NAMES OF PARTIES</b> <u>The titles and terms used in connection with this project shall have the following meaning.</u> <b>The Project:</b> A. <b>Name:</b> NATIONAL DIAGNOSTIC FACILITY  B. <b>Nature:</b> CONSTRUCTION a National Diagnostic Facility comprising a main building with Ancillary Facilities and External Works  C. <b>Location:</b> UNION, Castries, St. Lucia  D. <b>Employer:</b> National Authorizing Officer Ministry of Finance, Economic affairs, Planning and Social Security Department of Planning and National Development 5th Floor, Conway Business Center Jn. Baptiste Street,Castries <b>St. Lucia, West Indies</b>  E. <b>Contractor:</b> <b>To be determined</b>  <b>Design Consultants</b> F. <b>Architect:</b> FDL Consult Inc. Goodlands, G.P.O. Box 1803 <b>Castries, St. Lucia</b>  G. <b>Quantity Surveyor:</b> FDL Consult Inc. Goodlands, G.P.O. Box 1803 <b>Castries, St. Lucia</b>  H. <b>Structural Engineer:</b> FDL Consult Inc. Goodlands, G.P.O. Box 1803 <b>Castries, St. Lucia</b>  H. <b>M &amp; E Consultants:</b> FDL Consult Inc. Goodlands, G.P.O. Box 1803 <b>Castries, St. Lucia</b>		
	Carried to Collection	Euro	€ -

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A.	<b>GENERAL</b>  CLAUSE 1    DEFINITIONS CLAUSE 2    INTERPRETATION CLAUSE 3    LANGUAGE AND LAW CLAUSE 4    PROJECT MANAGER'S DECISIONS CLAUSE 5    DELEGATION CLAUSE 6    COMMUNICATIONS CLAUSE 7    SUBCONTRACTING CLAUSE 8    OTHER CONTRACTORS CLAUSE 9    PERSONNEL AND EQUIPMENT CLAUSE 10    EMPLOYER'S AND CONTRACTORS RISK CLAUSE 11    EMPLOYER'S RISK CLAUSE 12    CONTRACTOR'S RISK CLAUSE 13    INSURANCE CLAUSE 14    SITE DATA CLAUSE 15    CONTRACTOR TO CONSTRUCTION THE WHOLE OF THE WORKS CLAUSE 16    THE WORKS TO BE COMPLETED BY THE INTENDED COMPLETION DATE CLAUSE 17    APPROVAL BY THE PROJECT MANAGER CLAUSE 18    SAFETY CLAUSE 19    DISCOVERIES CLAUSE 20    POSSESSION OF THE SITE CLAUSE 21    ACCESS TO THE SITE CLAUSE 22    INSTRUCTIONS, INSPECTIONS AND AUDITS CLAUSE 23    APPOINTMENT OF THE ADJUDICATOR CLAUSE 24    PROCEDURE FOR DISPUTES CLAUSE 25    CORRUPT AND FRAUDULENT PRACTICES		
	Carried to Collection	Euro	€ -

	NATIONAL DISGNOSTIC FACILITY  PRELIMINARIES / GENERAL CONDITIONS  PROJECT PARTICUIILARS	Initial Amount	
		Preliminaries / General Conditions	
		Fixed	Time Related
		Euro	Euro
B.	TIME CONTROL  CLAUSE 26    PROGRAM CLAUSE 27    EXTENSION OF THE INTENDED COMPLETION DATE CLAUSE 28    ACCELERATION CLAUSE 29    DELAYS ORDERED BY THE PROJECT MANAGER CLAUSE 30    MANAGEMENT MEETINGS CLAUSE 31    EARLY WARNING		
C.	QUALITY CONTROL  CLAUSE 32    IDENTIFYING DEFECTS CLAUSE 33    TESTS CLAUSE 34    CORRECTION OD DEFECTS CLAUSE 35    UNCORRECTED DEFECTS		
D.	COST CONTROL  CLAUSE 36    CONTRACT PRICE CLAUSE 37    CHANGES IN THE CONTRACT PRICE CLAUSE 38    VARIATIONS CLAUSE 39    CASH FLOW FORECAST CLAUSE 40    PAYMENT CERTIFICATES CLAUSE 41    PAYMENTS CLAUSE 42    COMPENSATION EVENTS CLAUSE 43    TAX CLAUSE 44    CURRENCIES CLAUSE 45    PRICE ADJUSTMENT CLAUSE 46    RETENTION CLAUSE 47    LIQUIDATED DAMAGES CLAUSE 48    BONUS CLAUSE 49    ADVANCE PAYMENT CLAUSE 50    SECURITIES CLAUSE 51    DAYWORKS CLAUSE 52    COST OF REPAIRS		
	Carried to Collection	Euro	€ -

<b>NATIONAL DISGNOSTIC FACILITY</b> <b>PRELIMINARIES / GENERAL CONDITIONS</b>  <b>PROJECT PARTICULARS</b>		Initial Amount	
		Preliminaries / General Conditions	
		Fixed	Time Related
		Euro	Euro
<b>E.</b>	<b>FINISHING THE CONTRACT</b>		
53	COMPLETION		
54	TAKING OVER		
55	FINAL ACCOUNT		
56	OPERATING AND MAINTENANCE MANUALS		
57	TERMINATION		
58	PAYMENT UPON COMPLETION		
59	PROPERTY		
60	RELEASE FROM PERFORMANCE		
61	SUSPENSION OF BANK LOAN OR CREDIT		
Carried to Collection		Euro	€ -

	NATIONAL DISGNOSTIC FACILITY  PRELIMINARIES / GENERAL CONDITIONS  PROJECT PARTICUIARLS	Initial Amount	
		Preliminaries / General Conditions	
		Fixed	Time Related
		Euro	Euro
E.	PROGRESS CHART AND REPORTS The Contractor shall prepare and submit with his tender a draft programme and progress chart of the entire Works. If the Contractor is awarded the Contract, he shall agree the details of his programme with the Contract Administrator and shall produce four (4) copies of the agreed chart for the Contract Administrator and shall display the chart on the site and record progress thereon during the execution of the works.	Item	
A.	PROGRESS CHART AND REPORTS (Cont'd) The Contractor shall keep a permanent written record on the site of the progress of the Works. This record shall be open to the inspection of the Architect at all reasonable times. A copy shall be furnished to the Contract Administrator on request. This report will contain at least the following:	Item	
B.	PROGRESS CHART AND REPORTS 1. Weather Conditions 2. Manpower on the job in each trade 3. Major items of equipment on the job. 4. A brief summary of the work accomplished that day 5. Material Equipment, or Employer furnished items arriving or leaving site. 6. Significant events, including accidents. 7. Any testing made and their results, if known. 8. Any oral instructions received. 9. Visitors on the job. 10. Possible causes of delay.		
C.	ADVERTISING All advertising rights on the site are reserved to the Employer.		
F.	SITE SIGNBOARD  Provision of a site signboard to be used as designed by the Architect and approved by the Employer will be carried out by the Contractor. Allow a Provisional Sum of €1,830.00	Item	€ 1,830.00
G.	TEMPORARY FENCE(S) AND HOARDING(S)  Provide temporary fence and hoarding as may be necessary for the security of the site and work thereon.	Item	
	Carried to Collection	Euro	€ 1,830.00

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		Preliminaries / General Conditions	
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		Euro	Euro
A.	SITE ACCOMMODATION <u>The Contract Administrator in conjunction with the Contractor shall select all temporary buildings including areas for use by nominated sub-contractors as may be necessary. The Ground on which temporary buildings are sited, shall be made good after removal of these buildings.</u>		
B.	Provide, erect and maintain suitable office accommodation and Mess-rooms for staff and workmen and remove on completion.	Item	
C.	Provide, erect and maintain suitable sheds for storage of materials and remove on completion.	Item	
D.	Provide temporary latrines for the use of workmen, to the satisfaction of the Architect and the Sanitary Authorities and empty and cleanse same as and when required and clear away on completion.	Item	
E.	ROOM FOR MEETING:  For the purposes of this Contract the Contractor shall provide suitable space within the general site office provided for the Contractor's supervisor, for a large desk with four chairs for use by the Employers consultants or representatives. The accommodation must include an adequate number of appliances, wash hand basin(s) with adequate lighting and ventillation.This work will be carried out by the Contractor.	Item	
F.	WATER  Provide water for the works including that for sub-contractors and specialists, at the various levels and positions where required including all necessary sumps temporary plumbing and storage and pay all charges for drawing water of main supply. This work would be carreid out by the Plumbing Contractor.	Item	
G.	LIGHTING AND POWER  Provide all necessary artificial lighting and power, including that for sub-contractors and specialists, and pay all charges for drawing off main supply. This work will be carried by the Electrical Contractor.	Item	
H.	SITE TELEPHONE  Provide a site telephone for the duration of the Works with branch lines to the Foreman's offices and pay all charges in connection therewith. This €915.00 provision will be made available by the Architect.	Item	€ 915.00
	Carried to Collection	Euro	€ 915.00

	<b>NATIONAL DISGNOSTIC FACILITY</b>  <b>PRELIMINARIES / GENERAL CONDITIONS</b>  <b>PROJECT PARTICUIARLS</b>	Initial Amount	
		Preliminaries / General Conditions	
		Fixed	Time Related
		Euro	Euro
A.	<b>CORDINATION OF SERVICES</b> The site organisation staff must include one or more persons with appropriate knowledge and experience of mechanical and electrical engineering services to ensure compatibility between engineering services, one with another and each in relation to the Works generally. Submit to the Contract Administrator, when requested, CVs or to other documetary evidence relating to the staff concerned.		
B.	<b>SITE INSTRUCTION BOOK</b> Provide and keep on the site of the Works a suitable triplicate log book in which the Architect may enter and confirm and verbal instructions given.	Item	
C.	<b>SETTING OUT AND TOLERANCES</b> Check the levels and dimensions of the site against those shown on the drawigns, and record the results on a copy of the drawigns. Notify the Contract Administrator in writing of any discrepancies and obtain instructions defore proceeding.  Inform the Contract Adminstrator when overall setting out is completed and before commencing construction.	Item	
D.	<b>PLANT, TOOLS AND VEHICLES</b>	Item	
E.	<b>SCAFFOLDING</b>	Item	
F.	<b>SUPERVISION</b> In addition to the constant management and supervision of the Works provided by the Contractor's person in charge, all significant types of works must be under the close control of competent trade supervisors to ensure maintenance of satisfactory quality and progress.	Item	
G.	<b>TRANSPORT FOR WORK PEOPLE</b>	Item	
H.	<b>PROTECTION OF THE WORKS FROM ADVERSE WEATHER</b>	Item	
I.	<b>SAFETY, HEALTH AND WELFARE</b>	Item	
J.	<b>INSURANCE OF THE WORKS</b> The Contractor shall provid in the joint names of the Employer and the Contractor insurance cover from the Start Date to the end of the Defects Liability Period, in the amounts and deductibles stated in the PCC for the following evensts which are due to the Contractor's risks;		
	Loss of or damage to the Works, Plant and Materials	Item	
	Loss of or damage of Equipment	Item	
	Loss of or damage to property (except the Works, Plant, Materials and Equipment) in connection with the Contract and	Item	
	Personal injury or death	Item	
	Carried to Collection	Euro	€ -

