



Annex C: Scope of Works

Name of Project: CONSTRUCTION OF MATERIALS RECOVERY FACILITY

ITEM No.	ITEMS OF WORK	QTY	UNIT	SCOPE OF WORKS
<b>B.5</b>	<b>PROJECT BILLBOARD/ SIGNBOARD</b>	1.00	set	-covers item specified in the plans -specs are as follows Marine Plywood 1/4" thk. good lumber (well-seasoned) Tarpaulin (4' x 8') CWN (assorted)
<b>B.7</b>	<b>OCCUPATIONAL SAFETY AND HEALTH PROGRAM</b>	1.00	lumpsum	-covers item specified in the plans -specs are as follows safety gloves safety helmet safety shoes -covers provision of safety officer
<b>800 (1)</b>	<b>CLEARING GRUBBING AND LAYOUT</b>	100.00	sq.m	-covers item as specified in the plan -covers the removal and clearing of obstruction on the designated site before and after the construction -specs are as follows: Minor Tools (10%) Chainsaw
<b>803 (1)a</b>	<b>STRUCTURE EXCAVATION</b>	11.33	cu. m.	-covers item as specified in the plan -covers excavation of column footing and wall footing -refer to plans for details -specs are as follows: Minor Tools (10%)
<b>804 (1)a</b>	<b>EMBANKMENT FROM STRUCTURE EXCAVATION</b>	7.14	cu. m.	-covers item as specified in the plan -includes backfilling, placing, spreading, & grading of excavated materials -specs are as follows: Plate Compactor, 5HP -refer to plans for details
<b>804 (4)</b>	<b>GRAVEL FILL</b>	7.54	cu. m.	-covers item as specified in the plan -includes backfilling, placing, spreading, & grading of selected granular backfill -specs are as follows: Plate Compactor, 5HP -refer to plans for details
<b>900(1)a1</b>	<b>STRUCTURAL CONCRETE</b>	10.27	cu. m.	-all concrete shall be class A = $f_c' \geq 21$ Mpa -covers item @ grid A-E and 1-4 at ground floor & second floor, specified in the plan -covers the footing of retaining wall, retaining wall, stairs, columns, beams, slab, slab on fill, counterslab, ramp, canal -specs are as follows: Portland Cement (specification of this material should pass the standard specification of ASTM C595 and PNS 063) washed sand (S-1) gravel 1" (G1) 1 bagger concrete mixer mixing box Portable concrete Vibrator -refer to plans for details



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902(1)a1	REINFORCING STEEL BARS	637.31	kgs.	-all reinforcing bars shall be grade 40 -specs are as follows: GRADE 40 RSB, 16mm dia, 12mm dia, 10mm dia. no. 16 GI Tie wire Disk grinder/ cutter Bar Bender *Note: All Rebars should pass the standard specification of PNS 49:2002(Tensile Properties, Bending Properties, Physical Properties and Deformation) -refer to plans for details
903(2)	FORMS & FALSEWORKS	15.60	sq.m	-it is suggested that the staging & scaffoldings should be H-frame/GI scaffoldings -specs are as follows: 1/2" phenolic board Good lumbers common wire nails (assorted) H-frame/GI pipe scaffoldings -refer to plans for details
1000 (1)	TERMITE CONTROL (SOIL POISONING)	65.61	sq.m	-covers item specified in the plan -specs are as follows: lentrex soil poisoning solution or any equivalent material Chemical spray equipment
1000 (9)	STORM DRAINAGE AND DOWNSPOUT	1.00	lumpsum	-covers Item as specified in the plan -specs are as follows 75mmD PVC Moldex Pipe x 3m 75mmD 90deg. Elbow PVC Solvent 200cc Pre-painted gutter Gauge 24 x 2.44m blind rivets (1/8"Dia x 3/8") Stainless Aluminum steel sheet 1.2m x 2.4m x 3mm thick fine screen screw -refer to plans for details
1047	METAL STRUCTURES	1.00	lumpsum	-covers Item as specified in the plan -specs are as follows Power Tools Welding Machine Minor tools (10% Labor) G.I. Tubular, 2"x6"x6mx1.5mm thick G.I. Pipe, 3"Øx6m, S40 G.I. Pipe, 1.5"Øx6m, S40 G.I. Pipe, 1"Øx6m, S40 C-Purlins, 2"x3"x1.5mm thick x 6m C-Purlins, 2"x4"x1.5mm thick x 6m, fascia Angle Bar 25mmx25mmx5mm Steel Matting, 50mmx50mmx3.5mmØ Plain Round Bar, 16mmØ Welding Rod -refer to plans for details
1014(1)b2	PREPAINTED METAL SHEETS (RIBB TYPE)	65.64	sq.m	-covers Item as specified in the plan -specs are as follows Pre-painted Rib Type GI sheet gauge 24



