PROJECT: CONSTRUCTION OF VSU POWER PLANT BUILDING

LOCATION : Visayas State University, Main Campus

OWNER : Visayas State University

SUBJECT : BID FORM (Bill of Quantities)

DESCRIPTION	QTY	UNIT		UNIT COST		TOTAL UNIT	TOTAL	OVERHEAD/ CONT	TAX	PROFIT	TOTAL
DESCRIPTION	QII	ONII	MATERIALS	LABOR	TOOLS/EQ UIP	DIRECT	AMOUNT (DC)	MISCEL	IAX	PROFII	BID AMOUNT
1.0 MOBILIZATION	1	lot									
2.0 Permits (Building and Occupancy)	1	lot									
3.0 Removal of Existing Structures											
4.0 EARTHWORKS											
a. Layout											
b. Excavation	1	lot									
c. Filling to desired Ground flr. Elevation	on										
Filling Materials											
5.0 FORMWORKS (installation and Remo	val)										
Form and Scaffoldings (Rental)	1	lot									
6.0 CIVIL / STRUCTURAL & MASONRY WO	RKS										
a. Column Footings											
Cement, Portland	85	bags									
Sand, washed	4	cu.m									
Gravel, 3/4" Crushed	7	cu.m									
16 mm dia x 6meter def. bars, gr. 60	85	pcs									
Tie Wire # 16	25	kilos									
b. Columns from footing to Floor Beam											
Cement	115	bags									
Sand, washed	5	cu.m									
Gravel, 3/4" Crushed	10	cu.m									
10 mm dia x 6meter def. bars	210	pcs									

		UNIT		UNIT COST		TOTAL UNIT	TOTAL	OVERHEAD/ CONT			TOTAL
DESCRIPTION	QTY	UNIT	MATERIALS	LABOR	TOOLS/EQ UIP	DIRECT	AMOUNT (DC)	MISCEL	TAX	PROFIT	BID AMOUNT
20 mm dia x 6meter def. bars, gr. 60	168	pcs									
Tie Wire # 16	60	kilos									
c. Tie Beams											
Cement	85	bags									
Sand, washed	4	cu.m									
Gravel, 3/4" Crushed	7	cu.m									
10 mm dia x 6meter def. bars	250	pcs									
12 mm dia x 6meter def. bars, gr. 60	80	pcs									
Tie Wire # 16	50	kilos									
d. Floor Beams											
Cement	180	bags									
Sand, washed	8	cu.m									
Gravel, 3/4" Crushed	16	cu.m									
10 mm dia x 6meter def. bars	320	pcs									
20 mm dia x 6meter def. bars, gr. 60	168	pcs									
Tie Wire # 16	120	kilos									
e. Stairs											
Cement, Portland	120	bags									
Sand, washed	7	cu.m									
Gravel, 3/4" Crushed	14	cu.m									
10 mm dia x 6meter def. bars	35	pcs									
12 mm dia x 6meter def. bars	40	pcs									
16 mm dia x 6meter def. bars, gr. 60	30	pcs									
Tie Wire # 16	30	kilos									
16 mm square bars x 6 meter	26	pcs									
2" dia x 6 meter B.I. Pipe	26	pcs									

	T	UNIT		UNIT COST		TOTAL UNIT	TOTAL	OVERHEAD/ CONT			TOTAL
DESCRIPTION	QTY	UNIT	MATERIALS	LABOR	TOOLS/EQ UIP	DIRECT	AMOUNT (DC)	MISCEL	TAX	PROFIT	BID AMOUNT
Welding Rod	12	kilos									
f. Second Floor Slabs											
Cement	252	bags									
Sand, washed	12	cu.m									
Gravel, 3/4" Crushed	24	cu.m									
10 mm dia x 6meter def. bars	864	pcs									
Tie Wire # 16	128	kilos									
g. Columns up to Roof Beams											
Cement	115	bags									
Sand, washed	5	cu.m									
Gravel, 3/4" Crushed	10	cu.m									
10 mm dia x 6meter def. bars	210	pcs									
16 mm dia x 6meter def. bars, gr. 60	168	pcs									
Tie Wire # 16	60	kilos									
h. Roof Beams											
Cement	185	bags									
Sand, washed	8	cu.m									
Gravel, 3/4" Crushed	16	cu.m									
10 mm dia x 6meter def. bars	340	pcs									
16 mm dia x 6meter def. bars, gr. 60	177	pcs									
Tie Wire # 16	60	kilos									
i. Cantilever Roof Beams											
Cement	27	bags									
Sand, washed	1.25	cu.m									
Gravel, 3/4" Crushed	2.5	cu.m									
10 mm dia x 6meter def. bars	52	pcs									