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		Preliminaries / General Conditions	
		Fixed	Time Related
		Euro	Euro
A.	WORKMEN'S COMPESATION	Item	
B.	REMOVAL OF RUBBISH		
C.	PEST CONTROL		
D.	TESTING OF MATERIALS		
E.	TEMPORARY WORKS		
F.	TEMPORARY ROADS AND TEMPORARY WALKWAYS		
G.	ACCESS SCAFFOLDING		
	GENERAL ATTENDANCE ON NOMINATED SUBCONTRACTOR	Item	
H.	Provide attendance upon, cut away for and make good after trades performed by own workmen and own sub-contractors and leave perfect on completion.		
J.	Provide general attendance on nominated sub-contractors which shall be deemed to include		
K.	SPECIAL ATTENDANCE ON NOMINATED SUBCONTRACTOR Provide special attendance on nominated sub-contractors eg. Cutting chses and the like, only when spcifically instructed so to do following the times in the Bills of Quantities which describe the particular nominated sub-contract work. When a lump sum price is inserted against this item it shall be adjusted in direct proportion to the amount of the nominated sub-contracto P.C. Sum actually expended.		
L.	WORK BY STATUTORY AUTHORITIES		
	WATER		
	ELECTRICITY		
	SEWERAGE MAIN CONNECTIONS		
	TELEPHONE MAIN SERVICES		
	CLEANING WORKS ON COMPLETION		
	Carried to Collection	Euro	€ -



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		Preliminaries / General Conditions	
		Fixed	Time Related
		Euro	Euro
	<b>COLLECTION</b>		
	From Page 1		€ -
	From Page 2		€ -
	From Page 3		€ -
	From Page 4		€ -
	From Page 5		€ 1,830.00
	From Page 6		€ 915.00
	From Page 7		€ -
	From Page 8		€ -
	<b>PRELIMINARIES / GENERAL CONDITIONS</b>		
	Carried to General Summary	Euro	€ 2,745.00

BILL NO.	2	NATIONAL DIAGNOSTIC FACILITY MEASURED WORKS	QTY	UNIT	Rate Euro	AMOUNT Euro
Ref.		DIAGNOSTIC BUILDING				
1.	Pg. 1	<b>SITE PREPARATION WORKS</b>				
		<b><u>Demolition Works</u></b>				
A.		Demolition and removal of existing structures to accommodate new construction as directed by the Engineer.		L.S.		€ 18,288.00
		<b><u>Site Preparation</u></b>				
B.		Removal of trees; girth 600mm - 1.50m and dispose; distance not exceed 10 Km.	6.00	No.		€ -
C.		Removal of trees; girth 1.50m - 3.00m and dispose; distance not exceed 10 Km.	2.00	No.		€ -
		<b><u>Excavation and Earthworks</u></b>				
		<b><u>Excavation</u></b>				
D.		Excavation to remove topsoil, depth not exceeding 150mm	675.00	m <sup>3</sup>		€ -
E.		Excavation to reduce levels along site depth not exceeding 3.50 m.	2,913.00	m <sup>3</sup>		€ -
		<b><u>Stockpiling</u></b>				
E.		Stockpiling of excavated material on site for reuse; to suitable location approved by Engineer.	2,873.00	m <sup>3</sup>		€ -
		<b><u>Disposal</u></b>				
F.		Disposal of excavated material off site to suitable dump site approved by Engineer not exceeding 10 kilometers away.	715.00	m <sup>3</sup>		€ -
		<b><u>Filling</u></b>				
G.		Filling to site to make up levels using selected excavated material compacted in layers not exceeding 200mm at at least 95% of the modified Proctor maximum.	2873.00	m <sup>3</sup>		€ -
		<b>SITE PREPARATION WORKS</b>				
		Carried to Bill Summary			Euro	€ 18,288.00

BILL NO.	2	NATIONAL DIAGNOSTIC FACILITY MEASURED WORKS	QTY	UNIT	Rate Euro	AMOUNT Euro
Ref.		DIAGNOSTIC BUILDING				
2.	Pg. 1	<b>SUBSTRUCTURE</b>				
		<b><u>D20. Excavation and Filling</u></b>				
		<b><u>Excavation</u></b>				
A.		Excavating trenches, width > 300mm; maximum depth ≤ 1.80 m to strip foundation footings and get out.	183.00	m <sup>3</sup>	€	-
B.		Excavating pits; maximum depth > 1.80m to mat foundation footing and get out.	1,105.00	m <sup>3</sup>	€	-
C.		Excavating pits (30Nr.); maximum depth ≤ 1.80m to isolated pad foundation footing and get out.	183.00	m <sup>3</sup>	€	-
D.		Excavating pits (4Nr.); maximum depth ≤ 1.80m to isolated pad foundation footing and get out.	15.00	m <sup>3</sup>	€	-
		<b><u>Working Space Allowance to Excavations</u></b>				
E.		To trench excavations.	145.00	m <sup>2</sup>	€	-
F.		To pit excavations.	85.00	m <sup>2</sup>	€	-
		<b><u>Earthwork Support</u></b>				
G.		Maximum depth ≤ 2.00 m; distance between opposing faces > 2.00m below ground level to excavated trenches.	362.00	m <sup>2</sup>	€	-
H.		Maximum depth ≤ 2.00 m; distance between opposing faces > 2.00m below ground level to excavated pits.	345.00	m <sup>2</sup>	€	-
		<b><u>Stockpiling</u></b>				
I.		Stockpiling of excavated material on site for reuse; to suitable location approved by Engineer.	358.00	m <sup>3</sup>	€	-
		<b><u>Disposal</u></b>				
J.		Disposal of excavated material off site to suitable dump site approved by Engineer not exceeding 10 kilometers away.	1,128.00	m <sup>3</sup>	€	-
		<b><u>Site Dewatering</u></b>				
K.		Allow Provisional Sum for dewatering of ground water in excavations as required		L.S	€	915.00
		<b><u>Protection</u></b>				
L.		Protection of the works in this section.		L.S	€	366.00
					Euro	€ 1,281.00

BILL NO.	2	NATIONAL DIAGNOSTIC FACILITY MEASURED WORKS	QTY	UNIT	Rate Euro	AMOUNT Euro
Ref.		DIAGNOSTIC BUILDING				
	Pg. 2	<b>SUBSTRUCTURE (Contd.)</b>				
		<b><u>Filling</u></b>				
A.		Filling to excavations; average thickness > 250mm with material arising from the excavations; around foundation.	217.00	m <sup>3</sup>		€ -
B.		Filling to make up levels; average thickness > 250mm with selected rubble hardcore; obtained off site; properly graded	245.00	m <sup>3</sup>		€ -
C.		Filling to make up levels; average thickness > 250mm sand blinding; obtained off site; properly graded	1,227.00	m <sup>2</sup>		€ -
		<b><u>Surface Treatment</u></b>				
D.		Level and compact bottom of excavations to receive blinding	290.00	m <sup>2</sup>		€ -
E.		Compacting hardcore in specified layers to receive concrete	1,227.00	m <sup>2</sup>		€ -
F.		Subterranean termite treatment to surface of compacted hardcore	1,227.00	m <sup>2</sup>		€ -
G.		Subterranean termite treatment to surface of compacted hardcore	235.00	m		€ -
H.		Trimming; sides of cuttings; vertical to trenches	482.00	m <sup>2</sup>		€ -
I.		Trimming; sides of cuttings; vertical to pits	505.00	m <sup>2</sup>		€ -
					Euro	€ -

BILL NO.	2	NATIONAL DIAGNOSTIC FACILITY MEASURED WORKS	QTY	UNIT	Rate Euro	AMOUNT Euro
Ref.		DIAGNOSTIC BUILDING				
	Pg. 3	<b>SUBSTRUCTURE (Contd.)</b>				
		<b><u>E10 In Situ Concrete in Substructure</u></b>				
A.		In situ concrete; blinding; 20 Mpa; 50mm thick to bottom of excavation.	15.0	m <sup>3</sup>		€ -
		<b><u>In situ concrete; 35 Mpa 28 day strength; reinforced; filled into form work and well vibrated around reinforcement</u></b>				
B.		In situ concrete; foundations; reinforced; in foundation strip footings 300mm thick.	40.00	m <sup>3</sup>		€ -
C.		In situ concrete; foundations; reinforced; in foundation walls 200mm thick.	67.00	m <sup>3</sup>		€ -
D.		In situ concrete; foundations; reinforced; in mat foundation 400mm thick.	176.80	m <sup>3</sup>		€ -
E.		In site concrete; isolated foundations; reinforced; in isolated pad footings 400mm thick.	70.00	m <sup>3</sup>		€ -
F.		In site concrete; foundation; reinforced; in columns 400mm square.	4.00	m <sup>3</sup>		€ -
G.		In situ concrete; slabs; thickness ≤ 150mm; ground floor slab; 125mm thick	160.00	m <sup>3</sup>		€ -
		<b><u>E20 Formwork in Substructure</u></b>				
H.		To sides of foundations; plain vertical; height 250 - 500mm; plywood formwork to strip footings; 300mm high.	130.00	m <sup>2</sup>		€ -
I.		To sides of upstands; plain vertical; height 500mm - 1.00mm; plywood formwork to foundation walls; 700mm high.	358.00	m <sup>2</sup>		€ -
J.		To sides of foundations; plain vertical; height 250 - 500mm; plywood formwork to pad footings; 400mm high.	114.00	m <sup>2</sup>		€ -
K.		To columns; isolated (40 Nr.); square shaped; height ≤1.50m; plywood formwork to sides of foundation columns.	64.00	m <sup>2</sup>		€ -
L.		To edges of beds; plain vertical; height ≤ 250mm; plywood formwork to edge of ground floor slab.	235.00	m		€ -
					Euro	€ -