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				Ridge Roll, G26 Pre painted flashing G26 x2.44m GA.26 S-Type, S-Gutter (Pre-painted Light Green) x 2.44m Tek screw -refer to plans for details
<b>1046(2)</b>	<b>CHB NON-LOAD BEARING (INCLUDING RSB)</b>	61.92	sq.m.	-covers item @ grid A-E and 1-4 at ground floor & second floor, specified in the plan -specs are as follows: 4" thk. CHB Fine sand portland cement 10mm dia RSB grade 40, deformed no. 16 GI tie wire -refer to plans for details
<b>1027(1)</b>	<b>CEMENT PLASTER FINISH</b>	92.88	sq.m.	-covers item @ grid A-E and 1-4 at ground floor & second floor, specified in the plan -covers the plastering of walls, columns, beams, stair -specs are as follows: Portland Cement Fine sand Portland Cement (specification of this material should pass the standard specification of ASTM C595 and PNS 063) -refer to plans for details
<b>1003(1)e2</b>	<b>SPANDREL CEILING</b>	7.93	sq.m.	-covers fabrication and installation of spandrel ceiling as specified in the plans -specs are as follows: Spandrel x 4" pre-painted L Moulding x 2.40 Conc. Drill Bit x 4mmØ Blind Rivet x 4mmØ Concrete Nail Power Tools H-frame/GI pipe scaffolds -refer to plans for details
<b>1032(1)a</b>	<b>PAINTING WORKS (MASONRY/CONCRETE)</b>	102.48	sq.m	-covers item specified in the plan -specs are as follows: -1st Coat: Permacoat Flat white -Second & Third Coat, Latex Masonry Neutralizer Masonry putty Roller brush w/ pan Roller brush foam Paint brushx100 Paint brush x 75 Paint brush x 50 Paint thinner Sand paper *Note: Paint sample should be approved first before application -refer to plans for details



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<b>1100</b>	<b>CONDUITS, BOXES AND FITTINGS</b>	1.00	lumpsum	-covers item specified in the plan -specs are as follows: For lighting Flexible conduit, 20 mm inside diameter PVC adapter with lacknut, 20mm Utility Box (50mm x 100mm) Junction Box (Octagonal) For Power PVC conduit, 20mm PVC adapter with lacknut, 20mm PVC elbow, 20mm Utility Box (50mm x 100mm) pvc square box For Feeders PVC coupling/connector, 32mm dia PVC conduit, 32mm dia PVC elbow, 32mm dia PVC locknut and adapter, 32mm dia PVC Clamp, 20mm Metal Screw -refer to plans for details
<b>1101</b>	<b>WIRES AND WIRING DEVICES</b>	1.00	lumpsum	-covers item specified in the plan -specs are as follows: Wire #5.5mm <sup>2</sup> THHN copper stranded, 150m Electrical Tape PVC Solvent Cement Convenience outlet, 20A, 250V 3 Pin Universal Duplex Socket Mechanism with Shutter (gray), Weatherproof Wide series Switch, 16A 2 Gang 1 Way Switch (Standard) (gray) -refer to plans for details
<b>1102</b>	<b>POWER LOAD CENTER, SWITCH GEAR AND PANEL BOARD</b>	1.00	lumpsum	-covers item specified in the plan -specs are as follows: Circuit Breaker, 60AT, MCCB, 2 pole bolt-on, 60HZ, 250V, Industrial Type -refer to plans for details
<b>1103</b>	<b>LIGHTING FIXTURES</b>	2.00	set/s	-covers item specified in the plan -specs are as follows: LED T8, Weather Proof Fixture, 2x36W, Suspended -refer to plans for details