



**Malteser
International**
Order of Malta Worldwide Relief

SECTION VII

DRAWINGS

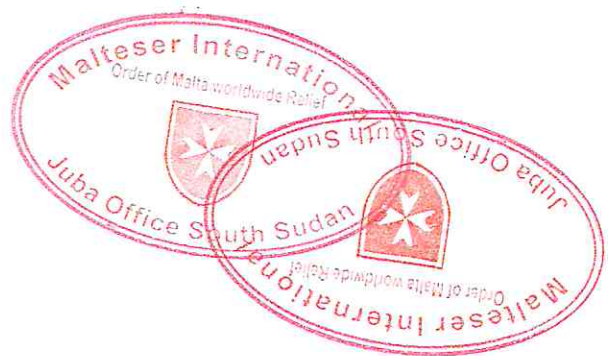
(Separate attachment)

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Köln VR 4726

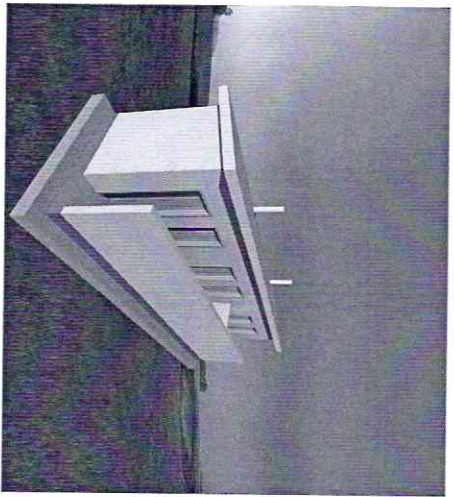
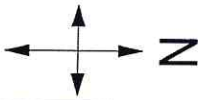
President:
Karl Prinz zu Löwenstein

Director:
Ingo Radtke

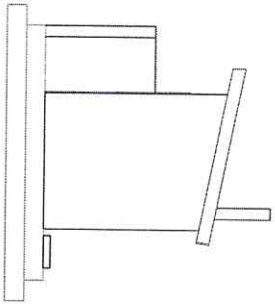
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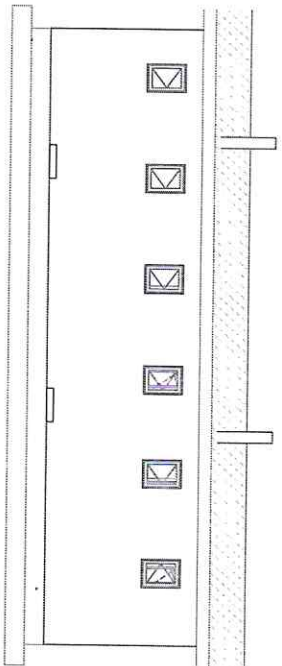
GROUND PLAN SCHOOL VIP LATRINE



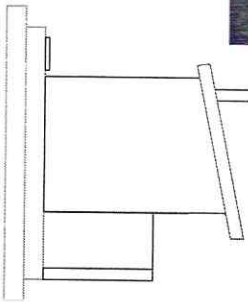
east elevation



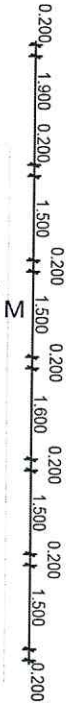
north elevation



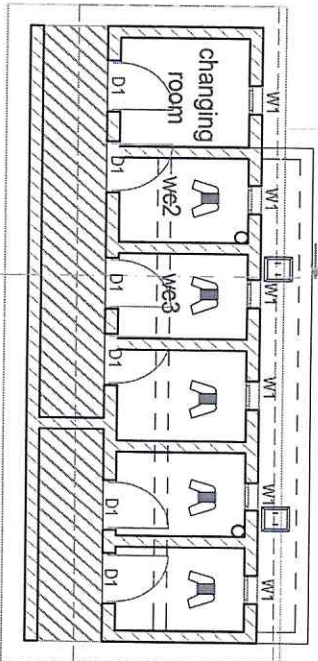
west elevation



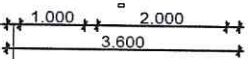
North Elevation



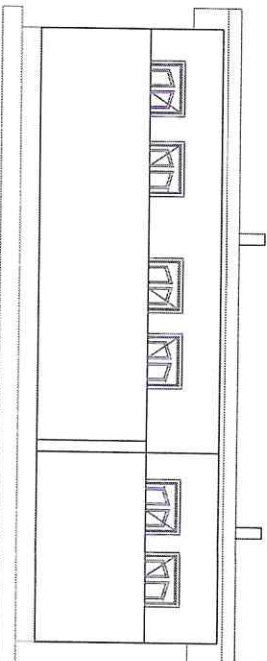
West Elevation



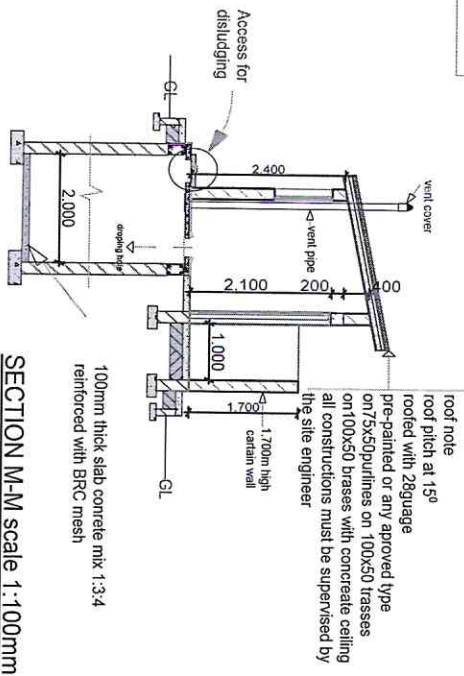
South Elevation



East Elevation



south elevation



OPENING SCHEDULE

NO-	DESC-	QTY	SIZE (CM)
1	D1	06	800X2.000
2	W1	06	500X600



Bill of Quantities
Construction of Dry Composting type VIP Latrines Giyada Modern Primary School in Kator Payam

