

**PROJECT : Retrofitting Works for Supreme Court-Court of Appeals Building**  
**Location : Court of Appeals Compound**

**SUMMARY OF COST**

- I      **GENERAL REQUIREMENTS** \_\_\_\_\_
- II     **SITWORKS** \_\_\_\_\_
- III    **STRUCTURAL RETROFIT** \_\_\_\_\_
- IV    **CRACKS (Structural Epoxy)** \_\_\_\_\_
- V     **OTHERS** \_\_\_\_\_

**GRAND TOTAL COST P** \_\_\_\_\_

PROJECT: : **Retrofitting Works for Supreme Court-Court of Appeals Building**  
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**BILL OF MATERIALS AND COST ESTIMATES**

Item	Description	Quantity	Units	Unit Cost	Amount
<b>I</b>	<b>GENERAL REQUIREMENTS</b>				
1.1	Mobilization & Demobilization Fee	1.00	Lot	_____	_____
1.2	Temporary Facilities	1.00	Lot	_____	_____
1.3	Health & Safety	1.00	Lot	_____	_____
1.4	Bonds & Insurances	1.00	Lot	_____	_____
1.5	Shop Drawings & As-built Plans	1.00	Lot	_____	_____
				Sub-total	_____
<b>II</b>	<b>SITWORKS</b>				
2.1	Removal of Architectural Finishes	1.00	Lot	_____	_____
2.2	Removal of Plastering	1.00	Lot	_____	_____
2.3	Grinding Works	1.00	Lot	_____	_____
2.4	Install Scaffolds & Safety Nets @ Façade	1.00	Lot	_____	_____
2.5	Ground Slab Excavation	1.00	Lot	_____	_____
				Sub-total	_____
<b>III</b>	<b>STRUCTURAL RETROFIT</b>				
	- Carbon Fiber Reinforced Polymer 30 gsm MaxiCarb				
	- Carbon Fiber Reinforced Polymer 50mm x 1.2mm Carboplate				
	- Supply & installation of CRFP including fixing accessories, usage of tools and equipment to complete the work				
3.1	<b>Foundation</b>				
a.	Column Retrofitting (RC-1) Double Layer Wrapped Around Full Length	35.42	Sq. M.	_____	_____
b.	Column Retrofitting (RC-1) 8 pcs 50mm x 1.2mm thk. Carboplate	30.80	Mtrs.	_____	_____
c.	Structural Epoxy	34.00	Gals.	_____	_____
d.	Consummables	1.00	Lot	_____	_____
3.2	<b>2nd Floor</b>				
a.	Column Retrofitting (RC-1) Double Layer Wrapped Around Full Length	25.76	Sq. M.	_____	_____
b.	Column Retrofitting (RC-1) 8 pcs 50mm x 1.2mm thk. Carboplate	22.40	Mtrs.	_____	_____
c.	Structural Epoxy	25.00	Gals.	_____	_____
d.	Consummables	1.00	Lot	_____	_____
3.3	<b>Lower 3rd Floor</b>				
a.	Column Retrofitting (RC-1) Double Layer Wrapped Around Full Length	25.76	Sq. M.	_____	_____
b.	Column Retrofitting (RC-1) 8 pcs 50mm x 1.2mm thk. Carboplate	22.40	Mtrs.	_____	_____
c.	Structural Epoxy	25.00	Gals.	_____	_____
d.	Consummables	1.00	Lot	_____	_____
3.4	<b>Upper 3rd Floor</b>				
a.	Column Retrofitting (RC-1) Double Layer Wrapped Around Full Length	25.76	Sq. M.	_____	_____
b.	Column Retrofitting (RC-1) 8 pcs 50mm x 1.2mm thk. Carboplate	22.40	Mtrs.	_____	_____
c.	Structural Epoxy	25.00	Gals.	_____	_____
d.	Consummables	1.00	Lot	_____	_____
3.5	<b>Lower 4th Floor</b>				
a.	Column Retrofitting (RC-1)	25.30	Sq. M.	_____	_____

## BILL OF MATERIALS AND COST ESTIMATES

Item	Description	Quantity	Units	Unit Cost	Amount
	Double Layer Wrapped Around Full Length				
b.	Column Retrofitting (RC-1) 8 pcs 50mm x 1.2mm thk. Carboplate	22.00	Mtrs.	_____	_____
c.	Structural Epoxy	24.00	Gals.	_____	_____
d.	Consummables	1.00	Lot	_____	_____
<b>3.6</b>	<b>Upper 4th Floor</b>				
a.	Column Retrofitting (RC-1) Double Layer Wrapped Around Full Length	25.30	Sq. M.	_____	_____
b.	Column Retrofitting (RC-1) 8 pcs 50mm x 1.2mm thk. Carboplate	22.00	Mtrs.	_____	_____
c.	Structural Epoxy	24.00	Gals.	_____	_____
d.	Consummables	1.00	Lot	_____	_____
<b>3.7</b>	<b>5th Floor</b>				
a.	Column Retrofitting (RC-1) Double Layer Wrapped Around Full Length	25.30	Sq. M.	_____	_____
b.	Column Retrofitting (RC-1) 8 pcs 50mm x 1.2mm thk. Carboplate	22.00	Mtrs.	_____	_____
c.	Structural Epoxy	24.00	Gals.	_____	_____
d.	Consummables	1.00	Lot	_____	_____
				Sub-total	_____
<b>IV</b>	<b>CRACKS (Structural Epoxy)</b>				
	- Application of all cracks identified in the Structural Assessment & Investigation Report by the Structural Engineer, including exposed & deteriorating rebars				
a.	Structural Epoxy	120.00	gals.	_____	_____
b.	Consummables	1.00	lot	_____	_____
				Sub-total	_____
<b>V</b>	<b>OTHERS</b>				
5.1	Restoration of Plastering (Including Façac	1.00	lot	_____	_____
5.2	Restoration of Painting (Including Façade	1.00	lot	_____	_____
5.3	Slab Restoration	0.30	cu. m.	_____	_____
5.4	Tiling Works	2.00	sq. m.	_____	_____
5.6	Consummables	1.00	lot	_____	_____
				Sub-total	_____