BILL NO.	2	NATIONAL DIAGNOSTIC FACILITY MEASURED WORKS	QTY	UNIT	Rate Euro	AMOUNT Euro
Ref.		DIAGNOSTIC BUILDING				
1.	Pg. 4	<b>SUBSTRUCTURE (Contd.)</b>				
		<b><u>E30 High tensile bar reinforcement for In Situ Concrete</u></b>				
A.		32mm diameter in RC columns.	2.90	Tonnes	€	-
B.		25mm diameter in RC columns.	0.60	Tonnes	€	-
C.		20mm diameter in RC mat foundation.	14.85	Tonnes	€	-
D.		16mm diameter in RC mat foundation.	9.50	Tonnes	€	-
E.		16mm diameter in RC pad footings.	2.75	Tonnes	€	-
F.		12mm diameter in RC strip footings.	1.90	Tonnes	€	-
G.		12mm diameter in RC foundation walls.	2.15	Tonnes	€	-
H.		10mm diameter; in RC concrete floor slab.	6.35	Tonnes	€	-
I.		10mm diameter; bent; as stirrups to columns in foundation.	0.85	Tonnes	€	-
		<b><u>E41 Worked Finishes</u></b>				
J.		Hacking surface of sides of ground floor slab to form key for rendering.	235.00	m	€	-
		<b><u>E42 Accessories Cast into In Situ Concrete</u></b>				
K.		500G plastic (polythene) damp proof membrane; to top of sand blinding (M/S); minimum 300mm end and side laps.	1,281.00	m <sup>2</sup>	€	-
					Euro	€ -

BILL NO.	2	NATIONAL DIAGNOSTIC FACILITY MEASURED WORKS	QTY	UNIT	Rate Euro	AMOUNT Euro
Ref.		DIAGNOSTIC BUILDING				
	Pg. 5	<b>SUBSTRUCTURE (Contd.)</b>				
		<b><u>K31 Linings</u></b>				
A.		Interlocking 75mm x 37.5mm <b>floor to floor</b> expansion joint cover with continuous extruded aluminum frame, flexible gasket and cover plate insert; fixed with 10mm x 32mm stainless steel double wedge bolts placed at 450mm c/c; finished with non-shink grout	25.00	m		€ -
B.		Interlocking 75mm x 37.5mm <b>floor to wall</b> expansion joint cover with continuous extruded aluminum frame, flexible gasket and cover plate insert; fixed with 10mm x 32mm stainless steel double wedge bolts placed at 450mm c/c; finished with non-shink grout	14.00	m		€ -
C.		Flush <b>wall to wall</b> 75mm expansion joint cover with continuous flexible gasket and extruded aluminum frame concealed with feathered joint; fixed using 6mm x 32mm stainless steel masonry anchor screws.	11.00	m		€ -
		<b><u>M60 Painting/Clear finishings</u></b>				
D.		General surfaces of walls; 3 coats emulsion paint; prepared and applied to plastered surfaces of foundation ditto.	135.00	m <sup>2</sup>		€ -
					Euro	€ -
		<b>COLLECTION</b>				
		From: Page 2				€ 1,281.00
		From: Page 3				€ -
		From: Page 4				€ -
		From: Page 5				€ -
		From: Page 6				€ -
		<b>SUBSTRUCTURE</b>				
		Carried to Bill Summary			Euro	€ 1,281.00

BILL NO.	2	NATIONAL DIAGNOSTIC FACILITY MEASURED WORKS	QTY	UNIT	Rate Euro	AMOUNT Euro
Ref.		DIAGNOSTIC BUILDING				
3.	Pg. 1	<b>SUPERSTRUCTURE</b>  <b>REINFORCED CONCRETE FRAME</b> <b><u>Ground Floor Level</u></b>  <b><u>E10 In Situ Concrete</u></b> <b><u>In situ concrete; 35 Mpa 28 day strength; reinforced; filled into form work and well vibrated around reinforcement</u></b>				
A.		In columns; reinforced	22.00	m <sup>3</sup>	€	-
B.		In shear walls; reinforced	48.50	m <sup>3</sup>	€	-
C.		In lintels; reinforced	4.20	m <sup>3</sup>	€	-
D.		In window sills; reinforced	10.00	m <sup>3</sup>	€	-
		<b><u>E20 Formwork for In Situ Concrete; dressed to give a smooth finish</u></b>				
E.		To columns; isolated; square shaped; plywood formwork	224.00	m <sup>2</sup>	€	-
F.		To shear walls; reinforced; plywood formwork	485.00	m <sup>2</sup>	€	-
G.		To lintels; rectangular shaped; plywood formwork	41.00	m <sup>2</sup>	€	-
H.		To window sills; rectangular shaped; plywood formwork	70.00	m <sup>2</sup>	€	-
		<b><u>E30 Hight tensile reinforcement for In Situ Concrete</u></b>				
I.		32mm diameter; straight; in RC columns.	5,266.00	Kgs	€	-
J.		25mm diameter; straight; in RC columns .	1,128.00	Kgs	€	-
K.		25mm diameter; in RC shear walls .	2,771.00	Kgs	€	-
L.		12mm diameter; bent; as stirrups in RC columns.	1,353.00	Kgs	€	-
M.		12mm diameter; straight; in RC lintels.	676.28	Kgs	€	-
N.		12mm diameter; straight; in RC window sills.	415.67	Kgs	€	-
O.		10mm diameter; seismic hoop; in RC columns.	575.50	Kgs	€	-
P.		10 diameter; bent; as stirrups in RC window sills.	288.60	Kgs	€	-
Q.		8mm diameter; bent; as stirrups in RC lintels.	462.00	Kgs	€	-
					Euro	-



BILL NO.	2	NATIONAL DIAGNOSTIC FACILITY MEASURED WORKS	QTY	UNIT	Rate Euro	AMOUNT Euro
Ref.		DIAGNOSTIC BUILDING				
	Pg. 2	<b>REINFORCED CONCRETE FRAME Cont'd</b> <b><u>First Floor Level</u></b>  <b><u>E10 In Situ Concrete</u></b> <b><u>In situ concrete; 35 Mpa 28 day strength; reinforced; filled into form work and well vibrated around reinforcement</u></b>				
A.		In columns; reinforced	22.00	m <sup>3</sup>	€	-
B.		In beams; reinforced	139.00	m <sup>3</sup>	€	-
C.		In shear walls; reinforced	48.50	m <sup>3</sup>	€	-
D.		In lintels; reinforced	1.50	m <sup>3</sup>	€	-
E.		In window sills; reinforced	11.50	m <sup>3</sup>	€	-
		<b><u>E20 Formwork for In Situ Concrete; dressed to give a smooth finish</u></b>				
F.		To columns; isolated; square shaped; plywood formwork	224.00	m <sup>2</sup>	€	-
G.		To beams; reinforced; plywood formwork	795.00	m <sup>2</sup>	€	-
H.		To shear walls; reinforced; plywood formwork	485.00	m <sup>2</sup>	€	-
I.		To lintels; rectangular shaped; plywood formwork	5.60	m <sup>2</sup>	€	-
J.		To window sills; rectangular shaped; plywood formwork	78.30	m <sup>2</sup>	€	-
		<b><u>E30 High tensile reinforcement for In Situ Concrete</u></b>				
K.		32mm diameter; straight; in RC columns.	5,266.00	Kgs	€	-
L.		25mm diameter; straight; in RC columns.	1,128.00	Kgs	€	-
M.		25mm diameter; straight; in RC beams.	3,548.85	Kgs	€	-
N.		25mm diameter, bent; in RC beams.	9,131.94	Kgs	€	-
O.		16mm diameter; bent; in RC beams.	681.31	Kgs	€	-
P.		16mm diameter; straight; in RC shear walls.	2,771.00	Kgs	€	-
Q.		12mm diameter; bent; as stirrups in RC columns.	1,353.00	Kgs	€	-
R.		12mm diameter; straight; in RC lintels	660.41	Kgs	€	-
S.		12mm diameter; straight; in RC window sills	466.64	Kgs	€	-
T.		10mm diameter; seismic hoop; in RC columns.	575.50	Kgs	€	-
U.		10mm diameter; bent; as stirrups in RC beams.	4,441.50	Kgs	€	-
V.		10mm diameter; bent; as stirrups in RC window sills.	299.43	Kgs	€	-
W.		8mm diameter; bent; as stirrups in RC lintels.	461.00	Kgs	€	-
					Euro	€ -

BILL NO.	2	NATIONAL DIAGNOSTIC FACILITY MEASURED WORKS	QTY	UNIT	Rate Euro	AMOUNT Euro
Ref.		DIAGNOSTIC BUILDING				
	Pg. 3	<b>REINFORCED CONCRETE FRAME Cont'd</b>				
		<u>Roof Level</u>				
		<u>E10 In Situ Concrete</u>				
		<u>In situ concrete; 35 Mpa 28 day strength; reinforced; filled into form work and well vibrated around reinforcement</u>				
A.		In beams; reinforced	89.00	m <sup>3</sup>	€	-
B.		In shear walls; reinforced	17.50	m <sup>3</sup>	€	-
C.		In ring beams; reinforced	12.25	m <sup>3</sup>	€	-
D.		In capping beams; reinforced	28.00	m <sup>3</sup>	€	-
		<u>E20 Formwork for In Situ Concrete; dressed to give a smooth finish</u>				
E.		To beams; reinforced; plywood formwork	475.00	m <sup>2</sup>	€	-
F.		To shear walls; reinforced; plywood formwork	174.70	m <sup>2</sup>	€	-
G.		To ring beams; rectangular shaped; plywood formwork	122.25	m <sup>2</sup>	€	-
H.		To capping beams; rectangular shaped; plywood formwork	186.00	m <sup>2</sup>	€	-
		<u>E30 High tensile reinforcement for In Situ Concrete</u>				
I.		25mm diameter; straight; in RC beams.	3,285.82	Kgs	€	-
J.		25mm diameter; bent; in RC beams.	8,439.87	Kgs	€	-
K.		16mm diameter; in RC beams.	681.31	Kgs	€	-
L.		16mm diameter; straight; in RC shear walls.	1,847.00	Kgs	€	-
M.		12mm diameter; straight; in RC capping beam.	824.00	Kgs	€	-
N.		12mm diameter; straight; in RC ring beams.	723.63	Kgs	€	-
O.		10mm diameter; bent; as stirrups in RC beams.	4,282.00	Kgs	€	-
P.		10mm diameter; bent; as stirrups in RC ring beams.	971.32	Kgs	€	-
Q.		10mm diameter; bent; as stirrups in RC capping beam.	857.00	Kgs	€	-
					Euro	€ -

