Subject: BILL OF QUANTITIES

				T	1		1		T	1	
ITEM	DESCRIPTION	QUANTITY	UNIT	MATERIAL UNIT COST	TOTAL MATERIAL COST	LABOR UNIT COST	TOTAL LABOR COST	DIRECT COST	OVERHEAD, CONTINGENCIES, MISCELLANEOUS + CONTRACTOR'S PROFIT	5% VAT	TOTAL COST
(a)	(b)	(c)	(d)	(e)	(f=c*e)	(g)	( h = c * g )	(i=f+h)	(j)	(k=5%*(i+j))	( l = i + j + k )
l.	GENERAL REQUIREMENTS										
	Mobilization and demobilization	1	lot								
	Demolition Works										
	IB 111										
	(removal of existing ecoboards, metal furring)	1	lot								
	IB 109										
	(removal of existing wall hung shelves, exhaust fans, sinks and counters, floor tiles, doors and windows, chalkboards)	1	lot								
	Equipment and tools	1	lot								
	Masonry covering of wall opening (IB 109)	0.48	sq.m.								
	Hauling out of debris (IB109)	1	lot								
	Safety provision	1	lot								
	SUBTOTAL I										
II.	LABORATORY TABLES (IB 109)										
	Working table 1 (3/4" thk plywood w/ white formica top, 4" metal handles, square-tongue type cabinet lockset, 2"x2" hinges and spring-loaded door catch)	3	assy.								
	Working table 2 (3/4" thk plywood w/ white formica top, 4" metal handles, square-tongue type cabinet lockset, 2"x2" hinges and spring-loaded door catch)	1	assy.								
	2-gang 3-pin universal outlet with AWG 12 electrical wire, 3.5 mm2 in pvc electrical moulding	24	set								
	SUBTOTAL II										
III.	DOORS AND WINDOWS (IB 109)										
	0.80 x 2.10 steel door	1	set								
	0.80 x 2.10 solid wooden door with 2"x6" jamb	2	set								
	3.00 x 1.20 sliding analok window	2	set								
	4.2 x 0.60 fixed analok window	2	set								
	Industrial strength lockset	3	set								
	SUBTOTAL III										
IV.	NEW CABINET (IB 109)										
	3/4" thick frame shelves and cabinet w/ 4" metal handles, square-tongue type cabinet lockset, 2"x2" hinges and spring- loaded door catch	1	assy.								
	1/4" thick clear glass with aluminum railings	2.01	sq.m.								
	SUBTOTAL IV										

Subject: BILL OF QUANTITIES

ITEM	DESCRIPTION	QUANTITY	UNIT		TOTAL MATERIAL COST		TOTAL LABOR COST	DIRECT COST	OVERHEAD, CONTINGENCIES, MISCELLANEOUS + CONTRACTOR'S PROFIT	5% VAT	TOTAL COST
(a)	(b)	(c)	(d)	(e)	(f=c*e)	(g)	( h = c * g )	( i = f + h )	(j)	(k=5% * (i+j))	( I = i + j + k )
V.	CHALKBOARD AND WHITEBOARD (IB 109)										
V.	Chalkboard And WHITEBOARD (IB 109)  Chalkboard	1	assy.								
	Whiteboard	1	assy.								
	SUBTOTAL V										
VI	FLOORING (IB 109)										
	Floor tiles (includes adhesives and fillers)	76	sq.m.								
	SUBTOTAL VI										
VII.	PLUMBING SYSTEM (IB 109)										
	Enamel-coated sink with flexible stainless gooseneck faucet, p-trap & flexible host	3	set								
	Kitchen counter w/ 3/4" thick cabinet, 4" metal handles, 2"x2" hinges and spring-loaded door catch	1	assy.								
	Kitchen counter tiles	4.32	sq.m.								
	SUBTOTAL VII										
VIII.	ELECTRICAL WORKS (IB 109)										
	Suspended 2×40 industrial housing aluminum reflector w/ 2-1200mm T8 led tube lights	8	set								
	12"x12" exhaust fan	4	set								
	2-gang 3-pin universal outlet with AWG 12 electrical wire, 3.5 mm2 in pvc electrical moulding	4	set								
	SUBTOTAL VIII										
IX	REPAIR OF LEAKS FROM CEILING (IB 111)										
	(Replace pvc sanitary elbow and repair sanitary pipes at ceiling, chip/cut 1/2"x1" triangular groove at edge of floor, clean and apply silicon sealant to cut groove at level 3 floor)										
	2" diam. 90 deg. elbow	1	pc.								
	Automotive silicon sealant (ProSil or equivalent)	6	pack								
	Marine Pioneer epoxy	1	can set		_		_				
	SUBTOTAL IX										
X	CLEANING, SEALING AND LUBRICATING OF ALL EXISTING WINDOWS (IB 111)										
	(Replace existing window glass putty with silicon sealant)										
	WD40	1	canister								
	Automotive silicon sealant (ProSeal or equivalent)	6	pack								
	SUBTOTAL X										

