



REPUBLIC OF THE PHILIPPINES
Department of Science and Technology
Philippine Science High School- SOCCSKSARGEN Region Campus
Barangay Paraiso, Koronadal City, South Cotabato

Project: **CONSTRUCTION OF MATERIALS RECOVERY FACILITY**
 Bid Amount:
 Bidders Name:

ITEM	SCOPE OF WORK	QTY	UNIT	UNIT COST	TOTAL COST
1.0	GENERAL REQUIREMENTS				
1.1	Mobilization/Demobilization	1	lot		
1.2	Bonds, Insurances & Permits	1	lot		
1.3	As built plans	1	lot		
1.4	Temporary Utilities (Electricities & Water)	1	lot		
1.5	Temporary Facilities				
	1.5.1 Temporary Warehouse	1	lot		
	1.5.2 Field Office/Conference Room	1	lot		
	1.5.3 Temporary Fence/Site Enclosure	1	lot		
1.6	Surveying & Layouts	1	lot		
1.7	Testing of Materials				
	1.7.1 Compression Testing (Cylinder, CHB, Mortar)	1	lot		
	1.7.2 Cement (Physical & Chemical Properties)	1	lot		
	1.7.3 Complete Test for Aggreggates (Grading,	1	lot		
	1.7.4 Complete Test for Aggreggates (Grading,Soundness, Abrasion, Specific Gravity, Unit Weight, Absorption				
	1.7.5 Tensile Properties of Rebars & Steeldecking	1	lot		
	1.7.6 Design/Trial Mix	1	lot		
	1.7.7 Curing Tank & Curing Materials	1	lot		
1.8	Construction Safety/PPEs	1	lot		
SUB-TOTAL 1.0					-
2.0	LAND DEVELOPMENTS				
2.1	Entrance Paving blocks	32	sm		
SUB-TOTAL 2.0					-
3.0	EARTHWORKS AND LAND DEVELOPMENTS				
3.1	EXCAVATION				
	3.1.1 Footing Pits	5	Cu.M.		
	3.1.2 Catch Basins	1	Cu.M.		
3.2	EARTHFILL				
	3.2.1 Ground Floor	100.00	Cu.M.		
SUB-TOTAL 3.0					-
4.0	STRUCTURAL WORKS				
4.1	Reinforced Concrete Footing (3500psi)				

	4.1.1	Type 1 Portland Cement	30.00	bags		
	4.1.2	Washed and screened Sand	2.00	Cu.M.		
	4.1.3	Gravel	4.00	Cu.M.		
	4.1.4	boulders	3.00	Cu.M.		
	4.1.5	16mm def bars grade 40	30.00	kgs		
	4.1.7	Ga 16 tie wire	3.00	kgs		
	4.2	Reinforced Concrete Wall Footing (3000psi)				
	4.2.1	Type 1 Portland Cement	55.00	bags		
	4.2.2	Washed and screened Sand	3.50	Cu.M.		
	4.2.3	Gravel	7.00	Cu.M.		
	4.2.4	10mm def bars grade 33	80.00	kgs		
	4.2.5	Ga 16 tie wire	5.00	kgs		
	4.3	Reinforced Concrete slab on fill (3000psi)				
	4.3.1	Type 1 Portland Cement	270.00	bags		
	4.3.2	Washed and screened Sand	15.00	Cu.M.		
	4.3.3	Gravel	30.00	Cu.M.		
	4.3.4	10mm def bars grade 33	380.00	kgs		
	4.3.5	Ga 16 tie wire	10.00	kgs		
	4.4	Reinforced Concrete Columns (3500psi)				
	4.5.1	Type 1 Portland Cement	50.00	bags		
	4.5.2	Washed and screened Sand	3.00	Cu.M.		
	4.5.3	Gravel	6.00	Cu.M.		
	4.5.4	20mm def bars grade 40	5.00	kgs		
	4.5.5	16mm def bars grade 40	65.00	kgs		
	4.5.6	10mm def bars grade 33	100.00	kgs		
	4.5.7	Ga 16 tie wire	15.00	kgs		
	4.6	Reinforced Concrete Suspended Beams (3500psi)				
	4.6.1	Type 1 Portland Cement	60.00	bags		
	4.6.2	Washed and screened Sand	4.00	Cu.M.		
	4.6.3	Gravel	8.00	Cu.M.		
	4.6.6	16mm def bars grade 40	70.00	kgs		
	4.6.7	10mm def bars grade 33	200.00	kgs		
	4.6.8	Ga 16 tie wire	10.00	kgs		
	4.7	Reinforced Concrete Ramps (3500psi)				
	4.6.1	Type 1 Portland Cement	30.00	bags		
	4.6.2	Washed and screened Sand	2.00	Cu.M.		
	4.6.3	Gravel	4.00	Cu.M.		
	4.6.7	10mm def bars grade 33	20.00	kgs		
	4.6.8	Ga 16 tie wire	5.00	kgs		
	4.8	Formworks and scaffoldings				
	4.7.1	2x4x12 coco lumber	200.00	pcs		
	4.7.2	2x3x12 coco lumber	300.00	pcs		
	4.7.3	2x2x12 coco lumber	500.00	pcs		
	4.7.4	3/8" ord plywood	40.00	pcs		
	4.7.5	1/4" ord plywood	30.00	pcs		
	4.7.6	assorted size conc nails	1.00	boxes		
	4.7.7	cwn 4"	3.00	boxes		
	4.7.8	cwn 3"	3.00	boxes		
	4.7.9	cwn 2-1/2"	2.00	boxes		
	4.7.10	cwn 2"	1.00	box		
	4.7.11	cwn 1-1/2"	1.00	box		
		SUB-TOTAL 4.0				-
5.0	STEEL WORKS					
	5.1	STEEL TRUSSES (Trusses, Rafters, Girt & Entrance Canopy)				

