



Name of the work:- Estimate for Repairing, Renovation & Painting of CID, Assam Type Building & part of FPB RCC Top Floor at CID HQ.

Estimated Amount of Rs.

Report:-

This estimate amounting to Rs. (Rupees) only has been framed to show the probable cost for the above noted work.

This estimate has been prepared as per letter No. E-VII/134-17/CID/1316, Dt. 21.10.2019 from SP, CID, Assam.

In this estimate, the following items of work have been made as per requirement of site.

1. Barze Board.
2. Painting of wall, ceiling, door/windows except roof painting.
3. Repairing of drain and plinth protection works.
4. Misc.

This estimate has been prepared on the basis of A.P.W.D. Building schedule of rates for the year 2013-14, current in the state.

Name of the work:- Estimate for repairing and painting of CID Office at Cid hqr, Assam, Ulubari, Guwahati (Assam Type and part of RCC top floor)

Item No. 2/9.4.1:- Providing barze board of size 200 m x 20 mm with 1st class local wood Hollock/Bonsum timber including fitting & lining with necessary wood screws:-

$$\begin{aligned}\text{Barze Board:- } 2 \times 39.30 &= 78.60 \text{ m} \\ 2 \times 2 \times 8.62 &= 34.48 \text{ m} \\ \text{T} &= 113.08 \text{ m}\end{aligned}$$

Item No. 2/13.6.3:- Applying priming coat over new wood/old wood based surfaces over 100 mm in width/girth after and including prepaing the surface by thoroughly cleaning oil, grease, dirt and other foreign matter etc.

b) with ready mixed paint, wood primer white

$$\begin{aligned}\text{Door:- } (13 \times 2 \frac{1}{2}) \times 1.10 \times 2.10 &= 75.08 \text{ m}^2 \\ (4 \times 2 \frac{1}{2}) \times 0.95 \times 2.10 &= 19.95 \text{ m}^2 \\ (2 \times 2 \frac{1}{2}) \times 0.80 \times 2.10 &= 8.40 \text{ m}^2\end{aligned}$$

$$\begin{aligned}\text{F. Glass window:- } (32 \times 1 \frac{1}{2}) \times 1.00 \times 1.35 &= 64.80 \text{ m}^2 \\ (1 \times 1 \frac{1}{2}) \times 1.40 \times 1.35 &= 2.84 \text{ m}^2\end{aligned}$$

$$\begin{aligned}\text{CW} &:- (32 \times 1 \frac{1}{2}) \times 0.95 \times 0.50 = 22.80 \text{ m}^2 \\ &:- (1 \times 1 \frac{1}{2}) \times 1.20 \times 0.50 = 0.90 \text{ m}^2\end{aligned}$$

$$\begin{aligned}\text{HW} &:- (1 \times 1 \frac{1}{2}) \times 1.20 \times 0.50 = 0.90 \text{ m}^2 \\ &:- (3 \times 1 \frac{1}{2}) \times 0.60 \times 0.50 = 1.35 \text{ m}^2\end{aligned}$$

$$\text{Co} = 196.12 \text{ m}^2$$

Partition Wall (Ply):-

$$\begin{aligned}\text{Cell-II} &:- (1 \times 2 \frac{1}{2}) \times 3.35 \times 2.45 = 20.52 \text{ m}^2 \\ &:- (1 \times 2 \frac{1}{2}) \times 2.65 \times 2.45 = 16.23 \text{ m}^2 \\ \text{Photography Cell} &:- (1 \times 2 \frac{1}{2}) \times 3.30 \times 3.10 = 25.58 \text{ m}^2 \\ &:- (1 \times 2 \frac{1}{2}) \times 3.10 \times 3.10 = 24.03 \text{ m}^2 \\ \text{Cell-(XII \& XI)} &:- (1 \times 2 \frac{1}{2}) \times 8.50 \times 2.70 = 57.38 \text{ m}^2 \\ \text{(RCC)} &:- (1 \times 2 \frac{1}{2}) \times 4.20 \times 2.70 = 28.35 \text{ m}^2 \\ \text{Cell-XI} &:- (1 \times 2 \frac{1}{2}) \times 4.48 \times 2.70 = 30.24 \text{ m}^2 \\ \text{Cell (XI \& X)} &:- (1 \times 2 \frac{1}{2}) \times 8.50 \times 2.70 = 57.38 \text{ m}^2 \\ \text{B. Board} &:- (2 \times 2) \times 39.35 \times 0.25 = 39.35 \text{ m}^2 \\ &:- (4 \times 2) \times 8.65 \times 0.25 = 17.30 \text{ m}^2 \\ \text{T} &= 512.48 \text{ m}^2\end{aligned}$$