BILL NO.	2	NATIONAL DIAGNOSTIC FACILITY MEASURED WORKS	QTY	UNIT	Rate Euro	AMOUNT Euro
Ref.		DIAGNOSTIC BUILDING				
	Pg. 4	<b>REINFORCED CONCRETE FRAME Cont'd</b>				
		<b><u>K31 Linings</u></b>				
A.		Interlocking 75mm x 37.5mm <b>floor to floor</b> expansion joint cover with continuous extruded aluminum frame, flexible gasket and cover plate insert; fixed with 10mm x 32mm stainless steel double wedge bolts placed at 450mm c/c; finished with non-shink grout	25.00	m		€ -
B.		Interlocking 75mm x 37.5mm <b>floor to wall</b> expansion joint cover with continuous extruded aluminum frame, flexible gasket and cover plate insert; fixed with 10mm x 32mm stainless steel double wedge bolts placed at 450mm c/c; finished with non-shink grout	14.00	m		€ -
C.		Flush <b>wall to wall</b> 75mm expansion joint cover with continuous flexible gasket and extruded aluminum frame concealed with feathered joint; fixed using 6mm x 32mm stainless steel masonry anchor screws.	11.00	m		€ -
					Euro	€ -
		<b>COLLECTION</b>				
		From: Page 7				€ -
		From: Page 8				€ -
		From: Page 9				€ -
		From: Page 10				€ -
		<b>REINFORCED CONCRETE FRAME</b>				
		Carried to Bill Summary			Euro	€ -

BILL NO.	2	NATIONAL DIAGNOSTIC FACILITY MEASURED WORKS	QTY	UNIT	Rate Euro	AMOUNT Euro
Ref.		DIAGNOSTIC BUILDING				
4.	Pg. 1	<b>REINFORCED CONCRETE SUSPENDED SLABS</b>  <b>First Floor Level</b>  <u><b>E10 In situ concrete</b></u> <u><b>In situ concrete; 35 Mpa 28 day strength; reinforced; filled into form work and well vibrated around reinforcement</b></u>				
A.		In situ concrete; slabs; thickness 150mm - 450mm; in 175mm thick suspended.	123.50	m <sup>3</sup>		€ -
B.		In situ concrete; slabs; thickness 150mm - 450mm; in 200mm thick suspended.	74.50	m <sup>3</sup>		€ -
		<u><b>E20 Formwork for In Situ Concrete</b></u>				
C.		To soffit of slabs; thickness ≤ 200mm; plywood formwork to slab 175mm thick.	704.40	m <sup>2</sup>		€ -
D.		To soffit of slabs; thickness ≤ 200mm; plywood formwork to slab 200mm thick.	374.20	m <sup>2</sup>		€ -
E.		To edges of suspended slab; plain vertical; height to soffit > 1.50m; plywood formwork to edge of 175mm thick slab	135.00	m		€ -
F.		To edges of suspended slab; plain vertical; height to soffit > 1.50m; plywood formwork to edge of 200mm thick slab	93.80	m		€ -
		<u><b>E30 High tensile reinforcement for In Situ Concrete</b></u>				
G.		12mm diameter; straight; main bars in suspended First Floor slab.	23,069.58	Kgs		€ -
					Euro	€ -

BILL NO.	2	NATIONAL DIAGNOSTIC FACILITY MEASURED WORKS	QTY	UNIT	Rate Euro	AMOUNT Euro
Ref.		DIAGNOSTIC BUILDING				
	Pg. 2	<b>REINFORCED CONCRETE SUSPENDED SLABS Cont'd</b>				
		<b>Roof Level</b>				
		<b><u>E10 In situ concrete</u></b>				
		<b><u>In situ concrete; 35 Mpa 28 day strength; reinforced; filled into form work and well vibrated around reinforcement</u></b>				
A.		In situ concrete; slabs; thickness 150mm - 450mm; in 150mm thick suspended.	25.60	m <sup>3</sup>		€ -
B.		In situ concrete; slabs; thickness 150mm - 450mm; in 175mm thick suspended.	109.70	m <sup>3</sup>		€ -
C.		In situ concrete; slabs; thickness 150mm - 450mm; in 200mm thick suspended.	74.44	m <sup>3</sup>		€ -
		<b><u>E20 Formwork for in situ concrete</u></b>				
D.		To soffit of slabs; thickness ≤ 200mm; plywood formwork to slab 150mm thick.	103.20	m <sup>2</sup>		€ -
E.		To soffit of slabs; thickness ≤ 200mm; plywood formwork to slab 175mm thick.	626.70	m <sup>2</sup>		€ -
F.		To soffit of slabs; thickness ≤ 200mm; plywood formwork to slab 200mm thick.	372.20	m <sup>2</sup>		€ -
G.		To edges of suspended slab; plain vertical; height to soffit > 1.50m; plywood formwork to edge of 150mm thick slab	61.00	m		€ -
H.		To edges of suspended slab; plain vertical; height to soffit > 1.50m; plywood formwork to edge of 175mm thick slab	208.00	m		€ -
I.		To edges of suspended slab; plain vertical; height to soffit > 1.50m; plywood formwork to edge of 200mm thick slab	93.80	m		€ -
		<b><u>E30 High tensile reinforcement for in situ concrete</u></b>				
J.		12mm diameter; main bars in suspended Roof slab.	18,319.95	Kgs		€ -
					Euro	€ -

BILL NO.	2	NATIONAL DIAGNOSTIC FACILITY MEASURED WORKS DIAGNOSTIC BUILDING	QTY	UNIT	Rate Euro	AMOUNT Euro
Ref.						
	Pg. 3	REINFORCED CONCRETE SUSPENDE SLABS Cont'd				
		COLLECTION				
		From: Page 11				€ -
		From: Page 12				€ -
		REINFORCED CONCRETE SUSPENDE SLABS				
		Carried to Bill Summary			Euro	€ -

BILL NO.	2	NATIONAL DIAGNOSTIC FACILITY MEASURED WORKS	QTY	UNIT	Rate Euro	AMOUNT Euro
Ref.		DIAGNOSTIC BUILDING				
5.	Pg. 1	<b>BLOCKWORK &amp; MASONRY</b> <b>Ground Floor</b>  <b><u>F10 Brick/Block Walling</u></b>  Hollow blockwalls; 150mm thick; vertical; built against concrete columns; to stretcher bond in C & S mortar 1 : 3 mix; including filling <b>all</b> cavities with 1:2:4 mix concrete.	91.80	m <sup>2</sup>	€	-
A.						
B.		Hollow blockwalls; 150mm thick; vertical; built against concrete columns; to stretcher bond in C & S mortar 1 : 3 mix; including filling <b>every other</b> core with 1:2:4 mix concrete.  <b><u>E30 Reinforcement for In Situ Concrete</u></b>  High tensile steel bar reinforcement; straight; vertical; 12mm diameter; in blockwalling @ 400mm crs. horizontally	1,861.30	m <sup>2</sup>	€	-
C.			2,641.00	Kgs	€	-
D.		<b><u>F30 Accessories for Blockwalling</u></b> Brickforce or equal approved heavy duty galvanized steel ladder type joint reinforcement with 150mm laps at ends and corners in 150 mm block walls.	2,486.00	m	€	-
E.		<b><u>E41 Worked Finishes</u></b> Hacking; surfaces of columns to form key for plaster	168.00	m <sup>2</sup>	€	-
F.		Hacking; surfaces of lintels to form key for plaster	4.20	m <sup>2</sup>	€	-
G.		<b><u>M Surface Finishes</u></b> <b><u>M20 Plastered / Rendered / Roughcast Coatings</u></b> Walls; 13mm thick plaster;1:3 mix applied in 2 coats; float finish to surfaces of blockwork 200mm .	3,906.20	m <sup>2</sup>	€	-
H.		Columns; 13mm thick plaster;1:3 mix applied in 2 coats; finish to surfaces of columns.	168.00	m <sup>2</sup>	€	-
					Euro	€ -

BILL NO.	2	NATIONAL DIAGNOSTIC FACILITY MEASURED WORKS	QTY	UNIT	Rate Euro	AMOUNT Euro
Ref.		DIAGNOSTIC BUILDING				
	Pg. 2	<b>BLOCKWORK &amp; MASONRY Cont'd</b>				
		<b>First Floor</b>				
		<b><u>F10 Brick/Block Walling</u></b>				
A.		Hollow blockwalls; 150mm thick; vertical; built against concrete columns; to stretcher bond in C & S mortar 1 : 3 mix; including filling <b>all</b> cavities with 1:2:4 mix concrete.	91.80	m <sup>2</sup>		€ -
B.		Hollow blockwalls; 150mm thick; vertical; built against concrete columns; to stretcher bond in C & S mortar 1 : 3 mix; including filling <b>every other</b> core with 1:2:4 mix concrete.	1,165.80	m <sup>2</sup>		€ -
		<b><u>E30 Reinforcement for In Situ Concrete</u></b>				
C.		High tensile steel bar reinforcement; straight; vertical; 12mm diameter; in blockwalling @ 400mm crs.	1,651.00	Kgs		€ -
		<b><u>F30 Accessories for Blockwalling</u></b>				
D.		Brickforce or equal approved heavy duty galvanized steel ladder type joint reinforcement with 150mm laps at ends and corners in 150 mm block walls.	1,129.00	m		€ -
		<b><u>E41 Worked Finishes</u></b>				
E.		Hacking; surfaces of columns to form key for plaster	183.00	m <sup>2</sup>		€ -
F.		Hacking; surfaces of lintels to form key for plaster	5.60	m <sup>2</sup>		€ -
		<b><u>M Surface Finishes</u></b>				
		<b><u>M20 Plastered / Rendered / Roughcast Coatings</u></b>				
G.		Walls; 13mm thick plaster;1:3 mix applied in 2 coats; float finish to surfaces of blockwork 200mm .	2,515.20	m <sup>2</sup>		€ -
H.		Columns; 13mm thick plaster;1:3 mix applied in 2 coats; finish to surfaces of columns.	183.00	m <sup>2</sup>		€ -
					Euro	€ -