SNo.	Item	Unit	Quantity	Unit rate (USD)	Amount (USD)
1.00	Contractors general obligation				
1.01	Preconstruction works and mobilization	Lump sum	1.00		-
	Sub-total 1				-
2.00	Site clearance and ground preparations				
2.01	Site clearance and disposal of all materials arising from clearing	Sq.m	103.60		-
	Sub-total 2				-
3.00	Sub-structure				
3.01	Excavations for the latrine pit and foundations	Cu.m	175.08		-
3.02	Concrete (1:3:4) to 100mm thick pit base / slab, foundations and splash aprone	Cu.m	12.40		-
3.03	A142 BRC mesh to base pit slab / base	Sq.m	41.04		-
3.04	200mm walling for the excavated pit and plinth walls in well burnt clay bricks bedded and jointed 1:4 cement sand mortar	Sq.m	142.00		-
3.05	15mm thick cement sand (1:4) plastering to pit wall including finishing top surface of the plaster in cement rendering with steel float.	Sq.m	133.60		-
3.06	Reinforced concrete (1:2:4) including formworks to slab and ground beams	Cu.m	6.83		-
3.07	High tensile steel bars (12mm and 8mm) including cutting bending tying, hooking and fixing.	kg	916.60		-
3.08	Imported murrum (gravel) well spread levelled and compacted .	Cu.m	4.90		-
	Sub-total 3				-
4.00	Super-structure				
4.01	200 mm wide bituminous felt dump proof course	m	45.00		-
4.02	200mm thick super-structure walls in standard blocks in cement sand (1:4) mortar: reinforced with hoop iron wall ties laid horizontally at 200mm spacing externally and internally	Sq.m	102.68		-
4.03	Reinforced concrete (1:2:4) to lintels including formworks.	Cu.m	0.72		-
4.04	High tensile steel bars (12mm and 8mm) including cutting bending tying, hooking and fixing.	kg	75.51		-
4.50	<i>Roofing</i> Supply all required items and construct roof as per the drawing (timber rafter 4"X2", timber purlins 3"X2", trimber facia boards 9"X1" including painting, prepainted corrugated roofing sheets guage 28) Roof plan area	Sqm	57.04		-
	Sub-total 4				-
5.00	Finishes				
5.01	Internal and external plastering 13mm thick with 1:4 cement sand mortar	Sq.m	206.50		-
5.02	Rendering concrete floor and aprone with cement.	Sq.m	48.90		-
5.03	<i>Painting</i> Prepare surface, apply primer coats and three coats of plastic emulsion paint to external and internal rendered surfaces.	Sq.m	206.50		-
	Sub-total 5				-
6.00	Fittings				
6.01	Metal doors including fabrication, installations, and painting	No	6.00		-
6.02	Metal windows including fabrication, installations, and painting	No	6.00		-
6.03	Supply all the required items and install vent pipe	m	14.00		-
	Sub-total 6				-
	Grand Total				-



Bill of Quantities
Construction of Dry Composting type VIP Latrines Atlabara East Primary School in Kator Payam

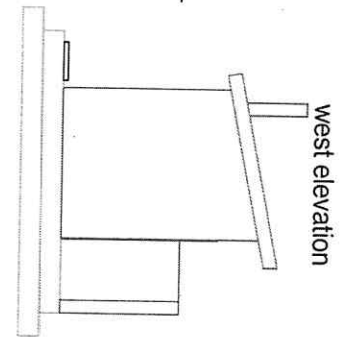
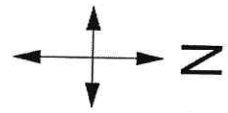
SNo.	Item	Unit	Quantity	Unit rate (USD)	Amount (USD)
1.00	Contractors general obligation				
1.01	Preconstruction works and mobilization	Lump sum	1.00		-
	Sub-total 1				-
2.00	Site clearance and ground preparations				
2.01	Site clearance and disposal of all materials arising from clearing	Sq.m	103.60		-
	Sub-total 2				-
3.00	Sub-structure				
3.01	Excavations for the latrine pit and foundations	Cu.m	175.08		-
3.02	Concrete (1:3:4) to 100mm thick pit base / slab, foundations and splash aprone	Cu.m	12.40		-
3.03	A142 BRC mesh to base pit slab / base	Sq.m	41.04		-
3.04	200mm walling for the excavated pit and plinth walls in well burnt clay bricks bedded and jointed 1:4 cement sand mortar	Sq.m	142.00		-
3.05	15mm thick cement sand (1:4) plastering to pit wall including finishing top surface of the plaster in cement rendering with steel float.	Sq.m	133.60		-
3.06	Reinforced concrete (1:2:4) including formworks to slab and ground beams	Cu.m	6.83		-
3.07	High tensile steel bars (12mm and 8mm) including cutting bending tying, hooking and fixing.	kg	916.60		-
3.08	Imported murrum (gravel) well spread levelled and compacted .	Cu.m	4.90		-
	Sub-total 3				-
4.00	Super-structure				
4.01	200 mm wide bituminous felt dump proof course	m	45.00		-
4.02	200mm thick super-structure walls in standard blocks in cement sand (1:4) mortar: reinforced with hoop iron wall ties laid horizontally at 200mm spacing externally and internally	Sq.m	102.68		-
4.03	Reinforced concrete (1:2:4) to lintels including formworks.	Cu.m	0.72		-
4.04	High tensile steel bars (12mm and 8mm) including cutting bending tying, hooking and fixing.	kg	75.51		-
4.50	<i>Roofing</i> Supply all required items and construct roof as per the drawing (timber rafter 4"X2", timber purlins 3"X2", trimber facia boards 9"X1" including painting, prepainted corrugated roofing sheets guage 28) Roof plan area	Sqm	57.04		-
	Sub-total 4				-
5.00	Finishes				
5.01	Internal and external plastering 13mm thick with 1:4 cement sand mortar	Sq.m	206.50		-
5.02	Rendering concrete floor and aprone with cement.	Sq.m	48.90		-
5.03	<i>Painting</i> Prepare surface, apply primer coats and three coats of plastic emulsion paint to external and internal rendered surfaces.	Sq.m	206.50		-
	Sub-total 5				-
6.00	Fittings				
6.01	Metal doors including fabrication, installations, and painting	No	6.00		-
6.02	Metal windows including fabrication, installations, and painting	No	6.00		-
6.03	Supply all the required items and install vent pipe	m	14.00		-
	Sub-total 6				-
	Grand Total				-