Ann No. 3/13.6.6:-

1) Surface over 100 mm in width/grith.
2) General purpose (Asian/Berger paint)
Qty name as above item No. 2/13.66

Extra over item No. 3/13.6.6 for subsequent coat of paint 1) Surface over 100 mm in width/grith a) General purpose (Asian/Berger paint)
T = 512.48 m @ Rs. 36.90 m²

a) Applying one coat of cement prima of approved brand and manufacture on new/old wall surface after thoroughly brooming the surfaces free from mortar droppings etc.

| | |
|-------------|--|
| Long Wall | $\therefore 2 \times 38.50 \times 3.20 = 246.40 \text{ m}^2$ |
| S. Wall | $\therefore 2 \times 15.70 \times 3.20 = 100.48 \text{ m}^2$ |
| G. Wall | $\therefore 2 \times 2 \frac{1}{2} \times 1.75 \times 15.70 = 27.48 \text{ m}^2$ |
| Plinth Wall | $\therefore 2 \times 15.75 \times 0.70 = 22.05 \text{ m}^2$ |
| | $\therefore 2 \times 38.55 \times 0.70 = 53.97 \text{ m}^2$ |
| | <u>$T = 450.38 \text{ m}^2$</u> |

Deduct window:- $32 \times 1.00 \times 1.35 = -43.20 \text{ m}^2$
 cw:- $32 \times 0.90 \times 0.50 = -14.40 \text{ m}^2$
 open/door :- $192.30 \times 2.45 = -5.63 \text{ m}^2$
 chajja :- $(2 \times 2) \times 39.35 \times 0.40 = 62.96 \text{ m}^2$
 :- $(2 \times 2) \times 15.75 \times 0.40 = 25.20 \text{ m}^2$
 co = 475.31 m^2

A-Type

$$\begin{aligned} 2 \times 3.00 \times 3220 &= 19.20 \text{ m}^2 \\ 1 \times 1.55 \times 3220 &= 4.96 \text{ m}^2 \\ 1 \times 1.15 \times 3.20 &= 3.68 \text{ m}^2 \\ 1 \times 5.25 \times 3.00 &= 15.75 \text{ m}^2 \\ 2 \times 0.95 \times 2.10 &= (-) 3.99 \text{ m}^2 \\ 2 \times 23.35 \times 3.20 &= 149.44 \text{ m}^2 \\ 1 \times 23.35 \times 2.55 &= 59.54 \text{ m}^2 \\ 8 \times 1.10 \times 2.10 &= (-) 18.48 \text{ m}^2 \end{aligned}$$

| | | |
|----------|----|---|
| Ceiling | :- | 1 x 4.75 x 2.90 = 13.78 m ² |
| Ded Door | :- | 1 x 0.95 x 2.10 = (-) 2.00 m ² |
| Win | :- | 3 x 1.00 x 1.35 = (-) 4.05m ² |
| cw | :- | 3 x 0.95 x 0.50 = (-) 1.42 m ² |



Office Chamber:- $2 \times 4.75 \times 3.20 = 30.40 \text{ m}^2$
 $2 \times 2.90 \times 3.20 = 18.56 \text{ m}^2$
 co = 809.64 m²

Ceiling :- $1 \times 4.75 \times 2.90 = 13.78 \text{ m}^2$
 Ded Door :- $1 \times 0.95 \times 2.10 = (-) 2.00 \text{ m}^2$
 :- $1 \times 0.85 \times 2.10 = (-) 1.79 \text{ m}^2$
 Win :- $2 \times 1.00 \times 1.35 = (-) 2.70 \text{ m}^2$
 cw :- $2 \times 0.85 \times 0.48 = (-) 0.82 \text{ m}^2$