BILL NO.	2	NATIONAL DIAGNOSTIC FACILITY MEASURED WORKS	QTY	UNIT	Rate Euro	AMOUNT Euro
Ref.		DIAGNOSTIC BUILDING				
	Pg. 3	<b>BLOCKWORK &amp; MASONRY Cont'd</b> <b>Roof Level</b>				
A.		<b><u>F10 Brick/Block Walling</u></b> Hollow blockwalls; 150mm thick; vertical; built against concrete columns; to stretcher bond in C & S mortar 1 : 3 mix; including filling <b>all</b> cavities with 1:2:4 mix concrete.	65.40	m <sup>2</sup>	€	-
B.		Hollow blockwalls; 150mm thick; vertical; built against concrete columns; to stretcher bond in C & S mortar 1 : 3 mix; including filling <b>every other</b> core with 1:2:4 mix concrete.	514.10	m <sup>2</sup>	€	-
C.		<b><u>E30 Reinforcement for In Situ Concrete</u></b> High tensile steel bar reinforcement; straight; vertical; 12mm diameter; in blockwalling @ 400mm crs.	481.00	Kgs	€	-
D.		<b><u>F30 Accessories for Blockwalling</u></b> Brickforce or equal approved heavy duty galvanized steel ladder type joint reinforcement with 150mm laps at ends and corners in 150 mm block walls.	770.00	m	€	-
E.		<b><u>M Surface Finishes</u></b> <b><u>M20 Plastered / Rendered / Roughcast Coatings</u></b> Walls; 13mm thick plaster; 1:3 mix applied in 2 coats; float finish to surfaces of blockwork 200mm .	1,159.00	m <sup>2</sup>	€	-
					Euro	€ -
		<b>COLLECTION</b>				
		From: Page 14			€	-
		From: Page 15			€	-
		From: Page 16			€	-
		<b>BLOCKWORK &amp; MASONRY</b>				
		Carried to Bill Summary			Euro	€ -

BILL NO.	2	NATIONAL DIAGNOSTIC FACILITY MEASURED WORKS	QTY	UNIT	Rate Euro	AMOUNT Euro
Ref.		DIAGNOSTIC BUILDING				
6.	Pg. 1	<b>REINFORCED CONCRETE STAIRCASES</b>				
		<b>Main Staircase</b>				
		<b><u>E10 In Situ Concrete</u></b>				
		<b><u>In situ concrete; 35 Mpa 28 day strength; reinforced; filled into form work and well vibrated around reinforcement</u></b>				
A.		In situ concrete; staircases; including bottom beam, waist, steps and intermediate landings.	25	m <sup>3</sup>	€	-
		<b><u>E20 Formwork for In Situ Concrete</u></b>				
B.		To steps in top surfaces; plain vertical; height ≤ 250mm; plywood formwork to front and sides of stair risers.	52.5	m <sup>2</sup>	€	-
C.		To soffit of slabs; thickness ≤ 150mm; sloping > 15°; height to soffit; plywood formwork to soffit of stair waist and landings.	25.6	m <sup>2</sup>	€	-
		<b><u>E30 High tensile reinforcement for in Situ Concrete</u></b>				
D.		16mm diameter; straight; main bars in stair waist, landing .	765	Kgs	€	-
E.		12mm diameter; straight; traverse bars in stair waist and landing.	351	Kgs	€	-
		<b><u>M Surface Finishes</u></b>				
		<b><u>M10 Sand Cement/Concrete/Granolithic Screeds/Flooring</u></b>				
F.		Floors; 25mm thick screed; 1:3 mix applied in 1 coat; float finish to stair risers, treads and landings.	74.7	m <sup>2</sup>	€	-
G.		Slip resistant ceramic tiling to floors; level and horizontal; work with joints as laid out and detailed on straight pattern to intermediate landing of stairs.	24.5	m <sup>2</sup>	€	-
H.		Slip resistant ceramic tiling to stair treads; 300 mm wide	109.8	m	€	-
I.		Slip resistant ceramic tiling to stair risers; 180 mm high	98.8	m	€	-
					Euro	€ -

BILL NO.	2	NATIONAL DIAGNOSTIC FACILITY MEASURED WORKS	QTY	UNIT	Rate Euro	AMOUNT Euro
Ref.		DIAGNOSTIC BUILDING				
	Pg. 2	<b>REINFORCED CONCRETE STAIRCASES Cont'd West Staircase</b>				
		<b><u>E10 In Situ Concrete</u></b>				
		<b><u>In situ concrete; 35 Mpa 28 day strength; reinforced; filled into form work and well vibrated around reinforcement</u></b>				
A.		In situ concrete; shearwalls; reinforced	25	m <sup>3</sup>	€	-
B.		In situ concrete; staircases; including bottom beam, waist, steps and intermediate landings.	10.5	m <sup>3</sup>	€	-
C.		In situ concrete; cantilever slab and beams; reinforced	1.5	m <sup>3</sup>	€	-
		<b><u>E20 Formwork for In Situ Concrete</u></b>				
D.		To shear walls; reinforced; plywood formwork	246.5	m <sup>2</sup>	€	-
E.		To steps in top surfaces; plain vertical; height ≤ 250mm; plywood formwork to soffit of stairs.	54.6	m <sup>2</sup>	€	-
F.		To soffit of slabs; thickness ≤ 150mm; sloping > 15°; height to soffit; plywood formwork to waist, sides and risers.	18.6	m <sup>2</sup>	€	-
G.		To cantilever slab and beams; reinforced; plywood formwork	8.2	m <sup>2</sup>	€	-
		<b><u>E30 High tensile reinforcement for in Situ Concrete</u></b>				
H.		16mm diameter; straight; main bars in stair waist and landing.	765	Kgs	€	-
I.		12mm diameter; straight; traverse bars in stair waist and landing.	351	Kgs	€	-
		<b><u>M Surface Finishes</u></b>				
		<b><u>M10 Sand Cement/Concrete/Granolithic Screeds/Flooring</u></b>				
J.		Floors; 25mm thick screed; 1:3 mix applied in 1 coat; float finish to stair risers, treads and landings.	60	m <sup>2</sup>	€	-
K.		Slip resistant ceramic tiling to floors; level and horizontal; work with joints as laid out and detailed on straight pattern to intermediate landing of stairs.	24	m <sup>2</sup>	€	-
L.		Slip resistant ceramic tiling to stair treads; 300mm wide	71.4	m	€	-
M.		Slip resistant ceramic tiling to stair risers; 150mm high	79.3	m	€	-
					Euro	€ -

BILL NO.	2	NATIONAL DIAGNOSTIC FACILITY MEASURED WORKS	QTY	UNIT	Rate Euro	AMOUNT Euro
Ref.		DIAGNOSTIC BUILDING				
	Pg. 3	<b>REINFORCED CONCRETE STAIRCASES Cont'd</b>				
		<b>East Staircase</b>				
		<b><u>E10 In Situ Concrete</u></b>				
		<b><u>In situ concrete; 35 Mpa 28 day strength; reinforced; filled into form work and well vibrated around reinforcement</u></b>				
A.		In situ concrete; shearwalls; reinforced	25	m <sup>3</sup>		€ -
B.		In situ concrete; staircases; including bottom beam, waist, steps and intermediate landings.	10.5	m <sup>3</sup>		€ -
C.		In situ concrete; cantilever slab and beams; reinforced	1.5	m <sup>3</sup>		€ -
		<b><u>E20 Formwork for In Situ Concrete</u></b>				
D.		To shear walls; reinforced; plywood formwork	246.5	m <sup>2</sup>		€ -
E.		To steps in top surfaces; plain vertical; height ≤ 250mm; plywood formwork to soffit of stairs.	54.6	m <sup>2</sup>		€ -
F.		To soffit of slabs; thickness ≤ 150mm; sloping > 15°; height to soffit; plywood formwork to waist, sides and risers.	18.6	m <sup>2</sup>		€ -
G.		To cantilever slab and beams; reinforced; plywood formwork	8.2	m <sup>2</sup>		€ -
		<b><u>E30 High tensile reinforcement for in Situ Concrete</u></b>				
H.		16mm diameter; straight; main bars in stair waist, landing and attached beams.	765	Kgs		€ -
I.		12mm diameter; straight; traverse bars in stair waist and landing.	351	Kgs		€ -
					Euro	€ -

BILL NO.	2	NATIONAL DIAGNOSTIC FACILITY MEASURED WORKS	QTY	UNIT	Rate Euro	AMOUNT Euro
Ref.		DIAGNOSTIC BUILDING				
	Pg. 4	<b>REINFORCED CONCRETE STAIRCASES Cont'd</b>				
		<b><u>M Surface Finishes</u></b>				
		<b><u>M10 Sand Cement/Concrete/Granolithic Screeds/Flooring</u></b>				
A.		Floors; 25mm thick screed; 1:3 mix applied in 1 coat; float finish to stair risers, treads and landings.	60	m <sup>2</sup>		€ -
B.		Slip resistant ceramic tiling to floors; level and horizontal; work with joints as laid out and detailed on straight pattern to intermediate landing of stairs.	24	m <sup>2</sup>		€ -
C.		Slip resistant ceramic tiling to stair treads; 300mm wide	71.4	m		€ -
D.		Slip resistant ceramic tiling to stair risers; 150mm high	79.3	m		€ -
					Euro	€ -
		<b>COLLECTION</b>				
		From: Page 17				€ -
		From: Page 18				€ -
		From: Page 19				€ -
		From: Page 20				€ -
		<b>REINFORCED CONCRETE STAIRCASES</b>				
		Carried to Bill Summary			Euro	€ -

BILL NO.	2	NATIONAL DIAGNOSTIC FACILITY MEASURED WORKS	QTY	UNIT	Rate Euro	AMOUNT Euro
Ref.		DIAGNOSTIC BUILDING				
7.	Pg. 1	<b>UPPER ROOF STRUCTURES</b>				
		<b>Roofing</b>				
A.		Metal trusses framed with galvanized steel 115mm dia. CHS in top chord and 100mm dia. CHS in bottom chord spanning 10750 mm and braced with 34mm dia. CHS webs using 12mm thick 250 grade galvanized steel plates. Refer to Sheet S-12 for details.	16.00	No.		€ -
B.		2 No. layers of 20mm treated ply decking	377.00	m <sup>2</sup>		€ -
C.		90mm batt insulation to underside of decking between RHS rafters.	202.00	m <sup>2</sup>		€ -
D.		1 No. layer of cemply cement sheeting to sofft of eaves	116.00	m <sup>2</sup>		€ -
E.		Gauge 24 standing seam snap-lock panel system fastened to decking in accordance with specifications.	377.00	m <sup>2</sup>		€ -
F.		20mm thick x 250mm timber fascia board finished to specifications	162.00	m		€ -
G.		25mm x 60mm metal flashing fastened to roof sheeting and timber fascia.	162.00	m		€ -
		<b>Cladding</b>				
H.		R panel sheeting on 22mm hat channels fastened to 150mm thick RC blockwall.	197.50	m <sup>2</sup>		€ -
		<b>UPPER ROOF STRUCTURES</b>				
		Carried to Bill Summary			Euro	€ -

