

PROGRAM OF WORKS DETAILED COST ESTIMATE

PROJECT: Repair, Rehabilitation and Retrofitting of various DepEd Central Office Buildings (Rizal & Alonzo- Lot 1)

LOCATION: DepED Complex, Meralco Avenue, Pasig City

OWNER: DEPARTMENT OF EDUCATION

CONTRACT DURATION:

ITEM NO.	ITEM DESCRIPTION	QTY	UNIT	UNIT DIRECT COST	ESTIMATED DIRECT COST (PHP)	MARK-UPS		TOTAL MARK-UP		VAT (PHP)	TOTAL INDIRECT COST (PHP)	ADJUSTED TOTAL COST (PHP)	ADJUSTED UNIT COST
						OCM (%)	PROFIT (%)	%	VALUE (PHP)				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
					(3 x 5)			(7+8)	(6 x 9)	5% (6+10)	(10+11)	(6+12)	(13/3)
A. General Requirements													
a.1	Mobilization / Demobilization /Temporary Facilities	1.00	lot										
a.2	Project Billboard	1.00	each										
a.3	Construction Safety and Health	1.00	lot										
Part I - Repair and Rehabilitation													
B. Removal Works													
b.1	Removal of Existing Cement Tile Roofing (Tegula) & Roofing Sheets	4,749.00	sq.m										
b.2	Removal of Existing Wooden Batten Support	3,392.84	sq.m										
b.3	Removal of Existing 1/2" thick Plyboard Backing	3,392.84	sq.m										
b.4	Removal of Damaged Trusses and Members	10,574.00	kgs										
b.5	Removal of Existing Ceiling and Frames	5,130.96	sq.m										
b.6	Removal of Existing Drainage (e.g. Downspouts and existing catch basin)	1.00	lot										
b.7	Removal of Existing Gutter, Ridge Roll and Flashing	327.00	pc										
b.8	Removal of Existing Tiles and Vinyl	4,384.25	sq.m										
b.9	Removal of existing railing at footbridge	1.00	lot										
b.10	Removal of Existing Concrete Walls and Existing Partition Walls	1,952.10	sq.m										
b.11	Removal of Existing sanitary fixtures, sewer line and waterline (Alonzo common CRs, Lounge, ICO, OD-Admin Service, Field Operations, HROD and Legislative Affairs)	1.00	lot										
C. Hauling and Clearing Works													

c.1	Clearing and Hauling of Debris (Non-Usable Materials)	1.00	lot																	
c.2	Hauling of salvaged material to kasipagan area - Usable Materials (Beside DepEd Complex)	1.00	lot																	
D.	Steel Works																			
d.1	Railing at Footbridge	1.00	lot																	
d.2	Truss at VIP Lounge	1.00	lot																	
E.	Roofing Works																			
e.1	Long-span Metal Roofing and Shingles	4,777.62	sq.m																	
F.	Earthworks																			
f.1	Earthworks (Structural Excavation, Backfilling and Compaction)	5.27	cu.m																	
G.	Concreting Works																			
g.1	Concreting Works	7.83	cu.m																	
H.	Rebar Works																			
h.1	Rebar Works	870.33	kgs																	
I.	Form Works																			
i.1	Form Works	29.70	sq.m																	
J.	Masonry Works																			
j.1	Masonry Works	559.75	sq.m																	
K.	Doors and Windows																			
k.1	Doors and Windows at Lounge and Doors at Offices	1.00	lot																	
k.2	Refurbishment/Repair of damaged Exterior Windows and Entrance/Exit Glass Doors of Alonzo and Rizal Bldg	1.00	lot																	
L.	Miscellaneous																			
l.1	Miscellaneous at Lounge	1.00	lot																	
M.	Furniture																			
m.1	Furniture at Lounge	1.00	lot																	
N.	Interior Finishes																			
n.1	Interior Finishes	119.52	sq.m																	
O.	Carpentry Works																			
o.1	Installation of New Ceiling	5,130.96	sq.m																	
o.2	Installation of Dry Wall Partition Walls	2,169.12	sq.m																	
P.	Electrical Works																			
p.1	Conduit, Boxes and Fitting	1.00	lot																	
p.2	Wires and Wiring Devices	1.00	lot																	
p.3	Lighting Fixture / Fixture	1.00	lot																	
Q.	Plumbing and Sanitary Works																			
q.1	Drainage Line Works	1.00	lot																	
q.2	Water Line Works	1.00	lot																	
q.3	Sewer Line Works	1.00	lot																	
q.4	Fixtures, Partitions and Accessories	1.00	lot																	
R.	Painting Works																			
r.1	Painting	14,120.50	sq.m																	
r.2	Scaffolding	738.00	set																	