Subject: BILL OF QUANTITIES

1		1		1					1		
ITEM	DESCRIPTION	QUANTITY	UNIT	MATERIAL UNIT COST	TOTAL MATERIAL COST	LABOR UNIT COST	TOTAL LABOR COST	DIRECT COST	OVERHEAD, CONTINGENCIES, MISCELLANEOUS + CONTRACTOR'S PROFIT	5% VAT	TOTAL COST
(a)	(b)	(c)	(d)	(e)	(f=c*e)	(g)	( h = c * g )	( i = f + h )	(j)	(k = 5% * (i + j))	(l=i+j+k)
( )		( - )	( )	, , ,	( , , , ,	(3)	( ) 07	, ,		( ) // //	, , ,
XI	CARPENTRY WORKS										
	REPAIR OF CABINETS (IB 111)										
	0.53x0.70 1/4" thk. clear glass	8	pc.								
	0.63x0.85 1/4" thk. clear glass	6	pc.								
	0.63x0.87 1/4" thk. clear glass	4	pc.								
	3/4"x4'x8' plywood	1	pc.								
	4" cabinet handle	8	pc.								
	Magnetic cabinet door catch	4	pc.								
	2"x3" hinge	8	pc.								
	FABRICATION OF CABINETS (IB 107)										
	3/4"x4'x8' plywood	11	pc.								
	Cabinet handles	30	set								
	Concealed hinges	60	set								
	Flat enamel paint	3	gal.								
	Semi-gloss quick dry enamel (2 coats)	6	gal.								
	Paint thinner	2	gal.								
	3" paint brush	2	pc.								
	1'x1' sanding paper	10	pc.								
	Wood putty	1	gal.								
	Common wire nail	2	kg.								
	SUBTOTAL XI										
XII	REPLACEMENT OF LIGHT FIXTURES (IB 111)										
	2x40 LED tube industrial housing aluminum reflector	9	pc.								
	18W 1.2m T8 LED tube light	18	pc.								
	AWG 12 electrical wire, 3.5 mm2	1	roll								
	2.4m PVC electrical wire moulding	9	pc.								
	Electrical tape	3	roll								
	SUBTOTAL XII										
XIII	REPLACEMENT OF PLYWOOD AT CEILING (IB 111)										