**GRAND TOTAL COST P** \_\_\_\_\_

Project duration: Sixty (60) Calendar Days

**PROJECT: : Retrofitting Works for Supreme Court-Court of Appeals Bldngs.**  
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## **SCOPE OF WORK**

### **I GENERAL REQUIREMENTS**

- 1.1 Mobilization & Demobilization Fee
- 1.2 Temporary Facilities
- 1.3 Health & Safety
- 1.4 Bonds & Insurances
- 1.5 Shop Drawings & As-built Plans

### **II SITEWORKS**

- 2.1 Removal of Architectural Finishes
- 2.2 Removal of Plastering
- 2.3 Grinding Works
- 2.4 Install Scaffolds & Safety Nets @ Façade
- 2.5 Ground Slab Excavation

### **III STRUCTURAL RETROFIT**

- **Carbon Fiber Reinforced Polymer 30 gsm MaxiCarb**
- **Carbon Fiber Reinforced Polymer 50mm x 1.2mm Carboplate**
- **Supply & installation of CRFP including fixing accessories, usage of tools and equipment to complete the work**

#### **3.1 Foundation**

- a. Column Retrofitting (RC-1)  
Double Layer Wrapped Around  
Full Length
- b. Column Retrofitting (RC-1)  
8 pcs 50mm x 1.2mm thk. Carboplate
- c. Structural Epoxy
- d. Consummables

#### **3.2 2nd Floor**

- a. Column Retrofitting (RC-1)  
Double Layer Wrapped Around  
Full Length
- b. Column Retrofitting (RC-1)  
8 pcs 50mm x 1.2mm thk. Carboplate
- c. Structural Epoxy
- d. Consummables

#### **3.3 Lower 3rd Floor**

- a. Column Retrofitting (RC-1)  
Double Layer Wrapped Around  
Full Length
- b. Column Retrofitting (RC-1)  
8 pcs 50mm x 1.2mm thk. Carboplate
- c. Structural Epoxy
- d. Consummables

#### **3.4 Upper 3rd Floor**

- a. Column Retrofitting (RC-1)  
Double Layer Wrapped Around  
Full Length
- b. Column Retrofitting (RC-1)  
8 pcs 50mm x 1.2mm thk. Carboplate
- c. Structural Epoxy

## SCOPE OF WORK

- d. Consummables
- 3.5 **Lower 4th Floor**
  - a. Column Retrofitting (RC-1)  
Double Layer Wrapped Around  
Full Length
  - b. Column Retrofitting (RC-1)  
8 pcs 50mm x 1.2mm thk. Carboplate
  - c. Structural Epoxy
  - d. Consummables
- 3.6 **Upper 4th Floor**
  - a. Column Retrofitting (RC-1)  
Double Layer Wrapped Around  
Full Length
  - b. Column Retrofitting (RC-1)  
8 pcs 50mm x 1.2mm thk. Carboplate
  - c. Structural Epoxy
  - d. Consummables
- 3.7 **5th Floor**
  - a. Column Retrofitting (RC-1)  
Double Layer Wrapped Around  
Full Length
  - b. Column Retrofitting (RC-1)  
8 pcs 50mm x 1.2mm thk. Carboplate
  - c. Structural Epoxy
  - d. Consummables

### IV **CRACKS (Structural Epoxy)**

- **Application of all cracks identified in the Structural Assessment & Investigation Report by the Structural Engineer including exposed & deteriorating rebars**
  - a. Structural Epoxy
  - b. Consummables

### V **OTHERS**

- 5.1 Restoration of Plastering (Including Façade)
- 5.2 Restoration of Painting (Including Façade)
- 5.3 Slab Restoration
- 5.4 Tiling Works
- 5.6 Consummables

**Project: Retrofitting Works for Supreme Court-Court of Appeals Bldngs.**

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**LIST OF KEY PERSONNEL PROPOSED TO BE ASSIGNED TO THE CONTRACT**

Business Name: \_\_\_\_\_

Business Address: \_\_\_\_\_

	<b>Project Manager (5 Years)</b>	<b>Project Engineer (5 Years)</b>	<b>Foreman (3 Years)</b>
1.Name			
2.Address			
3.Date of Birth			
4.Experience			
5.Previous Employment			
6.Education			
7.PRC License			
8.Cost of Biggest Project Handled			
9.Years of Experience in the Proposed Position			

**Position Note: 1.0 This List must be supported by individual resumes of all personnel and photocopy of PRC Licenses of the Project Manager and Engineers.**

**2.0 Project Engineer & Foreman should have experienced in Retrofitting Works using Carbon Fiber Reinforced Polymer (CFRP)**

Submitted by :  
Designation :  
Date :

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**List of Equipment, Owned or Leased and/or under Purchase Agreements, Pledged to the Proposed Contract**

Business Name : \_\_\_\_\_

Business Address : \_\_\_\_\_

Description	Model/Year	Capacity / Performance / Size	Plate No.	Motor No. / Body No.	Location	Condition	Proof of Ownership / Lessor or Vendor
i. Grinders							
iii. H-Frames/Scaffoldings							

Submitted by :

Designation :

Date :