BILL NO.	2	NATIONAL DIAGNOSTIC FACILITY MEASURED WORKS	QTY	UNIT	Rate Euro	AMOUNT Euro
Ref.		DIAGNOSTIC BUILDING				
8.	Pg. 1	<b>ROOF FINISHES AND DRAINAGE</b>				
		<b><u>J21 Mastic Asphalt Roofing/Insulation/Finishes</u></b>				
A.		2 ply bitumen water proofing membrane laid on 5mm thick polyisocyanurate rigid insulation on roof screed laid to fall on RC suspended slab.	1,079.00	m <sup>2</sup>		€ -
		<b><u>H72 Aluminium Sheet Coverings/Flashings</u></b>				
B.		Flashings; 24 gauge U shaped industrial capping; 485mm wide; sloping; fixed by screws with matching cadmium plated steel washers / high quality neoprene fittings.	21.00	m		€ -
C.		Flashings; 24 gauge Z shaped industrial capping; 485mm wide; sloping; fixed by screws with matching cadmium plated steel washers / high quality neoprene fittings.	20.00	m		€ -
D.		Flashings; 24 gauge L shaped industrial capping; 100mm x 50mm; tucket into reglet and caulked	140.00	m		€ -
		Flashings; 24 gauge L shaped industrial capping; 25mm x 50mm to roof eaves	310.00	m		€ -
		<b><u>Roof Drainage</u></b>				
E.		Forming of roof gutter in concrete roof slab with 0.5% fall to dome roof drain.	140.00	m		€ -
F.		305mm dia. low profile dome roof drain to fit 100mm dia p.v.c rainwater leader.	20.00	No.		€ -
G.		Smith scupple drain 1530 with angle grating outlet for filtering.	2.00	No.		€ -
		<b>ROOF FINISHES AND DRAINAGE</b>				
		Carried to Bill Summary			Euro	€ -

BILL NO.	2	NATIONAL DIAGNOSTIC FACILITY MEASURED WORKS	QTY	UNIT	Rate Euro	AMOUNT Euro
Ref.		DIAGNOSTIC BUILDING				
9.	Pg. 1	<b>BALUSTRADING &amp; CANOPIES</b>				
		<u>Staircase 1</u>				
A.		Prefabricated railing with 13mm dia. Diagonal balusters secured to 30mm dia. SS vertical baluster with 19mm dia. SS slotted rod and 38mm dia. Top rail supported by 19mm dia. SS rod with welded top plate. Railing fixed to stair slab with 76mm dia. X 6mm thk SS plate with 4 No. fixing screws; plate covered with 102mm dia. x 25mm SS cap.	15.00	m		€ -
B.		Prefabricated staircase handrail with 38 mm dia. SS rail fixed to SS angle bracket with 76mm projection; fixed to wall with SS anchor screws.	14.00	m		€ -
		<u>Staircase 2 and 3</u>				
C.		Prefabricated staircase railing with 38mm dia. MS vertical ballusters and 38mm dia. Horizontal ballusters welded to 76mm dia. X 6mm thk MS plates fixed to RC stair slab using 4 No. SS fixing screws; railing finished with one coat metal primer and two coats approved metal coating.	30.00	m		€ -
D.		Prefabricated staircase handrail with 38mm dia. MS rail welded to MS angle bracket with 76mm projection and finished with one coat metal primer and two coats approved metal coating.	52.00	m		€ -
		<u>Roof Railing</u>				
E.		Prefabricated aluminum railing with 51mm dia. CHS welded between 10mm thk vertical balustrades with 150mm x 100mm x 10mm thk welded base plate secured to RC upstand using 4 No. 10mm dia. galvanized anchor bolts; railing finished with one coat metal primer and two coats approved metal coating.	150.00	m		€ -
		<u>Façade Recessed Channel</u>				
F.		51mm x 10mm deep aluminum channel recessed into rendering building façade above window canopies and aligned with window frames.	95.00	m		€ -
G.		<u>Window Canopies</u>				
H.		Prefabricated aluminum canopy with 152mm aluminum zed louvers welded between 76mm x 203mm aluminum RHS frame 914mm wide; fixed to RC lintel using stainless steel anchor bolts.	262.00	m		€ -
I.		Prefabricated aluminum canopy with 152mm aluminum zed louvers welded between 76mm x 305mm aluminum RHS frame 914mm wide; fixed to RC lintel using stainless steel anchor bolts.	5.00	m		€ -
					Euro	€ -



BILL NO.	2	NATIONAL DIAGNOSTIC FACILITY MEASURED WORKS	QTY	UNIT	Rate Euro	AMOUNT Euro
Ref.		DIAGNOSTIC BUILDING				
A.	Pg. 2	<b>BALUSTRADING &amp; CANOPIES</b>  Prefabricated aluminum trapezoidal canopy with 152mm aluminum zed louvers welded between 76mm x 305mm aluminum RHS frame 2438mm wide tapered to 1219mm wide; fixed to RC lintel using stainless steel anchor bolts.	4.00	No.		€ -
B.		<u>Entrance Canopy and Cladding</u> Entrance canopy framed with steel C channel welded metal beams supporting metal I beams and layered with composite cladding using fixing clips; canopy covered with fiberglass applied to 20mm thk marine plywood.		L.S.		€ 5,578.00
					Euro	€ 5,578.00
		<b>COLLECTION</b>  <div>From: Page 23</div> <div>From: Page 24</div>				€ -
		<b>BALUSTRADING &amp; CANOPIES</b>  <div>Carried to Bill Summary</div>				€ 5,578.00
					Euro	€ 5,578.00

BILL NO.	2	NATIONAL DIAGNOSTIC FACILITY MEASURED WORKS	QTY	UNIT	Rate Euro	AMOUNT Euro
Ref.		DIAGNOSTIC BUILDING				
10.	Pg. 1	INTERNAL PARTITIONING				
		Ground Floor				
		<u>G20 Carpentry/ Timber Framing / First Fixing</u>				
A.		2 layers of 12mm fire rated gypsum wall board on outside of 16mm (20 gauge) metal studs at 400mm o/c from floor to soffit of slab above; Partition Type C.	57.00	m <sup>2</sup>		€ -
		<u>M Surface Finishes</u>				
		<u>M60 Painting/Clear Finishings</u>				
B.		General surfaces of walls; 1 undercoat and 2 finish coats emulsion paint; prepared and applied to gypsum board walls. (m/s).	57.00	m <sup>2</sup>		€ -
		INTERNAL PARTITIONING				
		Carried to Bill Summary			Euro	€ -

BILL NO.	2	NATIONAL DIAGNOSTIC FACILITY MEASURED WORKS	QTY	UNIT	Rate Euro	AMOUNT Euro
Ref.		DIAGNOSTIC BUILDING				
11.	Pg. 1	<b>WALL FINISHES</b>				
		<b>Ground Floor</b>				
		<u><b>M Surface Finishes</b></u>				
		<u><b>M60 Painting/Clear Finishings</b></u>				
A.		General surfaces - walls; 1 coat primer and 2 coats emulsion paint; prepared and applied to plastered exterior surfaces of blockwalls (m/s)	650.00	m <sup>2</sup>	€	-
B.		General surfaces - walls; 1 coat primer and 2 coats emulsion paint; prepared and applied to plastered interior surfaces of blockwalls(m/s)	3,493.23	m <sup>2</sup>	€	-
		<b>First Floor</b>				
		<u><b>M Surface Finishes</b></u>				
		<u><b>M60 Painting/Clear Finishings</b></u>				
C.		General surfaces - walls; 1 coat primer and 2 coats emulsion paint; prepared and applied to plastered exterior surfaces of blockwalls (m/s)	739.50	m <sup>2</sup>	€	-
		<b>Roof Level</b>				
		<u><b>M Surface Finishes</b></u>				
		<u><b>M60 Painting/Clear Finishings</b></u>				
D.		General surfaces - walls; 1 coat primer and 2 coats emulsion paint; prepared and applied to plastered exterior surfaces of blockwalls (m/s)	512.84	m <sup>2</sup>	€	-
E.		General surfaces - walls; 1 coat primer and 2 coats emulsion paint; prepared and applied to plastered interior surfaces of blockwalls(m/s)	512.84	m <sup>2</sup>	€	-
					Euro	€ -

BILL NO.	2	NATIONAL DIAGNOSTIC FACILITY MEASURED WORKS	QTY	UNIT	Rate Euro	AMOUNT Euro
Ref.		DIAGNOSTIC BUILDING				
12.	Pg. 1	<b>CEILING FINISHES</b>				
		<b>Ground Floor</b>				
		<b><u>M20. Plastered/Rendered/Roughcast Coatings</u></b>				
A.		1 layer of 12mm sheetrock on underside of 100mm (20 gauge) metal studs at 600mm o/c to soffit of slab above to form ceiling.	149.00	m <sup>2</sup>	€	-
B.		600mm x 600mm acoustic tile suspended ceiling supported by 18mm aluminum T-Bar framing system including accessories as per drawings and specifications.	735.00	m <sup>2</sup>	€	-
C.		Exposed soffit of reinforced concrete slab dressed with cement water and painted with 1 coat primer and 2 coats emulsion paint.	69.50	m <sup>2</sup>	€	-
D.		100mm timber rebated ceiling moulding to sheetrock ceiling; areas finished with one coat primer and two coats emulsion paint.	75.00	m	€	-
		<b><u>M60 Painting/Clear Finishings</u></b>				
E.		General surfaces of ceilings; 1 undercoat and 2 finish coats emulsion paint; prepared and applied sheetrock ceiling (m/s).	149.00	m <sup>2</sup>	€	-
		<b>CEILING FINISHES</b>				
		Carried to Bill Summary			Euro	€ -

BILL NO.	2	NATIONAL DIAGNOSTIC FACILITY MEASURED WORKS	QTY	UNIT	Rate Euro	AMOUNT Euro
Ref.		DIAGNOSTIC BUILDING				
13.	Pg. 1	<b>BUILT IN FURNITURE</b>				
		<u>Reception Desk</u>				
		<u>Staff Lounge Kitchenette</u>				
A.		Fabricated using 50mm x 75mm TPP framing and 19mm thk treated plywood with cedar doors and drawer fronts and solid cedar counter top. Refer to Sheet A20.2 for details. Ironmongery as per door schedule.		L.S.		€ 6,949.00
		<u>Work Tops</u>				
B.		Fabricated with 50mm x 100mm TPP framing and 19mm thk treated plywood finished with 2mm thk plastic laminate.	409.00	m		€ -
		<u>Vanities</u>				
C.		Washroom vanities, comprising 50mm x 100mm TPP support framing, cedar doors and drawer fronts and porcelain counter top, include for finishing all internal surfaces with three coats of oil paint.	2.00	No.		€ -
		<b>BUILT IN FURNITURE</b>				
		Carried to Bill Summary			Euro	€ 6,949.00