	5.1.1	6mmx2"x2" angle bar	25	lengths		
	5.1.5	1.50mm thk 2"x4" Cee Purlins	65	pcs		
	5.1.6	16mm x6m plain round bars	20	length		
	5.1.7	Sag Rod (Plain Round Bar, 10mm)	20	length		
	5.1.9	Turn Buckle (1/2"x1')	15	pcs		
	5.1.10	welding rods (N90)	20	kgs		
	5.2	ROOFING				
	5.2.1	0.5mm ribbed type colorbonded Gi Roofing sheets	300	L.M.		
	5.2.2	0.5mm spanish colorbonded Gi gutters	10	Length		
	5.2.3	0.5mm colorbonded Gi wall flashing	10	Length		
	5.2.4	0.5mm colorbonded Gi end flashing	20	Length		
	5.2.6	sealant	2	gals		
	5.2.7	Tek Screw & Rivets	20	Kgs		
	5.2.8	Touch up Paint	1	gal		
	5.3	STAIR HAND RAIL				
	5.3.1	Stainless Pipe (2", S-20)	2	Length		
	5.3.2	Square Bar (12mm)	4	Length		
	5.3.3	flat bar 1/4" x 1"x6m	3	Length		
	5.3.4	Welding Rod (Stainless)	5	Kgs		
		SUB-TOTAL 5.0				-
6.0	MASONRY WORKS					
	6.1	CHB WALL				
	6.1.1	CHB 6" (350 psi)	3,000.00	Pcs		
	6.1.2	CHB 4" (350 psi)	2,000	Pcs		
	6.1.3	Cement (40 Kgs)	500	Bags		
	6.1.4	Washed Sand	30	Cu.M.		
	6.1.5	DRB 10mm, Grade 33	1500	Kgs		
	6.1.6	G.I. Wire (G-16)	20	Kgs		
	6.2	CATCH BASINS				
	6.3.1	CHB 4" (350 psi)	100	Pcs		
	6.3.2	Cement (40 Kgs)	8	Bags		
	6.3.3	Washed Sand	0.5	Cu.M.		
	6.3.4	DRB 10mm, Grade 40	5	Kgs		
	6.3.5	G.I. Wire (G-16)	0.05	Kgs		
	6.3	PLASTERING (25 mm thick)				
	6.3.1	Cement (40 Kgs)	100	Bags		
	6.3.2	Washed Sand	10	Cu.M.		
		SUB-TOTAL 6.0				-
7.0	PAINTING WORKS					
	7.1	WALLS				
	7.1.1	Exterior Wall	250.00	Sq.M.		
	7.1.2	Interior Wall	240.00	Sq.M.		
	7.2	CEILING	50.00	Sq.M.		
	7.3	WOODEN DOORS AND JAMBS	1.00	sets		
	7.4	STEEL DOORS AND JAMBS	5.00	sets		
	7.4	CABINETRIES	1.00	lot		
	7.5	ROOF FRAMING & RAMP RAIL				
	7.5.1	Epoxy Primer Gray	10.00	Gal		
	7.5.2	Epoxy reducer	5.00	Gal		
		SUB-TOTAL 7.0				-
8.0	TILEWORKS					
	8.1	Indoor floor(0.60mx0.60m) non-skid porcelain tiles	25.00	Sq.M.		
		SUB-TOTAL 8.0				-