Cell SPAC :- $2 \times 6.35 \times 3.20 = 40.64 \text{ m}^2$
 $2 \times 4.75 \times 3.20 = 30.40 \text{ m}^2$
 Ceiling :- $1 \times 6.35 \times 4.75 = 30.16 \text{ m}^2$
 Ded Door :- $1 \times 1.10 \times 2.10 = (-) 2.31 \text{ m}^2$
 Window :- $2 \times 1.00 \times 1.35 = (-) 2.70 \text{ m}^2$
 cw :- $2 \times 0.95 \times 0.50 = (-) 0.95 \text{ m}^2$

Press Cell :- $2 \times 6.35 \times 3.20 = 40.64 \text{ m}^2$
 $2 \times 4.95 \times 3.20 = 31.68 \text{ m}^2$
 Ceiling :- $1 \times 6.35 \times 4.95 = 31.43 \text{ m}^2$
 Ded Door :- $1 \times 1.10 \times 2.10 = (-) 2.31 \text{ m}^2$
 Win :- $2 \times 1.00 \times 1.35 = (-) 2.70 \text{ m}^2$
 cw :- $2 \times 0.95 \times 0.50 = (-) 0.95 \text{ m}^2$

Cell VIII:- $2 \times 6.05 \times 3.20 = 38.72 \text{ m}^2$
 $2 \times 7.80 \times 3.20 = 49.92 \text{ m}^2$

Ceiling :- $1 \times 6.05 \times 7.80 = 47.19 \text{ m}^2$
 Ded Door :- $1 \times 1.10 \times 2.10 = (-) 2.31 \text{ m}^2$
 Win :- $4 \times 1.00 \times 1.35 = (-) 5.40 \text{ m}^2$
 cw :- $4 \times 0.95 \times 0.50 = (-) 1.90 \text{ m}^2$

Cell IV :- $2 \times 6.35 \times 3.20 = 40.64 \text{ m}^2$
 $2 \times 5.95 \times 3.20 = 38.08 \text{ m}^2$
 Ceiling :- $1 \times 6.35 \times 5.95 = 37.78 \text{ m}^2$
 Ded Door :- $1 \times 1.10 \times 2.10 = (-) 2.31 \text{ m}^2$
 Win :- $2 \times 1.00 \times 1.35 = (-) 2.70 \text{ m}^2$
 cw :- $2 \times 0.95 \times 0.50 = (-) 0.95 \text{ m}^2$

Store Cell :- $2 \times 6.05 \times 3.20 = 38.72 \text{ m}^2$
 $2 \times 3.85 \times 3.20 = 24.64 \text{ m}^2$
 Ceiling :- $1 \times 6.05 \times 3.85 = 23.29 \text{ m}^2$
 Ded Door :- $1 \times 1.00 \times 2.10 = (-) 2.31 \text{ m}^2$
 Win :- $1 \times 1.00 \times 1.35 = (-) 1.35 \text{ m}^2$
 cw :- $1 \times 0.95 \times 0.50 = (-) 0.48 \text{ m}^2$
 co = 1328.41 m²

Cell-III :- $2 \times 6.05 \times 3.20 = 38.72 \text{ m}^2$
 $2 \times 3.85 \times 3.20 = 24.64 \text{ m}^2$
 Ceiling :- $1 \times 6.05 \times 3.85 = 23.29 \text{ m}^2$
 Ded Door :- $1 \times 1.10 \times 2.10 = (-) 2.31 \text{ m}^2$
 Win :- $1 \times 1.00 \times 1.35 = (-) 1.35$
 cw :- $1 \times 0.95 \times 0.50 = (-) 0.48 \text{ m}^2$



Cell-VI & VII

(Training &
Dog Squad)