BILL NO.	2	NATIONAL DIAGNOSTIC FACILITY MEASURED WORKS	QTY	UNIT	Rate Euro	AMOUNT Euro
Ref.		DIAGNOSTIC BUILDING				
<b>BILL</b>		<b>BILL SUMMARY</b>				
1		SITE PREPARATION				€ 18,288.00
2		SUBSTRUCTURE				€ 1,281.00
		SUPERSTRUCTURE				
3		Reinforced Concrete Frame				€ -
4		Reinforced Concrete Suspended Slabs				€ -
5		Blockwork and Masonry				€ -
6		Reinforced Concrete Staircases				€ -
7		Upper Roof Structures				€ -
8		Roof Finishes				€ -
9		Balustrading & Canopies				€ 5,578.00
10		Internal Partitioning				€ -
11		Wall Finishes				€ -
12		Ceiling Finishes				€ -
13		Built-in Furniture				€ 6,949.00
		<b>DIAGNOSTIC BUILDING</b>				
		Carried to General Summary			<b>Euro</b>	€ 32,096.00

BILL NO.	3	NATIONAL DIAGNOSTIC FACILITY MEASURED WORKS ELECTRICAL INSTALLATION	QTY	UNIT	Rate Euro
Ref.					
3.	Pg. 1	<p><b>ELECTRICAL INSTALLATION</b></p> <p>Supply and installation electrical system for the Diagnostic, Post Mortem and Chemical Storage Buildings in accordance with electrical layout, details and specifications as follows:</p> <p>A. Electrical installation in accordance with electrical layout to include all conduit, wiring, boxes, switches, outlets, lighting, builders work and protection of the works.</p> <p>D. Testing and inspection of electrical installations, approval from Regulatory Authority and commissioning.</p> <p><b>ELECTRICAL INSTALLATION</b></p> <p>Carried to General Summary</p>		<p>L.S</p> <p>L.S</p>	<p>Euro</p>

AMOUNT Euro	
€	122,987.00
€	2,560.00
€	125,547.00



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Pg. 2		<b>POTABLE WATER SUPPLY PLUMBING</b>				
		Extra Over the Pipes; PVC Schedule 40 Fittings:				
A.		Ø2 1/2" PVC Sch. 40 Tees	18	No.	€	-
B.		Ø2 " PVC Sch. 40 Tees	27	No.	€	-
C.		Ø1 1/2" PVC Sch. 40 Tees	18	No.	€	-
D.		Ø1 1/4" PVC Sch. 40 Tees	18	No.	€	-
E.		Ø1" PVC Sch. 40 Tees	27	No.	€	-
F.		Ø1/2" PVC Sch. 40 Tees	13	No.	€	-
G.		Ø3/4" PVC Sch. 40 Tees	13	No.	€	-
H.		Ø2 1/2" PVC Sch. 40 Elbows	9	No.	€	-
I.		Ø2 " PVC Sch. 40 Elbows	13	No.	€	-
J.		Ø1 1/2" PVC Sch. 40 Elbows	9	No.	€	-
K.		Ø1 1/4" PVC Sch. 40 Elbows	13	No.	€	-
L.		Ø1" PVC Sch. 40 Elbows	4	No.	€	-
M.		Ø1/2" PVC Sch. 40 Elbows	189	No.	€	-
N.		Ø3/4" PVC Sch. 40 Elbows	4	No.	€	-
O.		Ø1/2" x 3/8" Flex Line and Fit's (FB)	55	Nr	€	-
P.		Ø1/2" x 5/8" Flex Line and Fit's (WC)	10	Nr	€	-
					Euro	€ -

	Pg. 3	<b><u>POTABLE HOT WATER SUPPLY PLUMBING</u></b>				
		<b><u>CPVC Schedule 40 Hot Water Supply Pipe: Straight: Jointed with CPVC Schedule 40 fittings</u></b>				
A.		Ø1/2" CPVC Sch. 40 Pipe(include all couplings, adapters and bushings)	10	m	€	-
		Extra Over the Pipes; CPVC Fittings:				
B.		Ø3/4" CPVC Sch. 40 Tees	4	No.	€	-
C.		Ø3/4" CPVC Sch. 40 Elbows	9	No.	€	-
D.		Ø1/2" CPVC Sch. 40 Elbows	22	No.	€	-
		Extra Over the Pipes; PVC Brass Fittings:				
E.		Ø1/2" Brass Angle Valve	75	Nr	€	-
F.		Ø2" Industrial Ball Valve	9	Nr	€	-
G.		Ø2 1/2" Industrial Ball Valve	3	Nr	€	-
H.		Ø1 1/4" Brass Ball Valve	3	Nr	€	-
I.		Ø1" Brass Ball Valve	4	Nr	€	-
J.		Ø2 1/2" Brass Check Valve	3	Nr	€	-
K.		Ø2" Union Valve	2	Nr	€	-
L.		Ø1/2" Hose Bibb	2	Nr	€	-
					Euro	€ -

[illegible]

Pg. 5	<b><u>PLUMBING FIXTURES &amp; ACCESSORIES</u></b>				
A.	Supply and Installation of S-Trap Water Closet Complete	1	Nr.	€	-
B.	Supply and Installation of P-Trap Water Closet Complete	9	Nr.	€	-
C.	Supply And Installation of Face Basin Complete with faucets	15	Nr.	€	-
D.	Supply And Installation of Kitchen Sinks Complete with chrome faucets	2	Nr.	€	-
E.	Supply and Installation of Cleaners Sink complete with chrome faucet	42	Nr.	€	-
F.	Supply and Installation of Wall Hung Urinal complete with flushing system	4	Nr.	€	-
G.	Supply and Installtion of Showers Complete with all Components Including Shower Head and Drains.	10	Nr.	€	-
H.	Ø2" Floor Drains	4	Nr	€	-
I.	<b><u>MISCELLANEOUS ITEMS</u></b>				
J.	Allow for supply and installation of supports, pvc cement, anchors, anti-vibration devices, strap, etc. necessary to complete installation(including unistrut hanging gear aline with threaded rodes and anchor bolts)	1	L.S.	€	2,194.00
				Euro	€ 2,194.00

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	Pg. 7	<b>SUNDRIES</b>				
A.		Provision of As-Built Drawings, Operating Instruction, Manuals	1	L.S.	€	549.00
B.		Identification of Systems Components including Plates, disc, Labals, Charts and Codings.	1	L.S.	€	549.00
C.		Testing & Commissioning of Plumbing System Including Portable Water Pump and Waste Water System in Accordance with the Specification	1	L.S.	€	914.00
D.		Provison of Builder's Works associated with the Plumbing Works Including making holes, chases etc.	1	L.S.	€	1,463.00
E.		Include here for all other items required as per drawing, specificaliton and Bill of Quantities: List:	1	L.S.	€	1,463.00
F.		Protection of Works	1	L.S.	€	1,097.00
					Euro	€ 6,035.00
		<b>COLLECTION</b>				
		From: Page 1			€	-
		From: Page 2			€	-
		From: Page 3			€	-
		From: Page 4			€	-
		From: Page 5			€	2,194.00
		From: Page 6			€	38,953.00
		From: Page 7			€	6,035.00
		<b>PLUMBING INSTALLATION</b>				
		Carried to Bill Summary			Euro	€ 47,182.00

BILL NO.	5	NATIONAL DIAGNOSTIC FACILITY	QTY	UNIT	Rate	AMOUNT
		MEASURED WORKS			Euro	Euro
Ref.		FIRE DETECTION AND ALARM SYSTEM				
5.	Pg. 1	<b>FIRE DETECTION AND ALARM SYSTEM</b>				
A.		Allow a Prime Cost Sum of Euro 28,336.25.00 for the provision of a Fire Detection and Alarm System and integration with the Access Control to ensure the Building's fire readiness.		Euro		€ 28,336.25
B.		Allow for Main Contractor's Profit	1	%	10%	€ 2,833.63
C.		Allow for General Attendance	Item			
D.		Allow for Special Attendance				
		1. Unloading, storing etc.	Item			
		2. Providing power	Item			
		3 Protection of Installations.	Item			
		<b>FIRE DETECTION AND ALARM SYSTEM</b>				
		Carried to General Summary			Euro	€ 31,169.88



BILL NO.	6	NATIONAL DIAGNOSTIC FACILITY MEASURED WORKS	QTY	UNIT	Rate Euro
Ref.		AIR CONDITIONING SYSTEM			
6.	Pg. 1	<b>AIR CONDITIONING SYSTEM</b>			
A.		Allow a Prime Cost Sum of Euro 129,163.76 for the Supply and Installation of the VRF and Multi-Split Unit Air Conditioning Systems in accordance with the drawings and specifications provided.		Euro	
B.		Allow for Main Contractor's Profit	1	%	10%
C.		Allow for General Attendance	Item		
D.		Allow for Special Attendance			
		1. Unloading, storing etc.	Item		
		2. Providing power	Item		
		3 Protection of Installations.	Item		
		<b>AIR CONDITIONING SYSTEM</b>			
		Carried to General Summary			Euro

AMOUNT Euro
€ 129,163.76
€ 12,916.38
€ 142,080.14

BILL NO.	7	NATIONAL DIAGNOSTIC FACILITY MEASURED WORKS	QTY	UNIT	Rate Euro
Ref.		TELECOMMUNICATIONS SYSTEM			
7.	Pg. 1	<b>TELECOMMUNICATIONS SYSTEM</b>			
A.		Allow a Prime Cost Sum of Euro 27,065.28 for the supply and installation of structured Cat5e Cabling and PaBx System for Business Telecommunications throughout the building.		Euro	
B.		Allow for Main Contractor's Profit	1	%	10%
C.		Allow for General Attendance	Item		
D.		Allow for Special Attendance			
		1. Unloading, storing etc.	Item		
		2. Providing power	Item		
		3. Protection of Installations.	Item		
		<b>TELECOMMUNICATIONS SYSTEM</b>			
		Carried to General Summary			Euro

AMOUNT Euro
€ 27,065.28
€ 2,706.53
€ 29,771.81

BILL NO.	8	NATIONAL DIAGNOSTIC FACILITY MEASURED WORKS	QTY	UNIT	Rate Euro	AMOUNT Euro
Ref.		SECURITY ALARM AND ACCESS CONTROL				
8.	Pg. 1	<b>SECURITY ALARM AND ACCESS CONTROL</b>				
A.		Allow a Prime Cost Sum of Euro 14,117.84.00 for the provision of CCTV, Security Alarm and Access Control Systems for Safety and Security.		Euro		€ 14,117.84
B.		Allow for Main Contractor's Profit	1	%	10%	€ 1,411.78
C.		Allow for General Attendance	Item			
D.		Allow for Special Attendance				
		1. Unloading, storing etc.	Item			
		2. Providing power	Item			
		3 Protection of Installations.	Item			
		<b>SECURITY ALARM AND ACCESS CONTROL</b>				
		Carried to General Summary			Euro	€ 15,529.62