Subject: BILL OF QUANTITIES

ITEM	DESCRIPTION	QUANTITY	UNIT	MATERIAL UNIT COST	TOTAL MATERIAL COST	LABOR UNIT COST	TOTAL LABOR COST	DIRECT COST	OVERHEAD, CONTINGENCIES, MISCELLANEOUS + CONTRACTOR'S PROFIT	5% VAT	TOTAL COST
(a)	(b)	(c)	(d)	(e)	(f=c*e)	(g)	( h = c * g )	( i = f + h )	(j)	(k = 5% * (i + j))	(I=i+j+k)
, ,	1/4"x4'x8' plywood	1	pc.	, ,	, ,		, , ,	, ,	3,		
	Common wire nail	1	kg.								
	SUBTOTAL XIII										
XIV	WATERPROOFING OF ROOFING (IB 111)										
	(Remove and clean roof surface of rust and paint flakes, apply silicon sealant on all nailings, holes and gaps at roofing, apply liquid asphalt on roofing, apply paint (3 coats))										
	Automotive silicon sealant (ProSeal or equivalent)	4	pack								
	Rubberized liquid asphalt	20	gal.								
	Roofing painting (3 coats)	200	sq.m.								
	SUBTOTAL XIV										
XV	REPLACEMENT OF CEILING INCLUDING PAINTING OF CEILING AND WALLS (IB107)										
	2"x2"x12' lumber	101	pc.								
	2"x3"x12' lumber	26	pc.								
	1/4"x4'x8' plywood	26	pc.								
	Flat latex paint	5	gal.								
	Flat enamel paint	4	gal.								
	Semi-gloss latex paint (2 coats)	10	gal.								
	Semi-gloss quick dry enamel (2 coats)	8	gal.								
	Paint thinner	3	gal.								
	Solignum	2	gal.								
	7" paint roller	2	pc.								
	1" paint brush	2	pc.								
	3" paint brush	2	pc.								
	Paint tray	2	pc.								
	1'x1' sanding paper	37	pc.								
	Wood putty	1	gal.								
	Masonry putty	1	gal.								
	Putty knife	2	pc.								
	Common wire nail	5	kg.								
	1" masking tape	1	roll								
	Miscellaneous	1	lot								
-											

Subject: BILL OF QUANTITIES

ITEM	DESCRIPTION	QUANTITY	UNIT	MATERIAL UNIT COST	TOTAL MATERIAL COST	LABOR UNIT COST	TOTAL LABOR COST	DIRECT COST	OVERHEAD, CONTINGENCIES, MISCELLANEOUS + CONTRACTOR'S PROFIT	5% VAT	TOTAL COST
(a)	(b)	(c)	(d)	(e)	(f=c*e)	(g)	(h=c*g)	(i=f+h)	(j)	(k = 5% * (i + j))	(I=i+j+k)
	SUBTOTAL XV										
											1
XVI	REPAIR OF LABORATORY TABLES (IB107)										
	REPLACEMENT OF COUNTERTOPS										
	60cm x 60cm black granite tiles	42	pc.								
	Plexibond	8	gal.								
	Portland cement	2	bag								
	Tile adhesive	4	bag								
	Tile grout	1	bag								
	Miscellaneous	1	lot								
	REPAIR AND REPAINTING OF LOCKERS										
	3/4"x4'x8' plywood	3	pc.								
	1" x 2" x 12' lumber	3	pc.								
	Flat enamel paint	3	gal.								
	Semi-gloss quick dry enamel (light brown) (2 coats)	6	gal.								
	Paint thinner	2	gal.								
	3" paint brush	2	pc.								
	1'x1' sanding paper	15	pc.								
	Wood putty	1	gal.								
	Wood glue	1	li.								
	Common wire nail	5	kg.								
	Miscellaneous	1	lot								
	REPAIR OF PLUMBING SYSTEM										
	Stainless double gooseneck faucet	3	set								
	Flexible stainless gooseneck faucet	2	set								
	Double water/gas outlet/nozzle	9	set								
	1/2" GI pipe	6	pc.								
	1/2" GI tee	8	pc.								
	1/2" GI elbow	16	pc.								
	Portland cement	3	bag								
	Crushed sand	0.25	cu.m.								
	Miscellaneous	1	lot								1

