


Vanuatu Department of Water Resources

DFAT TC Pam Recovery Program

Bill of Quantities for DGF Standard Drawings

THE BELOW STANDARD BILL OF QUANTITIES PROVIDES A LIST OF MATERIALS AND QUANTITIES REQUIRED FOR CONSTRUCTION OF ONE (1) UNIT OF THE INFRASTRUCTURE IN THE ENCLOSED DRAWING SET. AT ALL TIMES IT IS THE RESPONSIBILITY OF THE ENGINEER, ESTIMATOR OR CONTRACTOR TO CONFIRM THE BELOW MATERIALS BASED ON SPECIFIC USE CASES, MATERIAL AVAILABILITY, PIPE DIAMETERS LOCAL CONSTRAINTS ETC. THE DEPARTMENT OF WATER RESOURCES ACCEPTS NO LIABILITY FOR INCORRECTLY SPECIFIED MATERIALS

MATERIAL	ITEM	DESCRIPTION	UNIT	1.03	1.04	1.05	1.06	1.07	1.08	1.09
				Tapstand	Washout Valve Chamber	Air Valve Post	1kL Break Tank	6kL Dist Tank	10kL Dist Tank	Tank Tie-Downs
Aggregate	Coarse Sand	Coarse White Sand	kg	76	307	24	230	730	910	-
Aggregate	Fine Sand	Fine White Sand	kg	18	-	-	-	-	-	-
Aggregate	Loose Stone	Loose Stone/Coral 20-50mm	kg	768	77	-	-	-	-	-
Aggregate	Stone/Coral Aggregate	Stone/Coral Aggregate	kg	194	195	62	460	1460	1820	-
Brass	Ball Valve	Brass Ball Valve 1-1/2"	each	-	2	-	-	-	-	-
Brass	Bush	Brass Bush 1-1/4" x 1"	each	-	-	-	1	-	-	-
Brass	Bush	Brass Bush 1-1/2" x 1"	each	-	-	-	-	1	1	-
Brass	Float Valve	Brass Float Valve 1" Male w/ Lever and Float	each	-	-	-	1	1	1	-
Brass	Tank Flange	Brass Tank Flange 1-1/2" M x 1-1/4" F	each	-	-	-	2	-	-	-
Brass	Tank Flange	Brass Tank Flange 3/4" M x 1/2" F	each	-	-	-	1	1	1	-
Brass	Tank Flange	Brass Tank Flange 2" M x 1-1/2" F	each	-	-	-	-	2	2	-
Brass	Tap	Brass Tap 3/4" (Threaded Outlet)	each	1	-	-	-	-	-	-
Cement	Bag	Portland GP Cement Bag 40kg	each	2	4	1	4	11	14	-
Concrete	Blocks	Concrete Construction Blocks 390 x 190 x 190mm	each	-	18	-	-	-	-	-
Galvanised	90 Elbow	Galvanised Iron Elbow 90D 3/4"	each	2	-	1	-	-	-	-
Galvanised	D-Shackle	Galvanised D-Shackle 10mm	each	-	-	-	-	-	-	4
Galvanised	Edge Softener	Galvanised Fabricated Edge Softener 0.8mm	each	-	-	-	-	-	-	4
Galvanised	Nipple	Galvanised Iron Nipple 1-1/2"	each	-	4	-	-	-	-	-
Galvanised	Pipe	Galvanised Pipe SCH40 3/4" x 200mm Threaded Both Ends M-M	0.3m length	2	-	1	-	-	-	-
Galvanised	Pipe	Galvanised Pipe SCH40 3/4" x 1300mm Threaded Both Ends M-M	1.3m length	1	-	1	-	-	-	-
Galvanised	Pipe	Galvanised Pipe SCH40 2"x 500mm Threaded Both Ends M-M	0.5m length	-	3	-	-	-	-	-
Galvanised	Reducing Socket	Galvanised Iron Reducing Socket 1" x 3/4"	each	-	-	1	-	-	-	-
Galvanised	Rope	Galvanised Wire Rope 1x19 Strand 3mm PVC Coated	m	-	-	-	-	-	-	16
Galvanised	Rope Clips	Galvanised Wire Rope Clips 4mm	each	-	-	-	-	-	-	24
Galvanised	Rope Thimbles	Galvanised Wire Rope Thimble 4mm	each	-	-	-	-	-	-	8
Galvanised	Socket	Galvanised Iron Socket 3/4"	each	1	-	-	-	-	-	-
Galvanised	Tee	Galvanised Iron Tee 1-1/2"	each	-	1	-	-	-	-	-
Galvanised	U-Bolt	Galvanised Double U-Bolt with Plate and Nut Assembly 50mm (Zenith WLA1050 or equivalent)	each	-	-	-	-	-	-	4
Galvanised	Union	Galvanised Iron Union 1-1/2"	each	-	2	-	-	-	-	-
Nylon	Air Valve	Nylon Combination Air Valve 1"	each	-	-	1	-	-	-	-
Poly	Ball Valve	Polyethylene Ball Valve 3/4" F-F	each	-	-	1	-	-	-	-
Poly	End Cap	Polypropylene End Cap 3/4"	each	-	-	-	1	1	1	-
Poly	F Adapter	Polyethylene Female Adapter 25mm x 3/4"	each	1	-	-	-	-	-	-
Poly	F Adapter	Polyethylene Female Adapter 50mm x 1-1/2"	each	-	3	-	2	-	-	-
Poly	F Adapter	Polyethylene Female Adapter 50mm x 2"	each	-	-	-	-	2	2	-