BILL NO.	9	NATIONAL DIAGNOSTIC FACILITY MEASURED WORKS RETAINING WALLS	QTY	UNIT	Rate Euro	AMOUNT Euro
Ref.						
		<b>RETAINING WALLS</b>				
		<b>Excavation, including for backfilling, spreading and levelling in trenches.</b>				
A.		Excavating trenches, width > 300mm; maximum depth ≤ 1.80 m to strip foundation footings and get out.	693.00	m <sup>3</sup>		€ -
		<b><u>Working Space Allowance to Excavations</u></b>				
B.		To trench excavations.	94.00	m <sup>2</sup>		€ -
		<b><u>Surface Treatment</u></b>				
C.		Level and compact bottom of excavations to receive blinding	290.00	m <sup>2</sup>		€ -
D.		Trimming; sides of cuttings; vertical to trenches	750.00	m <sup>2</sup>		€ -
		<b><u>Earthwork Support</u></b>				
E.		Maximum depth ≤ 2.00 m; distance between opposing faces > 2.00m below ground level to excavated trenches.	750.00	m <sup>2</sup>		€ -
		<b><u>Disposal</u></b>				
F.		Disposal of excavated material off site to suitable dump site approved by Engineer not exceeding 10 kilometers away.	515.00	m <sup>3</sup>		€ -
		<b><u>Site Dewatering</u></b>				
G.		Dewatering of ground water in excavations as required.		L.S.		€ 914.00
		<b><u>E10 In Situ Concrete in Substructure</u></b>				
H.		In situ concrete; blinding; 20 Mpa; 50mm thick to bottom of excavation.	15.0	m <sup>3</sup>		€ -
		<b><u>In situ concrete; 35 Mpa 28 day strength; reinforced; filled into form work and well vibrated around reinforcement</u></b>				
I.		In situ concrete; reinforced; wall footing	100.00	m <sup>3</sup>		€ -
J.		In situ concrete; reinforced; wall stem	78.00	m <sup>3</sup>		€ -
		<b><u>E20 Formwork in Substructure</u></b>				
K.		To sides of foundations; plain vertical; height > 250mm plywood formwork to wall footing; 350mm high.	109.00	m <sup>2</sup>		€ -
L.		To sides of foundations; plain vertical; height 1.00m -2.50m plywood formwork to wall stem.	780.00	m <sup>2</sup>		€ -
		<b><u>E30 Reinforcement for In Situ Concrete</u></b>				
M.		12mm diameter bars in wall footing.	7.50	Tonnes		€ -
		12mm diameter bars in wall stem.	8.60	Tonnes		€ -
		<b>RETAINING WALLS</b>				
		Carried to Bill Summary			Euro	€ 914.00

Pg. 2	<b>SITE DRAINAGE, SEPTIC TANK &amp; SOAK-AWAY</b>				
	<b><u>Surface Water Drainage</u></b>				
A.	Construction of 600mm x 400mm reinforced concrete open box drain constructed as per drawings, details and specifications.	213.00	m	€	-
C.	1000mm x 1000mm x 600mm deep reinforced concrete open catchpits constructed as per drawings, details and specifications	2.00	No.	€	-
D.	Clearing, shaping and sloping of existing earthen channel	37.00	m	€	-
	<b><u>Piped Drainage</u></b>				
E.	100mm diameter PVC drain pipe included bends, connected from roof rainwater down pipes to manholes with 150mm sand surround; minimum 150mm below ground level.	202.00	m	€	-
F.	150mm diameter PVC drain pipe included bends, connected from roof rainwater down pipes to manholes with 150mm sand surround; minimum 150mm below ground level.	175.00	m	€	-
G.	200mm diameter PVC drain pipe included bends, connected from roof rainwater down pipes to manholes with 150mm sand surround; minimum 150mm below ground level.	19.00	m	€	-
	<b><u>Manholes</u></b>				
H.	Reinforced concrete manhole 600mm x 600mm x 750mm deep with watertight ductile iron hinged manhole cover in accordance with specifications.	7.00	No.	€	-
I.	Reinforced concrete manhole 650mm x 1250mm x 750mm deep with watertight ductile iron hinged manhole cover in accordance with specifications.	3.00	No.	€	-
	<b><u>Septic Tank</u></b>				
J.	Septic tank, overall size 4.50m x 3.00m x 2.4m deep, complete as shown in drawings and according to specifications.	1.00	No.	€	-
K.	Soak-away/drain field; 1.20m x 1.20m x 2.00m deep, comprising graded rock filled stone and polythene sheet cover; include for excavation and backfilling.	1.00	No.	€	-
	<b>SITE DRAINAGE, SEPTIC TANK &amp; SOAK-AWAY</b>				
	Carried to Bill Summary			Euro	€ -

Pg. 3	<b>RAMPS, WALKWAYS &amp; STEPS</b>				
	<b><u>Reinforced Concrete Ramps</u></b>				
D.	Reinforced concrete ramp constructed in accordance with drawings and specifications to include foundation works, reinforced concrete slab, sloped 1:12 with brushed finish and 38mm dia mild steel handrail fixed as per details and finished with one coat metal primer and two coats approved metal paint..				
E.	Ramp No. 1	Sum	€	4,124.00	
	Reinforced concrete ramp constructed in accordance with drawings and specifications to include foundation works, reinforced concrete slab, sloped 1:12 with brushed finish to ramp and landing; reinforced masonry wall with 38mm dia mild steel handrail fixed as per details and finished with one coat metal primer and two coats approved metal paint..				
F.	Ramp No. 2	Sum	€	3,529.00	
	Reinforced concrete ramp constructed in accordance with drawings and specifications to include foundation works, reinforced concrete slab, sloped 1:12 with brushed finish and 38mm dia mild steel handrail fixed as per details and finished with one coat metal primer and two coats approved metal paint..				
G.	Ramp No. 3	Sum	€	2,888.00	
	Reinforced concrete ramp constructed in accordance with drawings and specifications to include foundation works, reinforced concrete slab, sloped 1:12 with brushed finish to ramp and landing.				
H.	Ramp No. 4	Sum	€	1,189.00	
	Reinforced concrete ramp constructed in accordance with drawings and specifications to include foundation works, reinforced concrete slab, sloped 1:12 with brushed finish to ramp and landing; reinforced masonry wall with 38mm dia mild steel handrail fixed as per details.				
I.	Ramp No. 5	Sum	€	2,194.00	
			Euro	€	13,924.00



Pg. 4	<b>PAVEMENTS, RAMPS, WALKWAYS &amp; STEPS</b>					
	<u><b>Reinforced Concrete Walkways</b></u>					
	<u><b>E10 In Situ Concrete</b></u>					
	<u><b>In situ concrete; 35 Mpa 28 day strength; reinforced; filled into form work and well vibrated around reinforcement</b></u>					
	A.	In situ concrete; slabs; thickness ≤ 150mm; ground floor walkway slabs; 125mm thick	22.10	m <sup>3</sup>	€	-
	<u><b>E20 Formwork for In Situ Concrete; dressed to give a smooth finish</b></u>					
	B.	To edges of beds; plain vertical; height ≤ 250mm; plywood formwork to edge of ground floor walkway slabs	211.00	m	€	-
	<u><b>E30 Reinforcement for In Situ Concrete</b></u>					
	C.	Steel mesh fabric reinforcement to BS8666; A142 weighing 2.2 Kg/m <sup>2</sup> in walkway slabs slab and lapped not less then 300 mm at joints	175.00	m <sup>2</sup>	€	-
	<u><b>Finishes</b></u>					
	D.	Brushed concrete finish with trowelled edges to walkways as per Floor Finishes Layout - Sheet A25	175.00	m <sup>2</sup>	€	-
	<u><b>Steps</b></u>					
	E.	Reinforced concrete steps and landing to building entrance including backfill, compaction and reinforcement in accordance with drawings and specifications		Sum	€	1,737.00
					Euro	€ 1,737.00
<b>COLLECTION</b>						
From: Page4					€	13,924.00
From: Page 5					€	1,737.00
<b>RAMPS, WALKWAYS &amp; STEPS</b>						
Carried to Bill Summary					Euro	€ 15,661.00

A.	Pg. 6	<b>UTILITY BUILDING &amp; SERVICE MANHOLES</b>				
		<b><u>Utility Building</u></b>				
		Construction of reinforced concrete and masonry Utility Building to house pump, filter and control equipment for fertigation and irrigation system; comprising shallow strip footing, masonry walls, vent blocks, metal door and lean-to roof along with other other finishes in accordance with drawings and specifications.		L.S.	€	5,486.00
		<b><u>Manholes</u></b>				
		Reinforced concrete service manhole 1200mm x 600mm x 750mm deep with watertight ductile iron hinged manhole cover in accordance with specifications.	6.00	No.	€	-
		<b>UTILITY BUILDING &amp; SERVICE MANHOLES</b>				
		Carried to Bill Summary			Euro	€ 5,486.00

BILL No.					
	<b>BILL SUMMARY</b>				
1	Retaining Walls				€ 914.00
2	Site Drainage, Septic Tank & Soak-Away				€ -
3	Ramps, Walkways & Steps				€ 15,661.00
5	Utility Building & Service Manholes				€ 5,486.00
	<b>EXTERNAL WORKS</b>				
		Carried to Grand Summary		<b>Euro</b>	<b>€ 22,061.00</b>

**NATIONAL DIAGNOSTIC FACILITY**  
**MEASURED WORKS**  
**GRAND SUMMARY**

Bill No.	Description
	<u><b>Grand Summary</b></u>
Bill No. 1	Preliminaries
Bill No. 2	Diagnostic Building
Bill No. 3	Electrical Installation
Bill No. 4	Plumbing Installation
Bill No. 5	Fire Protection
Bill No. 6	Air Conditioning System
Bill No. 7	Telecommunications
Bill No. 8	Security Alarm & Access Control
Bill No. 9	External Works
	<b>Sub-Total Grand Summary</b>
	<b>TOTAL AMOUNT (Euro)</b>

**SUMMARY**

**TOTAL AMOUNT FOR WORKS (Euro)**

**TOTAL AMOUNT FOR LABORATORY EQUIPMENT(Euro)**

**GRAND TOTAL(Euro)**

<b>ENGINEER'S ESTIMATE</b>	
<b>Amount</b>	
€	2,745.00
€	32,096.00
€	125,547.00
€	47,182.00
€	31,169.88
€	142,080.14
€	29,771.81
€	15,529.62
€	22,061.00
€	448,182.44
€	<b>448,182.44</b>

€	-
€	-
€	-