Project Title :Repair Improvement and Repainting of the damage Perimeter Fence at the back of the container van east corner of the central bank fence beside DENR site, covered Parking and access road concreting

Location : PAGASA Science Garden Complex

Subject : BILL OF MATERIALS

					ESTIMATED DIRECT COST (EDC)				INDIRECT COST (IC)						
	ITEM / DESCRIPTION	UNIT	QTY.	UNIT COST	MATERIAL	LABOR	EQUIPMENT	DIRECT COST	OVERHEAD	CONTIGENCIES	MISCELLANEOUS	PROFIT	VAT-COMPONENT	TOTAL AMOUNT	UNIT COST
A.	For Access Road Concreting														
I.	Staking, Excavation and Backfilling														
	Demolation	lot	1.00												
	Excavation/back filling	m^3	24.0												
	Scraping and leveling	m^2	24.0												
	Backfilling Materials (15mx41x1.0m)+20% compaction	m^2	123.0												
Sub-Total															
II.	Concreting Works														
	Cement (Portland 40 kgs)	bags	300.0												
	Sand	m^3	15.0												
	Gravel G-1 Crushed	m^3	30.0												
	Filling Matrials @0.3M	m^3	60.0												
	Gravel Bedding, 100mm. Thk.	m^3	10.0												
	12mmø x 6m DSB, Grade 60	pcs.	134.0												
	GI tie wire # 16	kgs.	2.0												
	Formworks														
	Plywood, 4' x 8' x 1/4"	pcs.	8.0												
	Good Lumber, 2" x 2" x 10'	pcs.	52.0												
	CW Nail, 4"	kgs.	4.0												
	CW Nail,assourted 3"&2"	kgs.	4.0												
B.	FOR THE REPAIR OF DAMAGED PERIMETER FENCE														
I.	Earthwork														
	Excavation Works	m^3	15.8												
II.	Concreting Works (footing foundation)														
	Cement (Portland 40 kgs.)	bags	22.0												
	Sand	m^3	1.2												
	Gravel G-1 Crushed	m^3	2.4												
	16mmø x 6m DSB, Grade 60	pcs.	14.0												
	G.I. Tie Wire # 16	kgs.	2.6												
III.	Concrete Column														
	Cement (Portland 40 kgs.)	bags	15.0												
	Sand	m^3	1.0												
	Gravel G-1 Crushed	m^3	2.0												
	16mmø x 6m DSB, Grade 60	pcs.	21.0												
	10mmø x 6m DSB, Grade 60	pcs.	45.0												
	G.I. Tie Wire # 16	kgs.	3.0												
	Formworks														

	Plywood, 4' x 8' x 1/4"	pcs.	8.0												
	Good Lumber, 2" x 2" x 10'	pcs.	32.0												
	Good Lumber, 2" x 3" x 10'	pcs.	18.0												
	CW Nail, 16d (3 1/2")	kgs.	15.7												
	CW Nail, 3d (1 1/4")	kgs.	1.6												
Sub-Total															
IV.	FOR TIE BEAM														
	Cement (Portland 40 kgs)	bags	12.0												
	Sand	m^3	1.0												
	Gravel G-1 Crushed	m^3	1.5												
	12mmø x 6m DSB, Grade 60	pcs.	22.0												
	10mmø x 6m DSB, Grade 60	pcs.	34.0												
	G.I. Tie Wire #16	kgs.	2.00												
Sub-Total															
V	FOR THE LENTEL BEAM														
	Cement (Portland 40 kgs)	bags	8.0												
	Sand	m^3	1.0												
	Gravel G-1 Crushed	m^3	1.0												
	12mmø x 6m DSB, Grade 60	pcs.	15.0												
	10mmø x 6m DSB, Grade 60	pcs.	27.0												
	G.I. Tie Wire # 16	kgs.	2.0												
	FOR SHEAR WALLS														
VI.	Cement (Portland 40 kgs)	bags	14.0												
	Sand	m^3	1.0												
	Gravel G-1 Crushed	m^3	1.0												
	12mmø x 6m DSB, Grade 60	pcs.	4.0												
	10mmø x 6m DSB, Grade 60	pcs.	4.0												
	G.I. Tie Wire # 16	kgs.	1.8												
	Formworks														
	Plywood, 4' x 8' x 1/4"	pcs.	2.0												
	Good Lumber, 2" x 2" x 10'	pcs.	12.0												
	CW Nail, 16d (3 1/2")	kgs.	1.0												
	CW Nail, 3d (1 1/4")	kgs.	1.0												
Sub-Total															
VII.	FOR MASONRY/PLASTERING														
	CHB 6"	pcs.	888.0												
	Sand	m^3	4.0												
	12mmø x 6m DSB, Grade 60	pcs.	35.0												
	For cyclone wire and Gage 10														
	cyclone wire gage 10@ 2"hole	rools	4.0												
	Barbe wire	box	1.0												
	G.I. pipes 2"dia. Sched. 40	pcs	9.0												
	welding rods	kgs.	5.00												
Total															
C.	FOR COVERED PARKING														

I.	Footing Foundation @1.2m x.80m x.30m														
	Cement (Portland 40 kgs)	bags	37												
	Sand	m^3	2.0												
	Gravel G-1 Crushed	m^3	4.0												
	12mmø x 6m DSB, Grade 60	pcs.	48.0												
	G.I. Tie Wire # 16	kgs.	5.0												
Total															
II.	COLUMN POST														
	Cement (Portland 40 kgs.)	bags	31.0												
	Sand	m^3	2.0												
	Gravel G-1 Crushed	m^3	3.5												
	16mmø x 6m DSB, Grade 60	pcs.	51.0												
	10mmø x 6m DSB, Grade 60	pcs.	70.0												
	G.I. Tie Wire # 16	kgs.	5.0												
III.	For B.I. pipes (for Trusses)														
	4" diameter B.I. pipes schedule 40	pcs	20.00												
	1.5" diameter B.I. Pipes	pcs	24.00												
	2" diameter B.I. pipes sched. 40	pcs	76.00												
	2"x 3" diameter tubular for purlin	pcs	91.00												
	12mm diameter sagrod @150 o.c.	pcs	12.00												
	12mm dia. Cross bracing rod w/#10 turn buckle	pcs	48.00												
	welding rods	kgs.	30.00												
Total															
VI.	For Concrete Floor Slabs and Ramp														
	Cement (Portland 40 kgs)	bags	414.0												
	Sand	m^3	23.0												
	Gravel G-1 Crushed	m^3	46.0												
	Filling Matrials @.3M	m^3	113.0												
	Gravel Bedding, 100mm. Thk.	m^3	23.0												
	12mmø x 6m DSB, Grade 60	pcs.	306.0												
	GI tie wire # 16	kgs.	2.0												
	Formworks														
	Coco lumber 2" x 4" x 12'	pcs.	28.0												
	Good Lumber, 2" x 2" x 10'	pcs.	52.0												
	CW Nail, 4"	kgs.	4.0												
	CW Nail,assourted 3"&2"	kgs.	4.0												
VII.	FOR Roofing use # 24 curve RIB pre painted														
	# 24 curve RIB pre painted	*L.M.*	141.6												
	and accessories @ 650/L.M.														
XI.	Electrical And Mechanical Works														
	Panel Board : square; bolt-on														
	250V, 1-phase, 60 AF, 6 branches														
	1-15amp cb, 250V, 1-phase main	set	1.00												
	2-30amps cb, 250V/1phase & 2-20amps cb, 250V,2 spares														

	THHn/THWN wire 3.5mm^2	mtrs	378.00												
	THHN/THWN wire5.5mm^2	mtrs	300.00												
	1/2" PVC Pipe	lm	200.00												
	1/2" FCM Pipe	mtrs	11.00												
	1/2" Long Elbow PVC Pipe	pcs	17.00												
	1/2" Straight Connector FMC	pcs	11.00												
	1/2" Angle Connector	pcs	10.00												
	1/2" aAdapter w/ Lockknut and Bushing	pcs	24.00												

	Junction Box PVC	pcs	11.00												
	Utility Box PVC	pcs	12.00												
	36" Suspended Flourescent Fixture w/ Led tube and Prismatic Lens (Landlite CFL-136 Gray)	set	11.00												
	Single Switch w/ Plate Cover	pc	1.00												
	3-way Switch w/ Plate Cover	pcs	2.00												
	4-way Switch w/ Plate Cover	pc	4.00												
	Duplex Convenience Outlet w/ Plate Cover	pcs	8.00												
X.	Painting														
	Redoxide paint (primer)	gals	4.00												
	Epoxy primier (boysen)	gals	4.00												
	acrylic paint (pink)	gals	4.00												
	Flat Latex White	gals	2.00												
	paint brush 3"	pcs	4.00												
	paint roller w/basin	pcs	2.00												
	Tinting color	pint	1.00												