		UNIT		UNIT COST		TOTAL UNIT	TOTAL	OVERHEAD/ CONT			TOTAL
DESCRIPTION	QTY	UNIT	MATERIALS	LABOR	TOOLS/EQ UIP	DIRECT	AMOUNT (DC)	MISCEL	TAX	PROFIT	BID AMOUNT
16 mm dia x 6meter def. bars, gr. 60	30	pcs									
Tie Wire # 16	15	kilos									
j. Concrete Fascia											
Cement	27	bags									
Sand, washed	1.25	cu.m									
Gravel, 3/4" Crushed	2.5	cu.m									
10 mm dia x 6meter def. bars	120	pcs									
Tie Wire # 16	12	kilos									
k. Lintel Beams and Window Canopy											
Cement	96	bags									
Sand, washed	4	cu.m									
Gravel, 3/4" Crushed	8	cu.m									
12 mm dia x 6meter def. bars, gr. 60	165	pcs									
10 mm dia x 6meter def. bars	219	pcs									
Tie Wire # 16	34	kilos									
k. Genset Footing											
Cement	225	bags									
Sand, washed	9	cu.m									
Gravel, 3/4" Crushed	19	cu.m									
12 mm dia x 6meter def. bars, gr. 60	214	pcs									
Tie Wire # 16	15	kilos									
I. Concrete Flooring											
Cement	225	bags									
Sand, washed	9	cu.m									
Gravel, 3/4" Crushed	19	cu.m									
10 mm dia x 6meter def. bars	140	pcs									

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DESCRIPTION	QII	OIVII	MATERIALS	LABOR	TOOLS/EQ UIP	DIRECT	AMOUNT (DC)	MISCEL	IAA	PROFII	BID AMOUNT
Tie Wire # 16	15	kilos									
m. Wall footing											
Cement	10	bags									
Sand, washed	0.5	cu.m									
Gravel, 3/4" Crushed	1	cu.m									
10 mm dia x 6meter def. bars	4	pcs									
12 mm dia x 6meter def. bars, gr. 60	5	pcs									
Tie Wire # 16	1	kilo									
n. Filing of CHB											
Cement	280	bags									
Sand, washed	24	cu.m									
10 mm dia x 6meter def. bars	390	pcs									
Tie Wire # 16	24	kilos									
4" СНВ	6000	pcs									
o. Cement Plastering with plain Cement I	Finish										
Cement	35	bags									
Sand, washed	30	cu.m									
i. Roof Framing											
2mm thk x 6" x 6 meters C Purlins	80	pcs									
1/4" thk x 2"x 2" x 6 meters angle Bars	168	pcs									
12mm dia x 6 meter plain bars	12	pcs									
16mm dia x 6 meters Plain Bars	24	pcs									
16mm dia x 200mm Machine Bolts	24	pcs									
Welding Rod, Fuji	4	boxes									
Red Oxide Primer	5	gals									

DESCRIPTION	QTY	UNIT		UNIT COST		TOTAL UNIT	TOTAL	OVERHEAD/ CONT	TAX	PROFIT	TOTAL
DESCRIPTION	ŲΙΤ	UNII	MATERIALS	LABOR	TOOLS/EQ UIP	DIRECT	AMOUNT (DC)	MISCEL	IAX	PROFII	BID AMOUNT
p. Roofing											
0.5mm thkx 813mm Galvalume,colorbond pre painted,Baguio Green, Ordinary Corrugated @ 2-1/2 side	420	lnm									
laps End Flashing, 0.50mm x 0.915 m x 2.44 m	32	pcs									
Tex Screw, Metal	4700	pcs									
q. Electrical Wires and Fixtures											
Conduits, Boxes & Fittings											
Electrical Rough-ins											
40 mm. dia. schedule 40, Conduit (PVC) pipe	12	L									
25 mm. dia. schedule 40, Conduit (PVC) pipe	1	L									
20 mm. dia. schedule 40, Conduit (PVC)pipe (Including fire alarm)	250	L									
60 mm. dia. Schedule 80, elbow (PVC)	8	pcs									
40 mm. dia. Schedule 80, elbow (PVC)	4	pcs									
40 mm. dia. Schedule 80,locknut and bushing (PVC)	10	pcs									
25 mm. dia. Schedule 80,locknut and bushing (PVC)	4	pcs									
20 mm. dia. Schedule 40,female adoptor with locknut (PVC)	400	pcs									
pvc solvent	10	pcs									
Pull Box, Tie Wire, Support and Hangers, PVC Cup	1	lot									
Wires and Wiring Devices											
60 mm2 THHN/THW stranded wire	80	mtrs									
38 mm2 THHN/THW stranded wire	6	mtrs									
14 mm2 THHN/THW stranded wire	5	mtrs									
8.0 mm2 THW stranded wire(greena)	4	mtrs									