Ceiling

Ded Door

Win

cw

$$:- 2 \times 6.35 \times 3.20 = 40.64 \text{ m}^2$$

$$:- 2 \times 4.10 \times 3.20 = 26.24 \text{ m}^2$$

$$:- 1 \times 6.35 \times 4.10 = 26.04 \text{ m}^2$$

$$:- 1 \times 1.10 \times 2.10 = (-) 2.31 \text{ m}^2$$

$$:- 2 \times 1.00 \times 1.35 = (-) 2.70 \text{ m}^2$$

$$:- 2 \times 0.95 \times 0.50 = (-) 0.95 \text{ m}^2$$

Cell XV 7 Finger

Print

Ceiling

Ded Door

Window

cw

$$:- 2 \times 6.05 \times 3.20 = 38.72 \text{ m}^2$$

$$:- 2 \times 7.35 \times 3.20 = 47.04 \text{ m}^2$$

$$:- 1 \times 6.05 \times 7.35 = 44.47 \text{ m}^2$$

$$:- 2 \times 1.10 \times 2.10 = (-) 4.62 \text{ m}^2$$

$$:- 1 \times 1.40 \times 1.35 = (-) 1.89 \text{ m}^2$$

$$:- 1 \times 1.00 \times 1.35 = (-) 1.35 \text{ m}^2$$

$$:- 1 \times 1.40 \times 0.50 = (-) 0.70 \text{ m}^2$$

$$:- 1 \times 0.95 \times 0.50 = (-) 0.48 \text{ m}^2$$

Store Cell

Ceiling

Ded Door

Window

cw

$$:- 2 \times 6.35 \times 3.20 = 40.64 \text{ m}^2$$

$$:- 2 \times 3.10 \times 3.20 = 19.84 \text{ m}^2$$

$$:- 1 \times 6.35 \times 3.10 = 19.69 \text{ m}^2$$

$$:- 1 \times 1.10 \times 2.10 = (-) 2.31 \text{ m}^2$$

$$:- 1 \times 1.00 \times 1.35 = (-) 1.35 \text{ m}^2$$

$$:- 1 \times 0.95 \times 0.50 = (-) 0.48 \text{ m}^2$$

Misc & Photography

Cell

Ceiling

Ded Door

Window

cw

$$:- 4 \times 12.00 \times 3.20 = 153.60 \text{ m}^2$$

$$:- 2 \times 15.18 \times 3.20 = 97.15 \text{ m}^2$$

$$:- 1 \times 12.00 \times 15.18 = 182.16 \text{ m}^2$$

$$:- 2 \times 1.10 \times 2.10 = (-) 4.62 \text{ m}^2$$

$$:- 10 \times 1.00 \times 1.35 = (-) 13.50 \text{ m}^2$$

$$:- 10 \times 0.95 \times 0.50 = (-) 4.75 \text{ m}^2$$

$$\text{co} = 2105.14 \text{ m}^2$$

Cell-XII

Wall

Ceiling

Post

Beam

Wall

Ded Door

Window

cw

$$:- 2 \times 8.15 \times 3.10 = 50.53 \text{ m}^2$$

$$:- 1 \times 4.70 \times 3.10 = 14.57 \text{ m}^2$$

$$:- 1 \times 8.15 \times 8.90 = 72.54 \text{ m}^2$$

$$:- 3 \times 2 \times 0.45 \times 3.10 = 8.37 \text{ m}^2$$

$$:- 2 \times 4 \times 0.46 \times 3.10 = 11.41 \text{ m}^2$$

$$:- 2 \times 2 \times 8.90 \times 0.40 = 14.24 \text{ m}^2$$

$$:- 2 \times 2 \times 8.10 \times 0.40 = 12.96 \text{ m}^2$$

$$:- 2 \times 1 \times 4.60 \times 3.10 = 28.52 \text{ m}^2$$

$$:- 1 \times 1 \times 4.20 \times 3.10 = 13.02 \text{ m}^2$$

$$:- 1 \times 1.00 \times 2.10 = (-) 2.10 \text{ m}^2$$

$$:- 4 \times 1 \times 3.10 \times 1.85 = (-) 22.94 \text{ m}^2$$

$$:- 2 \times 1 \times 3.10 \times 0.50 = (-) 3.10 \text{ m}^2$$

Cell-XI

Ceiling

Post

Beam

Ded Window

$$:- 1 \times 1 \times 4.50 \times 3.10 = 13.95 \text{ m}^2$$

$$:- 1 \times 8.90 \times 4.50 = 40.05 \text{ m}^2$$