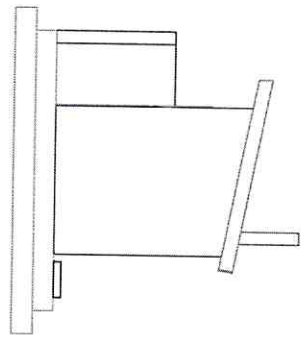
Bill of Quantities
Construction of Dry Composting type VIP Latrines Malakia Primary School in Kator Payam

SNo.	Item	Unit	Quantity	Unit rate (USD)	Amount (USD)
1.00	Contractors general obligation				
1.01	Preconstruction works and mobilization	Lump sum	1.00		-
	Sub-total 1				-
2.00	Site clearance and ground preparations				
2.01	Site clearance and disposal of all materials arising from clearing	Sq.m	103.60		-
	Sub-total 2				-
3.00	Sub-structure				
3.01	Excavations for the latrine pit and foundations	Cu.m	175.08		-
3.02	Concrete (1:3:4) to 100mm thick pit base / slab, foundations and splash aprone	Cu.m	12.40		-
3.03	A142 BRC mesh to base pit slab / base	Sq.m	41.04		-
3.04	200mm walling for the excavated pit and plinth walls in well burnt clay bricks bedded and jointed 1:4 cement sand mortar	Sq.m	142.00		-
3.05	15mm thick cement sand (1:4) plastering to pit wall including finishing top surface of the plaster in cement rendering with steel float.	Sq.m	133.60		-
3.06	Reinforced concrete (1:2:4) including formworks to slab and ground beams	Cu.m	6.83		-
3.07	High tensile steel bars (12mm and 8mm) including cutting bending tying, hooking and fixing.	kg	916.60		-
3.08	Imported murrum (gravel) well spread levelled and compacted .	Cu.m	4.90		-
	Sub-total 3				-
4.00	Super-structure				
4.01	200 mm wide bituminous felt dump proof course	m	45.00		-
4.02	200mm thick super-structure walls in standard blocks in cement sand (1:4) mortar: reinforced with hoop iron wall ties laid horizontally at 200mm spacing externally and internally	Sq.m	102.68		-
4.03	Reinforced concrete (1:2:4) to lintels including formworks.	Cu.m	0.72		-
4.04	High tensile steel bars (12mm and 8mm) including cutting bending tying, hooking and fixing.	kg	75.51		-
4.50	<i>Roofing</i> Supply all required items and construct roof as per the drawing (timber rafter 4"X2", timber purlins 3"X2", trimmer fascia boards 9"X1" including painting, prepainted corrugated roofing sheets guage 28) Roof plan area	Sqm	57.04		-
	Sub-total 4				-
5.00	Finishes				
5.01	Internal and external plastering 13mm thick with 1:4 cement sand mortar	Sq.m	206.50		-
5.02	Rendering concrete floor and aprone with cement.	Sq.m	48.90		-
5.03	<i>Painting</i> Prepare surface, apply primer coats and three coats of plastic emulsion paint to external and internal rendered surfaces.	Sq.m	206.50		-
	Sub-total 5				-
6.00	Fittings				
6.01	Metal doors including fabrication, installations, and painting	No	6.00		-
6.02	Metal windows including fabrication, installations, and painting	No	6.00		-
6.03	Supply all the required items and install vent pipe	m	14.00		-
	Sub-total 6				-
	Grand Total				-



