

PROGRAM OF WORKS BILL OF QUANTITIES

PROJECT:

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

OWNER: DEPARTMENT OF EDUCATION

LOCATION: DepED Complex, Meralco Avenue, Pasig City

Date:

Budget Allocation: 83,991,746.42

Engineering and Administrative Overhead:

Approved Budget for Contract: 83,991,746.42

Completion Period:

Minimum Required Manpower:

Project Engineer Electrician Painter Helper

General Foreman Carpenter Laborer

Mason Plumber Welder

Minimum Required Equipment:

Power Tools

ITEM NO.	ITEM DESCRIPTION	% of Total	UNIT	Quantity	Direct Cost		Adjusted Unit Cost	Adjusted Total Cost
					Estimated Direct Cost	Unit Direct Cost		
(1)	(2)	(3)	(4)	(5)	(6)	(7) (6)/(5)	(8) (9)/(5)	(9)
A. General Requirements								
a.1	Mobilization / Demobilization /Temporary Facilities		lot	1.00				
a.2	Project Billboard		each	1.00				
a.3	Construction Safety and Health		lot	1.00				
Part I - Repair and Rehabilitation								
B. Removal Works								
b.1	Removal of Existing Roofing Sheets (Damaged), Gutter, Flashing and Fascia board		sq.m	64.99				

b.2	Removal of Existing Ceiling and Frames (@ Eaves, 5th floor corridor, 4th floor offices, and at Comfort rooms from GF-5th Flr)	sq.m	1,768.98				
b.3	Removal of Existing Trench Drain	l.m	98.60				
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)	sq.m	5,757.00				
b.5	Removal of Existing Walls/Dry Walls @ CRs	lot	1.00				
b.6	Removal of existing flooring (5th floor) and damaged floor joist	sq.m	756.00				
b.7	Removal of existing windows (grd-5th floor)	sq.ft	14,642.41				
C.	Hauling and Clearing Works						
c.1	Clearing and Hauling of Debris (Non-Usable Materials)	lot	1.00				
c.2	Hauling of salvaged material to kasipagan area - Usable Materials (Beside DepEd Complex)	lot	1.00				
D.	Roofing Works						
d.1	Long-span Metal Roofing	sq.m	192.40				
E.	Steel Works						
e.1	Truss at Utility deck (including provision of access to utility deck)	lot	1.00				
F.	Carpentry Works						
f.1	Ceiling Carpentry (Eaves, corridor of 5th Flr, 4th floor Offices, Comfort rooms from GF-5th flr)	sq.m	1,768.98				
G.	Repair of Flooring (5th floor)						
g.1	Installation of new flooring and replacement of damaged floor joist	sq.m	756.00				
H.	Electrical Works						
h.1	Conduit, Boxes and Fitting	lot	1.00				
h.2	Wires and Wiring Devices	lot	1.00				
h.3	Lighting Fixture / Fixture	lot	1.00				
I.	Plumbing and Sanitary Works						
i.1	Drainage Line Works	lot	1.00				
i.2	Water Line Works	lot	1.00				

i.3	Sewer Line Works		lot	1.00				
i.4	Fixtures, Partitions and Accessories		lot	1.00				
i.5	Rain Water Collector		lot	1.00				
J.	Windows							
j.1	Windows		sq.ft	14,642.41				
K.	Painting Works							
k.1	Painting		sq.m	14,202.23				
L.	Tile Works							
l.1	Tile Works (at common Cr's Floors & Walls from Grd-5th Flr, and Grd-4th floor offices)		sq.m	5,757.00				
Part II - Retrofitting								
M.	Dismantling, Restoration / Re-installation Works							
m.1	Acoustic Ceiling (2nd, 3rd, 4th and 5th floor)		sq.m	1,354.50				
m.2	Surface Preparation For Repair of Crack & Spalling Concrete		sq.m	4.90				
m.3	Repair of Crack (Plastering with Paint finish) - Slab and Walls		l.m	49.00				
m.4	Spalling Concrete (Slab-Canopy and Beam)		sq.m	342.35				
m.5	CHB/Partition/Glass Partition to be Chipped off (Totally Wrapped CFRP) - Grd, 2nd, 3rd and 4th floor		sq.m	62.64				
m.6	Chipping-off Existing Concrete Slab/ CHB Wall to Expose Existing Rebars/ Plaster-Grd to 4th floor		sq.m	954.60				
N.	Retrofitting of Columns							
n.1	Surface Preparation		sq.m	1,162.66				
n.2	Application of Carbon Fiber Reinforcement (t=.333mm, Wt=600gsm)-Grd, 2nd, 3rd and 4th floor		sq.m	1,146.24				
n.3	Application of Steel Jacketing (Fy=248 MPa)-Grd floor		kgs	459.30				
O.	Retrofitting of Beams							
o.1	Surface Preparation		sq.m	3,140.95				
o.2	Application of Carbon Fiber Reinforcement (t=.333mm, Wt=600gsm)-2nd, 3rd, 4th and 5th floor		sq.m	1,822.65				

o.3	Application of Steel Jacketing (Fy=248 MPa)- 2nd, 3rd and 4th floor		kgs	64,584.15				
P.	Retrofitting of Slab							
p.1	Additional support for flooring system on 5th Floor		kgs	17,767.80				
Q.	Retrofitting of I-Beams							
q.1	Additional Steel Plates for I-beams		kgs	15,531.75				
R.	Retrofitting of Footing							
r.1	Surface Preparation		sq.m	488.46				
r.2	Excavation, Backfilling and Compaction		cu.m	693.64				
r.3	Concreting		cu.m	103.40				
r.4	Steel Reinforcement		kgs	8,755.19				
r.5	Injectable Mortar		pcs	526.00				
S.	Repair of Fire Exits and Damaged Railings							
s.1	Repair of Fire Exits		lot	1.00				
s.2	Repair of damaged railing at corridors (Grd- 5th flr)		lot	1.00				
T.	Scaffolding							
t.1	Scaffolding		lot	1.00				
	TOTAL CONSTRUCTION COST		%				Php	

Signed by:

Name and Signature of Bidder's Authorized
Representative

Position

Name of Bidder

Date