9.0		CEILING			
	9.1	FLAT CEILING (gypsum)			
	9.1.1	Gypsum Board (1/2")	50	Sq.M.	
	9.1.2	Metal Frames	50	Sq.M.	
	9.1.3	Accessories	1	Lot	
			SUB-TOTAL 9.0		-
10.0		PLUMBING WORKS			
	10.1	FRESH WATER LINES			
	10.1.2	PPR Pipes (3/4"), PNS 16	15	Length	
	10.1.4	PPR Pipe Fittings (Elbows, Tees, Reducers, etc)	1	Lot	
	10.1.5	Pipes Solvent Cement	1	Liter	
	10.1.6	Consumables (Teflon, Cement Solvent, etc.)	1	Lot	
	10.2	SANITARY & DRAINAGE LINES			
	10.2.1	PVC Pipe 4", S-40	30	Length	
	10.2.2	PVC Pipe 2", S-40	5	Length	
	10.2.3	PVC Pipe Fittings (Elbows, Wyes, Tees, Cleanouts, etc)	1	Lot	
	10.2.4	Pipes Cement Solvent	1	Liters	
	10.2.5	Construction of Septic Tank	1	lot	
	10.3	DRY STANDPIPE			
	10.3.1	G.I. Pipes (2 1/2", S-40)	1	Length	
	10.3.2	G.I. elbows (2-1/2", S-40)	2	pcs	
	10.3.3	G.I. couplings (2-1/2", S-40)	1	pcs	
	10.3.4	G.I. tee (2-1/2", S-40)	1	pcs	
	10.3.5	fire hose box with hose and nozzle	1	units	
	10.3.6	siamese twin 2-1/2	1	units	
	10.4	STORM DRAIN			
	10.4.1	PVC Pipe (4", S-40)	15	Length	
	10.4.2	PVC coupling (4", S-40)	5	pcs	
	10.4.3	PVC elbow (4", S-40)	6	pcs	
	10.4.4	PVC Pipe Fittings (Elbows, Wyes, Tees, Cleanouts, etc)	1	Lot	
	10.4.5	PVC Pipe 6" S-40	5	length	
	10.5	PLUMBING ACCESSORIES			
	10.6.1	Trench Floor Drain	3	sets	
	10.6.3	soap dispenser	1	Pcs	
	10.6.4	Ball Valves	2	Pcs	
	10.6	PLUMBING FIXTURES			
	10.7.2	Counter top Lavatory Industrial type	1	Sets	
	10.7.6	Accessories & Fittings	1	Lot	
	10.7	MISCELLANEOUS			
	10.9.1	Hangers, Clamps, Consumables	1	Lot	
	10.8	Testing & Commissioning of Plumbing Works		1	Lot
			SUB-TOTAL 10.0		-
11.0		ELECTRICAL & AUXILIARY WORKS			
	11.1	LIGHTING & POWER LAYOUT			
	11.1.1	PVC Conduit 1/2, S-40	100	Length	
	11.1.2	PVC Conduit 3/4, S-40	5	Length	
	11.1.3	PVC Conduit 3", S-40	100	Length	
	11.1.4	PVC flexible hose 1/2	1	rolls	
	11.1.5	THHN Copper Wire 10/7	2	rolls	