Subject: BILL OF QUANTITIES

ITEM	DESCRIPTION	QUANTITY	UNIT	MATERIAL UNIT COST	TOTAL MATERIAL COST	LABOR UNIT COST	TOTAL LABOR COST	DIRECT COST	OVERHEAD, CONTINGENCIES, MISCELLANEOUS + CONTRACTOR'S PROFIT	5% VAT	TOTAL COST
(a)	(b)	(c)	(d)	(e)	(f=c*e)	(g)	( h = c * g )	( i = f + h )	(j)	(k = 5% * (i + j))	(I=i+j+k)
-	INSTALLATION OF ELECTRICAL POWER OUTLETS	_									
	2-gang 3-pin universal outlet	8	set								
	AWG 12 electrical wire, 3.5 mm2	0.5	roll								
	PVC electrical wire moulding	8	pc.								
	1" screw	6	pc.								
	1" tox	6	pc.								
	Duct tape	2	roll								
	Miscellaneous	1	lot								
	SUBTOTAL XVI										
	INSTALLATION OF CONCRETE WORK TABLE (IB107)  60cm x 60cm black granite tiles	5	pc.								
	Portland cement	2	bag								
	Crushed sand	0.5	cu.m.								
		0.5	cu.m.								
	Crushed gravel 4" CHB	30									
		5	pc.								
	10mm diam. Rebar		pc.								
-	3/4"x4'x8' plywood	10	pc.								
	2"x2"x12" lumber	4	pc.								
	Cabinet handles	8	set								
	1"x2" hinge	8	set								
	Magnetic cabinet door stopper	8	set								
	Flat latex paint	3	gal.								
	Flat enamel paint	3	gal.								
ļ	Semi-gloss latex paint (2 coats)	5	gal.								
	Semi-gloss quick dry enamel (2 coats)	1	gal.								
	Paint thinner	2	gal.								
	Lacquer thinner	1	bottle								
	3" paint brush	2	pc.								
	1'x1' sanding paper	15	pc.								
	Wood putty	1	gal.								
	Common wire nail	2	kg.								

Subject: BILL OF QUANTITIES

ITEM	DESCRIPTION	QUANTITY	UNIT	MATERIAL UNIT COST	TOTAL MATERIAL COST	LABOR UNIT COST	TOTAL LABOR COST	DIRECT COST	OVERHEAD, CONTINGENCIES, MISCELLANEOUS + CONTRACTOR'S PROFIT	5% VAT	TOTAL COST
(a)	(b)	(c)	(d)	(e)	(f=c*e)	(g)	(h=c*g)	(i=f+h)	(j)	( k = 5% * ( i + j ) )	( I = i + j + k )
	SUBTOTAL XVII										
XVIII	REPAIR AND INSTALLATION OF ADDITIONAL EXHAUST FANS (IB107)										
	12" ceiling-mounted exhaust fans	8	pc.								
	15cm x 3m flexible aluminum tube duct hose	4	pc.								
	2" x 30m Aluminum foil tape	3	roll								
	Miscellaneous	1	lot								
	SUBTOTAL XVIII										
IX.	PAINTING WORKS										
	IB 109										
	Application of putty and painting of tables (3 coats quick dry enamel paint)	332.4	sq.m.								
	Application of putty and painting of wooden door (3 coats quick dry enamel paint)	7.3	sq.m.								
	Application of putty and painting of cabinet (3 coats quick dry enamel paint)	13.8	sq.m.								
	Application of putty and painting of wood (3 coats quick dry enamel paint)	3	sq.m.								
	Application of putty and painting of wood (3 coats quick dry enamel paint)	5.2	sq.m.								
	Application of putty and painting of concrete/masonry (3 coats latex paint)	139.8	sq.m.								
	IB 111										
	Wall painting (3 coats)	182.5	sq.m.								
	Ceiling painting (3 coats)	94	sq.m.								
	Door painting include plywood at ceiling (3 coats)	20.1	sq.m.								
	Window painting (2 coats)	12.8	sq.m.								
	Cabinet painting (3 coats)	30.1	sq.m.								

Subject: BILL OF QUANTITIES

ITEM	DESCRIPTION	QUANTITY	UNIT	MATERIAL UNIT COST	TOTAL MATERIAL COST	LABOR UNIT COST	TOTAL LABOR COST	DIRECT COST	OVERHEAD, CONTINGENCIES, MISCELLANEOUS + CONTRACTOR'S PROFIT	5% VAT	TOTAL COST
(a)	(b)	(c)	(d)	(e)	(f=c*e)	(g)	( h = c * g )	( i = f + h )	(j)	( k = 5% * ( i + j ) )	( l = i + j + k )
	SUBTOTAL IX										
	TOTAL										

NAME OF COMPANY:	
NAME OF BIDDER/ AUTHORIZED REPRESENTATIVE:	
SIGNATURE OF BIDDER:	