S.	Tile Works												
s.1	Installation of Tiles and Vinyl	4,384.25	sq.m										
s.2	Restoration of Existing Clay/Brick Tile and Pebble Washout Floor finish at RiLonzo Lobby	570.00	sq.m										
Part II - Retrofitting													
T.	Dismantling, Restoration / Re-installation Works												
t.1	Dismantling, Restoration / Re-installation Works	1,157.01	sq.m										
U.	Earthworks												
u.1	Structural Excavation	1,016.01	cu.m										
u.2	Backfilling and Compaction	867.82	cu.m										
u.3	Gravel Bedding	19.44	cu.m										
V.	Surface Preparation												
v.1	Surface Preparation	2,349.73	sq.m										
W.	Concreting Works and Plastering												
w.1	Concreting Works	337.73	cu.m										
w.2	Plastering	2,349.73	sq.m										
X.	Rebar Works												
x.1	Rebar Works	53,374.23	kgs										
x.2	Application of structural epoxy anchoring adhesive	187.36	sq.m										
Y.	Form Works												
y.1	Form Works	913.50	sq.m										
Z.	Steel Works												
z.1	Structural Steel (For Columns and Beams including application of anti-corrosion and structural concrete adhesive)	63,012.94	kgs										
z.2	Structural Steel (Additional Steel Plates and Bracing on Steel Trusses and Additional Support on Column-Truss Joint Connection)	10,574.00	kgs										

Total Estimated Direct Cost =

Total Construction Cost =

Signed by:

Name and Signature of Bidder's
Authorized Representative

Position

Name of Bidder

Date

PROGRAM OF WORKS DETAILED COST ESTIMATE

PROJECT: Repair, Rehabilitation and Retrofitting of various DepEd Central Office Buildings (Bonifacio Bldg - Lot 2)

LOCATION: DepED Complex, Meralco Avenue, Pasig City

OWNER: DEPARTMENT OF EDUCATION

CONTRACT DURATION:

ITEM NO.	ITEM DESCRIPTION	QTY	UNIT	UNIT DIRECT COST	ESTIMATED DIRECT COST (PHP)	MARK-UPS		TOTAL MARK-UP		VAT (PHP)	TOTAL INDIRECT COST (PHP)	ADJUSTED TOTAL COST (PHP)	ADJUSTED UNIT COST
						OCM (%)	PROFIT (%)	%	VALUE (PHP)				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
					(3 x 5)			(7+8)	(6 x 9)	5% (6+10)	(10+11)	(6+12)	(13/3)
A. General Requirements													
a.1	Mobilization / Demobilization /Temporary Facilities	1.00	lot										
a.2	Project Billboard	1.00	each										
a.3	Construction Safety and Health	1.00	lot										
Part I - Repair and Rehabilitation													
B. Removal Works													
b.1	Removal of Existing Roofing Sheets (Damaged), Gutter, Flashing and Fascia board	64.99	sq.m										
b.2	Removal of Existing Ceiling and Frames (@ Eaves, 5th floor corridor, 4th floor offices, and at Comfort rooms from GF-5th Flr)	1,768.98	sq.m										
b.3	Removal of Existing Trench Drain	98.60	l.m										
b.4	Removal of Existing Tiles (Grd-5th flr common comfort rooms, Grd-4th flr offices, Fixtures and Pipes at common CRs from GF-5th Flr)	5,757.00	sq.m										
b.5	Removal of Existing Walls/Dry Walls @ CRs	1.00	lot										
b.6	Removal of existing flooring (5th floor) and damaged floor joist	756.00	sq.m										
b.7	Removal of existing windows (grd-5th floor)	14,642.41	sq.ft										
C. Hauling and Clearing Works													
c.1	Clearing and Hauling of Debris (Non-Usable Materials)	1.00	lot										
c.2	Hauling of salvaged material to kasipagan area - Usable Materials (Beside DepEd Complex)	1.00	lot										
D. Roofing Works													