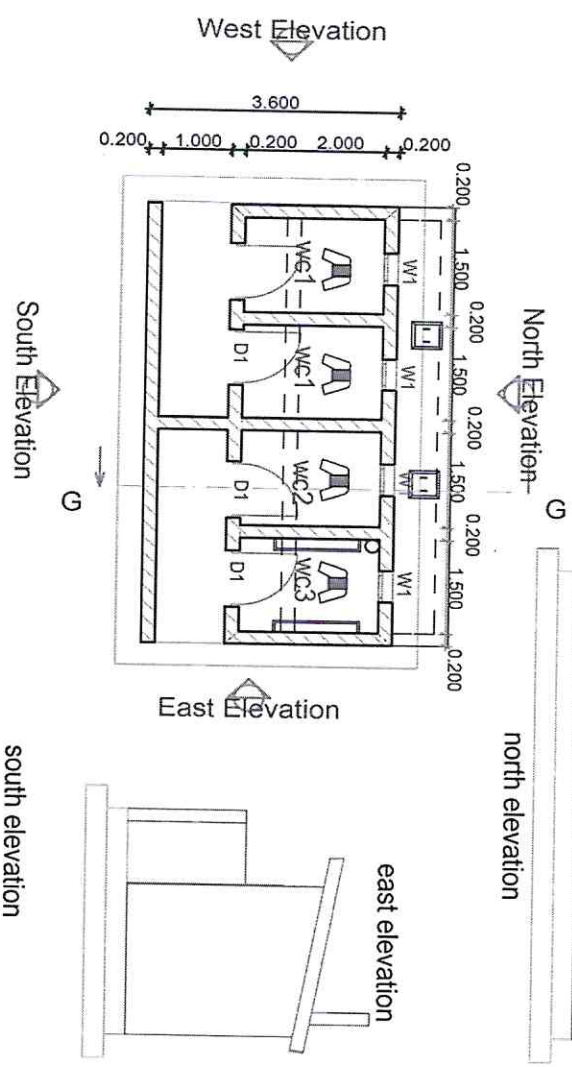


west elevation



east elevation

GROUND PLAN HEALTH UNIT

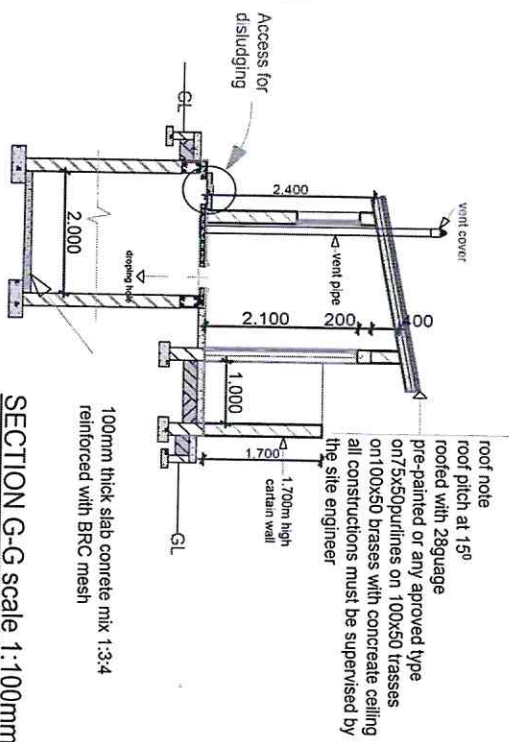
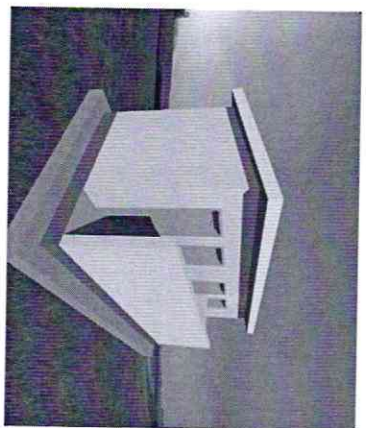


North Elevation

South Elevation

north elevation

south elevation



SECTION G-G scale 1:100mm

OPENING SCHEDULE

NO-	DESC-	QTY	SIZE (CM)
1	D1	04	800X2.000
2	W1	04	500X600



Bills of Quantities
Construction of Dry Composting type VIP Latrine at Khor Wolliang PHCC in Kator Payam

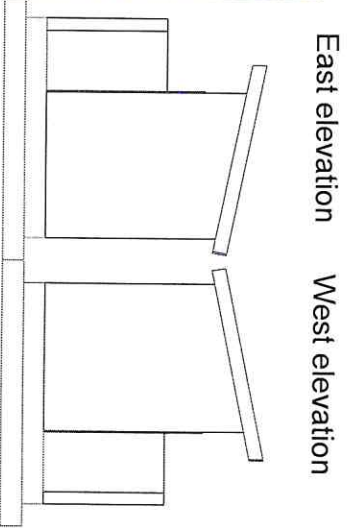
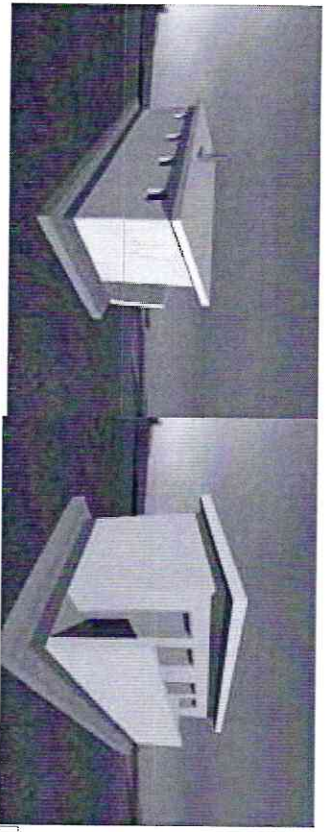
SNo.	Item	Unit	Quantity	Unit rate (USD)	Amount (USD)
1.00	Contractor's general obligation				
1.01	Preconstruction works and mobilization	Lump sum	1.00		
	Sub-total 1				
2.00	Site clearance and ground preparations				
2.01	Site clearance and disposal of all materials arising from clearing	Sq.m	83.60		
	Sub-total 2				
3.00	Sub-structure				
3.01	Excavations for the latrine pit and foundations	Cu.m	81.50		
3.02	Concrete (1:3:4) to 100mm thick pit base / slab, foundations and splash aprone	Cu.m	8.40		
3.03	A142 BRC mesh to base pit slab / base	Sq.m	18.24		
3.04	200mm walling for the excavated pit and plinth walls in well burnt clay bricks bedded and jointed 1:4 cement sand mortar	Sq.m	92.50		
3.05	15mm thick cement sand (1:4) plastering to pit wall including finishing top surface of the plaster in cement rendering with steel float.	Sq.m	85.82		
3.06	Reinforced concrete (1:2:4) including formworks to slab and ground beams	Cu.m	3.50		
3.07	High tensile steel bars (12mm and 8mm) including cutting bending tying, hooking and fixing.	kg	420.00		
3.08	Imported murrum (gravel) well spread levelled and compacted .	Cu.m	5.72		
	Sub-total 3				
4.00	Super-structure				
4.01	200 mm wide bituminous felt dump proof course	m	30.00		
4.02	200mm thick super-structure walls in standard blocks in cement sand (1:4) mortar: reinforced with hoop iron wall ties laid horizontally at 200mm spacing externally and internally	Sq.m	70.40		
4.03	Reinforced concrete (1:2:4) to lintels including formworks.	Cu.m	0.39		
4.04	High tensile steel bars (12mm and 8mm) including cutting bending tying, hooking and fixing.	kg	45.00		
4.50	<i>Roofing</i> Supply all required items and construct roof as per the drawing (timber rafter 4"X2", timber purlins 3"X2", trimber fascia boards 9"X1" including painting, prepainted corrugated roofing sheets guage 28) Roof plan area	Sqm	34.00		
	Sub-total 4				
5.00	Finishes				
5.01	Internal and external plastering 13mm thick with 1:4 cement sand mortar	Sq.m	141.00		
5.02	Rendering concrete floor and aprone with cement.	Sq.m	26.40		
5.03	<i>Painting</i> Prepare surface, apply primer coats and three coats of plastic emulsion paint to external and internal rendered surfaces.	Sq.m	104.00		
5.04	Tile works (Floor and Wall)	Sq.m	51.20		
	Sub-total 5				
6.00	Fittings				
6.01	Metal doors including fabrication, installations, and painting	No	4.00		
6.02	Metal windows including fabrication, installations, and painting	No	4.00		
6.03	Supply all the required items and install vent pipe	m	14.00		
6.04	Supply all the required items and install wash hand basin including all its accessories	No	1.00		
6.05	Supply and install 1.5 inche dai galvanised circular hollow section hand rails to the disabled section as shown in the drawing	M	4.00		
6.06	Supply padded direct drop arm to the disable section	No	1.00		
	Sub-total 6				
	Grand Total				



Bills of Quantities
Construction of Dry Composting type VIP Latrine at Lologo 1 PHCC in Kator Payam

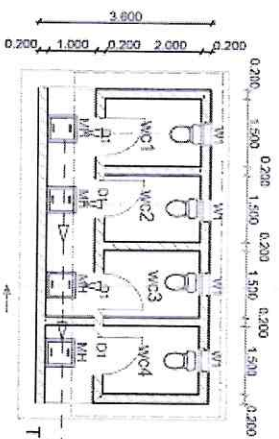
SNo.	Item	Unit	Quantity	Unit rate (USD)	Amount (USD)
1.00	Contractor's general obligation				
1.01	Preconstruction works and mobilization	Lump sum	1.00		
	Sub-total 1				
2.00	Site clearance and ground preparations				
2.01	Site clearance and disposal of all materials arising from clearing	Sq.m	83.60		
	Sub-total 2				
3.00	Sub-structure				
3.01	Excavations for the latrine pit and foundations	Cu.m	81.50		
3.02	Concrete (1:3:4) to 100mm thick pit base / slab, foundations and splash aprone	Cu.m	8.40		
3.03	A142 BRC mesh to base pit slab / base	Sq.m	18.24		
3.04	200mm walling for the excavated pit and plinth walls in well burnt clay bricks bedded and jointed 1:4 cement sand mortar	Sq.m	92.50		
3.05	15mm thick cement sand (1:4) plastering to pit wall including finishing top surface of the plaster in cement rendering with steel float.	Sq.m	85.82		
3.06	Reinforced concrete (1:2:4) including formworks to slab and ground beams	Cu.m	3.50		
3.07	High tensile steel bars (12mm and 8mm) including cutting bending tying, hooking and fixing.	kg	420.00		
3.08	Imported murrum (gravel) well spread levelled and compacted .	Cu.m	5.72		
	Sub-total 3				
4.00	Super-structure				
4.01	200 mm wide bituminous felt dump proof course	m	30.00		
4.02	200mm thick super-structure walls in standard blocks in cement sand (1:4) mortar: reinforced with hoop iron wall ties laid horizontally at 200mm spacing externally and internally	Sq.m	70.40		
4.03	Reinforced concrete (1:2:4) to lintels including formworks.	Cu.m	0.39		
4.04	High tensile steel bars (12mm and 8mm) including cutting bending tying, hooking and fixing.	kg	45.00		
4.50	<i>Roofing</i> Supply all required items and construct roof as per the drawing (timber rafter 4"X2", timber purlins 3"X2", trimber fascia boards 9"X1" including painting, prepainted corrugated roofing sheets guage 28) Roof plan area	Sqm	34.00		
	Sub-total 4				
5.00	Finishes				
5.01	Internal and external plastering 13mm thick with 1:4 cement sand mortar	Sq.m	141.00		
5.02	Rendering concrete floor and aprone with cement.	Sq.m	26.40		
5.03	<i>Painting</i> Prepare surface, apply primer coats and three coats of plastic emulsion paint to external and internal rendered surfaces.	Sq.m	104.00		
5.04	Tile works (Floor and Wall)	Sq.m	51.20		
	Sub-total 5				
6.00	Fittings				
6.01	Metal doors including fabrication, installations, and painting	No	4.00		
6.02	Metal windows including fabrication, installations, and painting	No	4.00		
6.03	Supply all the required items and install vent pipe	m	14.00		
6.04	Supply all the required items and install wash hand basin including all its accessories	No	1.00		
6.05	Supply and install 1.5 inche dai galvanised circular hollow section hand rails to the diabled section as shown in the drawing	M	4.00		
6.06	Supply padded direct drop arm to the disable section	No	1.00		
	Sub-total 6				
	Grand Total				