	11.1.6	THHN Copper Wire 12/7	2	rolls		
	11.1.7	THHN Copper Wire 14/7	2	rolls		
	11.1.8	pvc Junction Box (4X4,)	40	Pcs		
	11.1.9	pvc Utility Box (2x4)	30	Pcs		
	11.1.10	PVC Square BOx with cover	10	Pcs		
	11.1.11	Pull box 4x12x12	2	Pcs		
	11.1.12	wire gutter 5x12x48	1	Pcs		
	11.1.13	Convenience outlet 2 gang	15	set		
	11.1.16	Emergency Light Outlets	10	set		
	11.1.17	LED exit sign outlets	1	set		
	11.1.18	Ceiling Fan Outlets	2	set		
	11.1.19	Exhaust Fan Outlets	2	set		
	11.1.20	Switch 1 gang	2	set		
	11.1.21	Switch 2 gang	1	set		
	11.1.22	Switch 3 gang	13	set		
	11.1.23	Switch 3 gang 3 way	2	set		
	11.1.24	magnetic switch 3HP	1	sets		
	11.1.26	fitting connectors etc.	1	lot		
	11.1.27	tapes , solvent cement	1	lot		
	11.2	LIGHTING FIXTURE				
	11.2.1	LED 12 watts bulb	14	Sets		
	11.2.2	Industrial Exhaust Fan	2	units		
	11.2.3	ceiling fans	1	units		
	11.2.4	LED illuminated exit signs	3	pcs		
	11.2.5	LED eyeball emergency light	10	sets		
	11.3	BREAKERS AND PANELBOXES				
	11.3.1	60Amps Double Throw Circuit Breaker	1	set		
	11.3.2	20A Circuit Breaker w/ Housing/ Bolt-on type	1	set		
	11.3.3	MDP Panel Box industrial type 3phase center main bolt-on; 60 main;	1	set		
	11.3.4	14mm2 THHN wire	900	mtrs		
	11.3.7	Entrance Cap	1	pc		
	11.3.8	Male adaptor	1	pc		
	11.3.9	HD secondary rack	1	set		
	11.3.10	U-bolt connector	1	pcs		
	11.3.11	rubber tape	1	rolls		
	11.4	SOLAR ENERGY				
	10.9.1	Roof Mounted Solar Panel 14KW	1	lot		
	11.5	TESTING & COMMISSIONING OF ELECTRICAL WORKS	1	Lot		
			SUB-TOTAL 11.0			-
13.0	GLASS AND WINDOWS					
	13.1	w1 Awning Type Window on Aluminum Frames Analok Finish	4	sets		
	13.2	w2 Louvered Type Window on Aluminum Frames Analok Finish	2	sets		
	13.4	w3 Louvered Type Window on Aluminum Frames Analok Finish	2	sets		
	13.5	w4 Louvered Type Window on Aluminum Frames Analok Finish	2	set		
	13.6	w5 Louvered Type Window on Aluminum Frames Analok Finish	2	set		
	13.7	w6 Sliding Type Window on Aluminum Frames Analok Finish	1	set		
			SUB-TOTAL 13.0			-
14.0	WATERPROOFING					
	14.1	Waterproofing of toilet floors	12.5	sq.mt		
			SUB-TOTAL 14.0			-

15.0	TERMITE CONTROL				
	15.1	Soil Poisoning	60	lm	
SUB-TOTAL 15.0					-
16.0	THERMAL CONTROL				
	16.1	Insulation	225	sq.mt	
SUB-TOTAL 16.0					-
17.0	ARCHITECTURAL SPECIALTIES				
	17.1	Façade Design Details	1	lot	
	17.2	Wooded Panel Door on Wooded Jamb	2	sets	
	17.3	GA 16 Pressed Galvalume Steel Louver Blade on GA 14 Tubular Frame Door	2	sets	
	17.4	2x2 Steel Matteing on Tubular Frame Door 2.0mx 2.1m	1	set	
	17.5	2x2 Steel Matteing on Tubular Frame Door 1.1mx 2.1m	4	set	
	17.6	Ga 18 Galvalume Sheet Roll-up (4.0mx2.4m)	2	set	
	17.7	ALUMINUM Composite Panels	45	sq.m.	
	17.8	Door Lockset			
	17.5.1	Lever Type Satin Finished Door Lockset	2	sets	
SUB-TOTAL 17.0					-
18.0	FURNITURES, CABINETS & COUNTERS				
	18.1	CABINETS AND COUNTERS			
	18.1.1	Sorting Table	1	set	
	18.1.2	Hand Washing Counter	1	unit	
	18.1.3	Storage and Tools Cabinet	2	unit	
SUB-TOTAL 18.0					-
19.0	HVAC				
	19.1	Ceiling Fan	2	unit	
	19.4	Industrial Exhaust Fan	2	sets	
	19.5	Ducting	1	lot	
SUB-TOTAL 19.0					-
GRAND TOTAL					-

Prepared by:


ENGR. RONAMAR D. SARTO
Resident Engineer

Recommending Approval


HARRY RALPH F. PADAYAO
PMO

Approved by


CHUCHI P. GARGANERA, PH.D.
Director III