$$:- 2 \times 2 \times 0.45 \times 3.10 = 5.58 \text{ m}^2$$

$$:- 2 \times 1 \times 0.40 \times 4.50 = 3.60 \text{ m}^2$$

$$:- 2 \times 1 \times 0.40 \times 8.90 = 7.12 \text{ m}^2$$

$$:- 1 \times 3.00 \times 1.85 = (-) 5.55 \text{ m}^2$$



| | |
|-------------------------|---|
| 1-X | |
| Ceiling | $\therefore 1 \times 8.90 \times 3.10 = 27.59 \text{ m}^2$ |
| Post | $\therefore 2 \times 4.50 \times 3.10 = 27.90 \text{ m}^2$ |
| Beam | $\therefore 1 \times 8.90 \times 4.50 = 40.05 \text{ m}^2$ |
| | $\therefore 4 \times 2 \times 0.45 \times 3.10 = 11.16 \text{ m}^2$ |
| | $\therefore 2 \times 2 \times 8.90 \times 0.20 = 7.12 \text{ m}^2$ |
| | $\therefore 3 \times 2 \times 4.50 \times 0.20 = 5.40 \text{ m}^2$ |
| Ded Window | $\therefore 3 \times 3.00 \times 1.85 = (-) 16.65 \text{ m}^2$ |
| | T = 2470.48 m ² |
| Add 1% for projection:- | = 24.70 m ² |
| of wall, post, beam etc | |
| | T = 2495.18 m ² |

Item No. 5/13.3.4:- Providing 2(two) coats of Birla White wall care putty both internal & external after removing all loosely materials etc.

1) Thickness:- 1.50 mm

As measured Qty, same as item No. 4/

$$T = 2495.18 \text{ m}^2$$

$$\text{Considering } 1/3 \text{ of the total Qty} = 831.72 \text{ m}^2$$

$$T = 831.73 \text{ m}^2$$

Item No. 6/13.9.1:- Finishing old/new wall with water proofing weather coat smooth anti fungal exterior painting of approved make of Berger Paint of required shade after cleaning and the surface etc. (two coats)

As measured Quality, same as item No. 4/13.2.3a) outside wall only T = 475.31 m²

Item No. 7/13.2.2 h:- Distempering with dry distemper of approval based and manufacture (one coat) and of required shade on above item No. 4/13.2.3a) Inside wall and ceiling etc T = 2015.12

$$T = 2014.11 \text{ m}^2$$

Item No. 8/13.2.2 i:- Extra over item No. 7/13.2.2.h) for distempering every subsequent with distemper of approved brand and manufacture etc.

$$\text{Qty} = 2015.12$$

Item No. 9/19.5:- Providing drain with brick work in cement morta in propn 1:5 with half brick thick side walls and 100 mm thick cc-1:3:6 base over one brick flat soling etc completed.

ii) 300 mm wide and average 250mm deep etc

$$\text{Qty} \therefore 2 \times 1.75 = 3.50 \text{ m}^2$$

$$\therefore 3 \times 1.25 = 3.75 \text{ m}^2$$

$$\therefore 1 \times 2.00 = 2.00 \text{ m}^2$$

$$T = 9.25 \text{ m}^2$$

Item No. 10/19.2:- Providing plinth protection with bricks flat laid in cement morta 1:4 and finished with 15mm thick cement plaster etc.

$$\text{Qty} = 2 \times 1.80 \times 0.90 = 3.24 \text{ m}^2$$

$$= 3 \times 0.90 \times 0.55 = 1.49 \text{ m}^2$$

$$= 2 \times 1.45 \times 0.55 = 1.60 \text{ m}^2$$

$$T = 6.33 \text{ m}^2$$