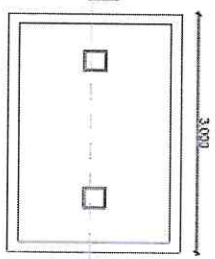


GROUND PLAN FOR PUBLIC PLACES

North Elevation
N



South Elevation
S

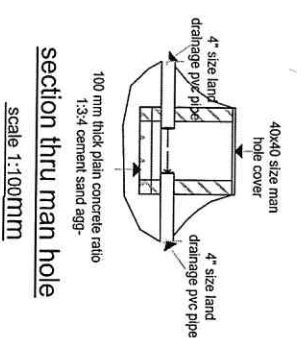
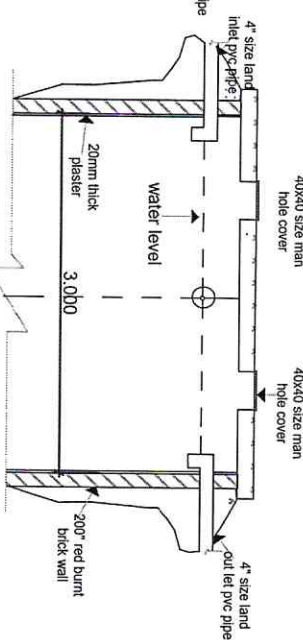
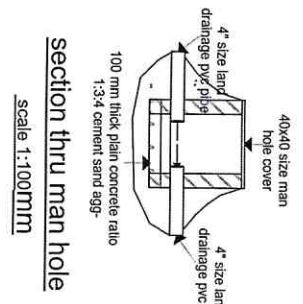


a plan of the septic tank

north elevation



north elevation



OPENING SCHEDULE

NO-	DESC-	QTY	SIZE (CM)
1	D1	04	800X2.000
2	W1	04	500X600



Bill of Quantities
Construction of Dry Composting type VIP Latrines at Farm Commerical Market in Rajaf Payam

SNo.	Item	Unit	Quantity	Unit rate (USD)	Amount (USD)
1.00	Contractors general obligation				
1.01	Preconstruction works and mobilization	Lump sum	1.00		
	Sub-total 1				
2.00	Site clearence and ground preparations				
2.01	Site clearence and disposal of all materials arising from clearing	Sq.m	120.00		
	Sub-total 2				
3.00	Sub-structure				
3.01	Excavations for the and septic tank pit and strip foundations	Cu.m	80.40		
3.02	Concrete mix with water proof (1:3:4) to 100mm thick pit base / slab, foundations and splash aprone	Cu.m	16.40		
3.03	A142 BRC mesh to base pit slab of the septic tanks	Sq.m	14.30		
3.04	200mm walling for the septic tank, manholes and strip foundation in well burnt clay bricks bedded and jointed 1:4 cement sand mortar	Sq.m	90.20		
3.05	20mm thick cement sand (1:4) mix with water proof cement plastering to the interior wall of the septic tank and the manholes including finishing top surface of the plaster in cement rendering with steel float.	Sq.m	63.00		
3.06	Reinforced concrete (1:2:4) including formworks to slab and ground beams for both septic tank and strip foundation	Cu.m	11.62		
3.07	High tensile steel bars (12mm and 8mm) including cutting bending tying, hooking and fixing.	kg	626.05		
3.08	Imported murrum (gravel) well spread levelled and compacted .	Cu.m	8.75		
	Sub-total 3				
4.00	Super-structure				
4.01	200 mm wide bituminous felt dump proof course	m	30.00		
4.02	200mm thick super-structure walls in standard blocks in cement sand (1:4) mortar: reinforced with hoop iron wall ties laid horizontally at 200mm spacing externally and internally	Sq.m	70.40		
4.03	Reinforced concrete (1:2:4) to lintels including formworks.	Cu.m	0.39		
4.04	High tensile steel bars (12mm and 8mm) including cutting bending tying, hooking and fixing.	kg	45.00		
4.05	<i>Roofing</i> Supply all required items and construct roof as per the drawing (hard timber rafter 4"X2", purlins 3"X2", trimber facia boards 9"X1" including painting, prepainted corrugated roofing sheets guage 28) Roof plan area	Sqm	34.00		
	Sub-total 4				
5.00	Finishes				
5.01	Internal and external plastering 13mm thick with 1:4 cement sand mortar	Sq.m	141.00		
5.02	Rendering concrete floor and aprone with cement.	Sq.m	26.40		
5.03	<i>Painting</i> Prepare surface, apply primer coats and three coats of plastic emulsion paint to external and internal rendered surfaces.	Sq.m	206.50		
	Sub-total 5				
6.00	Fittings and supplies				
6.01	Metal doors including fabrication, installations, and painting	No	4.00		
6.02	Metal windows including fabrication, installations, and painting	No	4.00		
6.03	Supply and installation of toilet bowl(480-500mm) and flip -up grap bar(400-450mm)	No	4.00		
6.04	Supply all the required items and install wash hand basin including all its accessories	No	2.00		
6.05	Supply and fixing 4 and 3 inches PVC pipe and all of its accessories and connect to the various manhole then control chamber to the septic tank as shown in the drawing	M	40.00		
6.06	Supply padded direct drop arm to the disable section	No	1.00		
6.07	Supply, fixing and installation of water container of 3000 liters up lifted by metal angle bar of 70*70mm mix with 40*40mm well welded of 4 meters hieght and connected to all the sanitation facilities using pvc pipe of 3 inches for outlet from the water container	Lump sum	1.00		
	Sub-total 6				
	Grand Total				



Bill of Quantities
Construction of Dry Composting type VIP Latrines at Gumbo Main Market in Rajaf Payam

SNo.	Item	Unit	Quantity	Unit rate (USD)	Amount (USD)
1.00	Contractors general obligation				
1.01	Preconstruction works and mobilization	Lump sum	1.00		
	Sub-total 1				
2.00	Site clearence and ground preparations				
2.01	Site clearence and disposal of all materials arising from clearing	Sq.m	120.00		
	Sub-total 2				
3.00	Sub-structure				
3.01	Excavations for the and septic tank pit and strip foundations	Cu.m	80.40		
3.02	Concrete mix with water proof (1:3:4) to 100mm thick pit base / slab, foundations and splash aprone	Cu.m	16.40		
3.03	A142 BRC mesh to base pit slab of the septic tanks	Sq.m	14.30		
3.04	200mm walling for the septic tank, manholes and strip foundation in well burnt clay bricks bedded and jointed 1:4 cement sand mortar	Sq.m	90.20		
3.05	20mm thick cement sand (1:4) mix with water proof cement plastering to the interior wall of the septic tank and the manholes including finishing top surface of the plaster in cement rendering with steel float.	Sq.m	63.00		
3.06	Reinforced concrete (1:2:4) including formworks to slab and ground beams for both septic tank and strip foundation	Cu.m	11.62		
3.07	High tensile steel bars (12mm and 8mm) including cutting bending tying, hooking and fixing.	kg	626.05		
3.08	Imported murrum (gravel) well spread levelled and compacted .	Cu.m	8.75		
	Sub-total 3				
4.00	Super-structure				
4.01	200 mm wide bituminous felt dump proof course	m	30.00		
4.02	200mm thick super-structure walls in standard blocks in cement sand (1:4) mortar: reinforced with hoop iron wall ties laid horizontally at 200mm spacing externally and internally	Sq.m	70.40		
4.03	Reinforced concrete (1:2:4) to lintels including formworks.	Cu.m	0.39		
4.04	High tensile steel bars (12mm and 8mm) including cutting bending tying, hooking and fixing.	kg	45.00		
4.05	<i>Roofing</i> Supply all required items and construct roof as per the drawing (hard timber rafter 4"X2", purlins 3"X2", trimber fascia boards 9"X1" including painting, prepainted corrugated roofing sheets guage 28) Roof plan area	Sqm	34.00		
	Sub-total 4				
5.00	Finishes				
5.01	Internal and external plastering 13mm thick with 1:4 cement sand mortar	Sq.m	141.00		
5.02	Rendering concrete floor and aprone with cement.	Sq.m	26.40		
5.03	<i>Painting</i> Prepare surface, apply primer coats and three coats of plastic emulsion paint to external and internal rendered surfaces.	Sq.m	206.50		
	Sub-total 5				
6.00	Fittings and supplies				
6.01	Metal doors including fabrication, installations, and painting	No	4.00		
6.02	Metal windows including fabrication, installations, and painting	No	4.00		
6.03	Supply and installation of toilet bowl(480-500mm) and flip -up grap bar(400-450mm)	No	4.00		
6.04	Supply all the required items and install wash hand basin including all its accessories	No	2.00		
6.05	Supply and fixing 4 and 3 inches PVC pipe and all of its accessories and connect to the various manhole then control chamber to the septic tank as shown in the drawing	M	40.00		
6.06	Supply padded direct drop arm to the disable section	No	1.00		
6.07	Supply, fixing and installation of water container of 3000 liters up lifted by metal angle bar of 70*70mm mix with 40*40mm well welded of 4 meters hieght and connected to all the sanitation facilities using pvc pipe of 3 inches for outlet from the water container	Lump sum	1.00		
	Sub-total 6				
	Grand Total				



Bill of Quantities
Construction of Dry Composting type VIP Latrines at Khor woliang Market in Kator Payam