Poly	M Adapter	Polyethylene Male Adapter 25mm x 3/4"	each	-	-	1	-	-	-	-
Poly	M Elbow Adapter	Polyethylene Male Elbow Adapter 25mm x 1"	each	-	-	1	-	-	-	-
Poly	Pipe	Polyethylene Pipe Metric PN10 PE100 25 mm	m	-	-	0.3	-	-	-	-
Poly	Tank	Polyethylene Tank 10,000L	each	-	-	-	-	-	1	-
Poly	Tank	Polyethylene Tank 6,000L	each	-	-	-	-	1	-	-
Poly	Tank	Polyethylene Tank 1,100L	each	-	-	-	1	-	-	-
Poly	Tap Connector	Polypropelyne Tap Connector/Adapter 20mm (match tap outlet size)	each	1	-	-	-	-	-	-
Poly	Tapping Saddle	Polyethylene Tapping Saddle 50mm x 1"	each	-	-	1	-	-	-	-
PTFE	Thread Tape	Thread Tape 12mm x 10m White	each	1	1	1	-	-	-	-
PVC	90 Elbow	PVC DWV Plain Elbow 80mm 90D	each	1	-	-	5	5	5	-
PVC	Ball Valve	PVC Pressure Ball Valve 1-1/2" F-F Threaded	each	-	-	-	1	-	-	-
PVC	Ball Valve	PVC Pressure Ball Valve 2" F-F Threaded	each	-	-	-	-	1	1	-
PVC	Elbow 90	PVC Pressure Plain Elbow 40mm 90D	each	-	-	-	5	-	-	-
PVC	Elbow 90	PVC Pressure Threaded Elbow 1-1/2" F-F	each	-	-	-	1	-	-	-
PVC	Elbow 90	PVC Pressure Plain Elbow 50mm 90D	each	-	-	-	-	5	5	-
PVC	Elbow 90	PVC Pressure Threaded Elbow 2" F-F	each	-	-	-	-	1	1	-
PVC	Faucet Socket	PVC Pressure Faucet Socket 40mm x 1-1/2"	each	-	-	-	1	-	-	-
PVC	Faucet Socket	PVC Pressure Faucet Socket 50mm x 2"	each	-	-	-	-	1	1	-
PVC	Flange	PVC DWV Tank Flange 80mm	each	-	-	-	1	1	1	-
PVC	Floor Grate	PVC Floor Grate 80mm (Lift out style)	each	1	-	-	-	-	-	-
PVC	Nipple	PVC Pressure Nipple 1-1/2"	each	-	-	-	1	-	-	-
PVC	Nipple	PVC Pressure Nipple 2"	each	-	-	-	-	1	1	-
PVC	Pipe	PVC DWV Solvent Cement Joint Pipe 80mm	6m length	0.5	-	0.2	1	1	1	-
PVC	Pipe	PVC Pressure Pipe 40mm SWJ Class 12	6m length	-	-	-	0.5	-	-	-
PVC	Pipe	PVC Pressure Pipe 50mm SWJ Class 12	6m length	-	-	-	-	1	1	-
PVC	Union	PVC Pressure Barrel Union 40mm	each	-	-	-	1	-	-	-
PVC	Union	PVC Pressure Barrel Union 50mm	each	-	-	-	-	1	1	-
PVC	Valve Socket	PVC Pressure Valve Socket 40mm x 1-1/2"	each	-	-	-	3	-	-	-
PVC	Valve Socket	PVC Pressure Valve Socket 50mm x 2"	each	-	-	-	-	3	3	-
Solvent	Cement	PVC Solvent Cement Type N (non-pressure)	250 mL	-	-	-	1	1	1	-
Solvent	Cement	PVC Solvent Cement Type P (pressure)	250 mL	-	-	-	3	3	3	-
Solvent	Primer	PVC Priming Fluid	250 mL	-	-	-	1	1	1	-
Solvent	Rust Guard	Rust Guard 4L tin	tin	-	0.1	-	-	-	-	-
Steel	Bar	Deformed Steel Bar 6mm (N6)	6m length	-	-	0.5	-	-	-	-
Steel	Bar	Deformed Steel Bar 8mm (N8)	6m length	-	0.25	-	-	-	-	-
Steel	Mesh	Steel Reinforcing Welded Mesh 200mm x 200mm 6.00mm wire (SL62)	2.4m x 6m	0.1	0.2	-	0.4	1	1	-
Steel	Nail	Nail Galvanised Jolt Head 75 x 3.15mm	kg	1	1	-	0.5	0.5	0.5	-
Steel	Tie Wire	Rebar tie/binding wire 1.57mm	kg	-	0.5	0.5	-	1	1	1
Timber	100 x 50	Timber Rough-Sawn local softwood 100 x 50mm	3m length	1	4	-	1	1	1	-
Timber	200 x 25	Timber Rough-Sawn local softwood 200 x 25mm	3m length	2	-	-	2	4	4	-
Tool	Line	Builders String line 100m	each	0.2	0.1	0.1	0.2	0.2	0.3	-
Tool	Pencil	Carpenters Pencil	each	0.1	0.2	0.2	-	-	-	-
Tool	Plastic	Polyethylene Builders Plastic 200µm 1.2m x 50m roll	roll	0.05	0.05	-	0.2	0.25	0.3	-
Tool	Sack	Empty Nylon Sack White (50kg size)	each	13	14	3	15	40	50	-

REVISION	Date	Name	Description	Owner: Vanuatu Department of Water Resources				Drawing No. : DGF – 1.02	
				Project Name : DGF Standard Drawings				Paper Size & Scale	
				Drawing Name : BILL OF QUANTITIES				A3	REV 1
				Drafter: K. Davis 01/11/18 Checked: x. xxxxxx XX/XX/XX				Plot Date :	-