d.1	Long-span Metal Roofing	192.40	sq.m																
E.	Steel Works																		
e.1	Truss at Utility deck (including provision of access to utility deck)	1.00	lot																
F.	Carpentry Works																		
f.1	Ceiling Carpentry (Eaves, corridor of 5th Flr, 4th floor Offices, Comfort rooms from GF-5th flr)	1,768.98	sq.m																
G.	Repair of Flooring (5th floor)																		
g.1	Installation of new flooring and replacement of damaged floor joist	756.00	sq.m																
H.	Electrical Works																		
h.1	Conduit, Boxes and Fitting	1.00	lot																
h.2	Wires and Wiring Devices	1.00	lot																
h.3	Lighting Fixture / Fixture	1.00	lot																
I.	Plumbing and Sanitary Works																		
i.1	Drainage Line Works	1.00	lot																
i.2	Water Line Works	1.00	lot																
i.3	Sewer Line Works	1.00	lot																
i.4	Fixtures, Partitions and Accessories	1.00	lot																
i.5	Rain Water Collector	1.00	lot																
J.	Windows																		
j.1	Windows	14,642.41	sq.ft																
K.	Painting Works																		
k.1	Painting	14,202.23	sq.m																
L.	Tile Works																		
l.1	Tile Works (at common Cr's Floors & Walls from Grd-5th Flr, and Grd-4th floor offices)	5,757.00	sq.m																
Part II - Retrofitting																			
M.	Dismantling, Restoration / Re-installation Works																		
m.1	Acoustic Ceiling (2nd, 3rd, 4th and 5th floor)	1,354.50	sq.m																
m.2	Surface Preparation For Repair of Crack & Spalling Concrete	4.90	sq.m																
m.3	Repair of Crack (Plastering with Paint finish) - Slab and Walls	49.00	l.m																
m.4	Spalling Concrete (Slab-Canopy and Beam)	342.35	sq.m																
m.5	CHB/Partition/Glass Partition to be Chipped off (Totally Wrapped CFRP) - Grd, 2nd, 3rd and 4th floor	62.64	sq.m																
m.6	Chipping-off Existing Concrete Slab/ CHB Wall to Expose Existing Rebars/ Plaster-Grd to 4th floor	954.60	sq.m																
N.	Retrofitting of Columns																		
n.1	Surface Preparation	1,162.66	sq.m																

n.2	Application of Carbon Fiber Reinforcement (t=.333mm, Wt=600gsm)-Grd, 2nd, 3rd and 4th floor	1,146.24	sq.m											
n.3	Application of Steel Jacketing (Fy=248 MPa)-Grd floor	459.30	kgs											
O.	Retrofitting of Beams													
o.1	Surface Preparation	3,140.95	sq.m											
o.2	Application of Carbon Fiber Reinforcement (t=.333mm, Wt=600gsm)-2nd, 3rd, 4th and 5th floor	1,822.65	sq.m											
o.3	Application of Steel Jacketing (Fy=248 MPa)-2nd, 3rd and 4th floor	64,584.15	kgs											
P.	Retrofitting of Slab													
p.1	Additional support for flooring system on 5th Floor	17,767.80	kgs											
Q.	Retrofitting of I-Beams													
q.1	Additional Steel Plates for I-beams	15,531.75	kgs											
R.	Retrofitting of Footing													
r.1	Surface Preparation	488.46	sq.m											
r.2	Excavation, Backfilling and Compaction	693.64	cu.m											
r.3	Concreting	103.40	cu.m											
r.4	Steel Reinforcement	8,755.19	kgs											
r.5	Injectable Mortar	526.00	pcs											
S.	Repair of Fire Exits and Damaged Railings													
s.1	Repair of Fire Exits	1.00	lot											
s.2	Repair of damaged railing at corridors (Grd-5th flr)	1.00	lot											
T.	Scaffolding													
t.1	Scaffolding	1.00	lot											
Total Estimated Direct Cost =														
Total Construction Cost =														

Signed by:

Name and Signature of Bidder's
Authorized Representative

Position

Name of Bidder

Date