SNo.	Item	Unit	Quantity	Unit rate (USD)	Amount (USD)
1.00	Contractors general obligation				
1.01	Preconstruction works and mobilization	Lump sum	1.00		
	Sub-total 1				
2.00	Site clearance and ground preparations				
2.01	Site clearance and disposal of all materials arising from clearing	Sq.m	120.00		
	Sub-total 2				
3.00	Sub-structure				
3.01	Excavations for the and septic tank pit and strip foundations	Cu.m	80.40		
3.02	Concrete mix with water proof (1:3:4) to 100mm thick pit base / slab, foundations and splash aprone	Cu.m	16.40		
3.03	A142 BRC mesh to base pit slab of the septic tanks	Sq.m	14.30		
3.04	200mm walling for the septic tank, manholes and strip foundation in well burnt clay bricks bedded and jointed 1:4 cement sand mortar	Sq.m	90.20		
3.05	20mm thick cement sand (1:4) mix with water proof cement plastering to the interior wall of the septic tank and the manholes including finishing top surface of the plaster in cement rendering with steel float.	Sq.m	63.00		
3.06	Reinforced concrete (1:2:4) including formworks to slab and ground beams for both septic tank and strip foundation	Cu.m	11.62		
3.07	High tensile steel bars (12mm and 8mm) including cutting bending tying, hooking and fixing.	kg	626.05		
3.08	Imported murrum (gravel) well spread levelled and compacted .	Cu.m	8.75		
	Sub-total 3				
4.00	Super-structure				
4.01	200 mm wide bituminous felt dump proof course	m	30.00		
4.02	200mm thick super-structure walls in standard blocks in cement sand (1:4) mortar: reinforced with hoop iron wall ties laid horizontally at 200mm spacing externally and internally	Sq.m	70.40		
4.03	Reinforced concrete (1:2:4) to lintels including formworks.	Cu.m	0.39		
4.04	High tensile steel bars (12mm and 8mm) including cutting bending tying, hooking and fixing.	kg	45.00		
4.05	<i>Roofing</i> Supply all required items and construct roof as per the drawing (hard timber rafter 4"x2", purlins 3"x2", trimber fascia boards 9"x1" including painting, prepainted corrugated roofing sheets gauge 28) Roof plan area	Sqm	34.00		
	Sub-total 4				
5.00	Finishes				
5.01	Internal and external plastering 13mm thick with 1:4 cement sand mortar	Sq.m	141.00		
5.02	Rendering concrete floor and aprone with cement.	Sq.m	26.40		
5.03	<i>Painting</i> Prepare surface, apply primer coats and three coats of plastic emulsion paint to external and internal rendered surfaces.	Sq.m	206.50		
	Sub-total 5				
6.00	Fittings and supplies				
6.01	Metal doors including fabrication, installations, and painting	No	4.00		
6.02	Metal windows including fabrication, installations, and painting	No	4.00		
6.03	Supply and installation of toilet bowl(480-500mm) and flip -up grap bar(400-450mm)	No	4.00		
6.04	Supply all the required items and install wash hand basin including all its accessories	No	2.00		
6.05	Supply and fixing 4 and 3 inches PVC pipe and all of its accessories and connect to the various manhole then control chamber to the septic tank as shown in the drawing	M	40.00		
6.06	Supply padded direct drop arm to the disable section	No	1.00		
6.07	Supply, fixing and installation of water container of 3000 liters up lifted by metal angle bar of 70*70mm mix with 40*40mm well welded of 4 meters height and connected to all the sanitation facilities using pvc pipe of 3 inches for outlet from the water container	Lump sum	1.00		
	Sub-total 6				
	Grand Total				



Bill of Quantities
Construction of Dry Composting type VIP Latrines at Malakia Market in Kator Payam

SNo.	Item	Unit	Quantity	Unit rate (USD)	Amount (USD)
1.00	Contractors general obligation				
1.01	Preconstruction works and mobilization	Lump sum	1.00		
	Sub-total 1				
2.00	Site clearance and ground preparations				
2.01	Site clearance and disposal of all materials arising from clearing	Sq.m	120.00		
	Sub-total 2				
3.00	Sub-structure				
3.01	Excavations for the and septic tank pit and strip foundations	Cu.m	80.40		
3.02	Concrete mix with water proof (1:3:4) to 100mm thick pit base / slab, foundations and splash aprone	Cu.m	16.40		
3.03	A142 BRC mesh to base pit slab of the septic tanks	Sq.m	14.30		
3.04	200mm walling for the septic tank, manholes and strip foundation in well burnt clay bricks bedded and jointed 1:4 cement sand mortar	Sq.m	90.20		
3.05	20mm thick cement sand (1:4) mix with water proof cement plastering to the interior wall of the septic tank and the manholes including finishing top surface of the plaster in cement rendering with steel float.	Sq.m	63.00		
3.06	Reinforced concrete (1:2:4) including formworks to slab and ground beams for both septic tank and strip foundation	Cu.m	11.62		
3.07	High tensile steel bars (12mm and 8mm) including cutting bending tying, hooking and fixing.	kg	626.05		
3.08	Imported murrum (gravel) well spread levelled and compacted .	Cu.m	8.75		
	Sub-total 3				
4.00	Super-structure				
4.01	200 mm wide bituminous felt dump proof course	m	30.00		
4.02	200mm thick super-structure walls in standard blocks in cement sand (1:4) mortar: reinforced with hoop iron wall ties laid horizontally at 200mm spacing externally and internally	Sq.m	70.40		
4.03	Reinforced concrete (1:2:4) to lintels including formworks.	Cu.m	0.39		
4.04	High tensile steel bars (12mm and 8mm) including cutting bending tying, hooking and fixing.	kg	45.00		
4.05	<i>Roofing</i> Supply all required items and construct roof as per the drawing (hard timber rafter 4"X2", purlins 3"X2", trimmer fascia boards 9"X1" including painting, prepainted corrugated roofing sheets guage 28) Roof plan area	Sqm	34.00		
	Sub-total 4				
5.00	Finishes				
5.01	Internal and external plastering 13mm thick with 1:4 cement sand mortar	Sq.m	141.00		
5.02	Rendering concrete floor and aprone with cement.	Sq.m	26.40		
5.03	<i>Painting</i> Prepare surface, apply primer coats and three coats of plastic emulsion paint to external and internal rendered surfaces.	Sq.m	206.50		
	Sub-total 5				
6.00	Fittings and supplies				
6.01	Metal doors including fabrication, installations, and painting	No	4.00		
6.02	Metal windows including fabrication, installations, and painting	No	4.00		
6.03	Supply and installation of toilet bowl(480-500mm) and flip -up grap bar(400-450mm)	No	4.00		
6.04	Supply all the required items and install wash hand basin including all its accessories	No	2.00		
6.05	Supply and fixing 4 and 3 inches PVC pipe and all of its accessories and connect to the various manhole then control chamber to the septic tank as shown in the drawing	M	40.00		
6.06	Supply padded direct drop arm to the disable section	No	1.00		
6.07	Supply, fixing and installation of water container of 3000 liters up lifted by metal angle bar of 70*70mm mix with 40*40mm well welded of 4 meters hieght and connected to all the sanitation facilities using pvc pipe of 3 inches for outlet from the water container	Lump sum	1.00		
	Sub-total 6				
	Grand Total				