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DESCRIPTION	ŲΠ	OIVIT	MATERIALS	LABOR	TOOLS/EQ UIP	DIRECT	AMOUNT (DC)	MISCEL	IAA	PROFII	BID AMOUNT
5.5 mm2 THHN/THW stranded wire	3	boxes									
3.5 mm2 THHN/THW stranded wire	9	boxes									
2.0 mm2 TW (G) stranded wire	4	boxes									
1.6 mm2 TF wire (fire alarm)	1	boxes									
Duplex tamper resistant receptacle outlet with ground prong	38	pcs.									
Aircon outlet (simplex with ground prong	11	pcs.									
1 Gang switch	2	pcs.									
2 Gang switch	8	pcs.									
3 Gang switch	4	pcs.									
3WAY 1 Gang switch	2	pcs.									
3WAY 1 Gang switch	2	pcs.									
utility box	75	pcs									
square box	35	pcs									
octagonal box with cover	90	pcs									
electrical tape	12	pcs									
smoke detector (conventional)	12	pcs									
heat detector (conventional)	3	pcs									
manual call point & fire alarm bell	2	set									
fire alarm control panel (2 zones)- conver	1	pcs									
Power Load Center, Switchgear and Pane	lboards										
Panel "LP": 100A single phase PANEL with 12-single phase branches, 13 holes (with grounding termination) enclosed in NEMA-3R enclosure	1	set									
MAIN: 60AT/60AF,2P,8KAIC, at 240V MCCB											

DECEMBER	071	UNIT		UNIT COST		TOTAL UNIT	TOTAL	OVERHEAD/ CONT	T A.V	DDC5:T	TOTAL
DESCRIPTION	QTY	UNIT	MATERIALS	LABOR	TOOLS/EQ UIP	DIRECT	AMOUNT (DC)	MISCEL	TAX	PROFIT	BID AMOUNT
Branches :											
4- 25AT,6KAIC,2P,MCCB											
8- 20AT,6KAIC,2P,MCCB											
Panel "PP": 100A single phase PANEL with 12-single phase branches, 13 holes (with grounding termination) enclosed in NEMA-3R enclosure	1	set									
MAIN: 100AT/100AF,2P,8KAIC, at 240V MCCB											
Branches: 12-30AT,6KAIC,2P,MCCB											
Panel "MDP": 150A single phase PANEL, 3 holes (with grounding termination) enclosed in NEMA-3R enclosure	1	set									
MAIN : 150AT/100AF,2P,10KAIC, at 240V MCCB											
SERVICE DISCONNECTING MEANS: 200AMP CAPACITY, 2 POLE, ENCLOSED IN NEMA 3R ENCLOSURE	1	set									
Lighting fixtures											
7 watts led bulb in circular pinlight (6 inc	25	set									
2x40 watts led tube in louver type surface mount lighting fixture 12"x48"	25	set									
1x40 watts led tube in louver type surface mount lighting fixture 7"x48"	17	set									
3 watts led bulb in square pinlight	6	set									
9 watts canopy lighting fixture (cylindrical)	10	set									
18 watts tircolor dimmable circular lighting fixture	7	set									
2 x 6 watts emergency light with battery b	8	set									

				UNIT COST		TOTAL UNIT	TOTAL	OVERHEAD/ CONT			TOTAL
DESCRIPTION	QTY	UNIT	MATERIALS	LABOR	TOOLS/EQ UIP	DIRECT	AMOUNT (DC)	MISCEL	TAX	PROFIT	BID AMOUNT
R. Doors and Windows (Ground Floor)	includin	g front v	vindows at Sec	cond Floor							
Flush Doors with Jambs	4	panel									
Door Knobs	4	pcs									
4" x 4" HD Loose Pin Hinges	6	pairs									
W1	7	set									
W2	6	set									
W3	1	set									
W4	3	set									
Aluminum Swing Doors 2 bays complete with locks and Accessories	1	pcs									
T. Ceiling Frames and Boards											
Hardiflex Lite	250	pcs									
0.30m X 2.40m Hardiflfex Fascia	11	pcs									
2mm thk x 6" x 6 meters C Purlins	9	pcs									
0.40mm x 5m Double Furring	1250	pcs									
1.0mm x 5m carrying channel	120	pcs									
W purring Clip	3750	pcs									
Hard Screw	8000	pcs									
Fan Head Screw	800	pcs									
Blind Rivets 5-3/2 x 1/2	10	box									
u. Painting											
Flat Latex, Boysen	70	gals									
Semi Gloss Latex, Boysen	140	gals									
Flat Wall Enamel, Boysen	4	gals									
Quick Dry Enamel, Boysen	8	gals									
Acrytex Cast, Boysen	10	gals									

DESCRIPTION	QTY	UNIT	T UNIT COST			TOTAL UNIT	TOTAL	OVERHEAD/ CONT TAX	TAV	PROFIT	TOTAL
DESCRIPTION	QII	ONII	MATERIALS	LABOR	TOOLS/EQ UIP	DIRECT	AMOUNT (DC)	MISCEL	IAX	PROFII	BID AMOUNT
Skim Coat	60	bags									
Tinting Color, Latex	40	cans									
Roller Brush 7" with Handle	20	pcs									
Paint Brush 2"	12	pcs									
Sand Paper	200	pcs									
			TOTAL PROJECT COST								-

SUBMITTED BY: