



# **DETAIL PROJECT REPORT (DPR) FOR WAKCHING NEW MODEL COLLEGE, MON - NAGALAND**

**RASHTRIYA UCHCHTAR SHIKSHAABHIYAN (RUSA)  
12TH FIVE-YEAR PLAN**

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## **RASHTRIYA UACCHATAR SHIKSHA ABHIYAN (RUSA)**

Proposal of the College for Assistance from the RUSA for Financial assistance to New Model College in identified Educationally Backward District

### **Section - I**

Basic Information to determine the Eligibility of a college

#### **1. (a) Name of the college :**

(b) Complete address:

State: [Nagaland](#)  
Pin Code: [798622](#)  
STD Code: [03869](#)  
Fax No.  
Telex No.  
E-mail ID:

(c) Name of the District where the college is located: [Mon](#)

(d) College Bank Name: [Yet to open](#)

(e) Address & Account Number (under which RUSA funds are to be transacted): [Yet to open](#)

#### **2) University to which affiliated:**

[To be affiliated to Nagaland University](#)

#### **3) Nature of management:**

Govt. / Private /University  
[Govt. College](#)

#### **4) Location:**

(i) Whether situated in urban/small/town/rural/remote / hill/border/tribal area (Please attach certificate from BDO/SDO/SDM)

[Small town/remote/ hill/border/tribal area](#)

(ii) Whether located in district where minority population is 25% and (Please attach certificate from BDO/SDO/SDM)

(ii) Number of colleges within a radius of 10 Kilometres: Give category (like Co -Ed, Women's college, etc., and single faculty, Multi-faculty etc.) and enrolment for these colleges

[Nil](#)

#### **5) Courses to be proposed**

[Bachelor of Science \(General and Honours\)](#)

**6) PROFILE OF THE COLLEGE** (Location, Area, Hill Ranges, Rivers, Infrastructure Facilities etc.)

Location: Wakching(Mon)  
Area: 1,786 Sq. Km

**7) PROFILE OF DISTRICT:**

State	District	Total population (in lakhs)	18-23 age population (in lakhs)	GER	Total No. of colleges	College Population Index	Institutional Density
Nagaland	Mon	2.5026	0.32872	*1.21	1	0.399584432	1 Govt. College per 1786 sq km

**8). Type of Area i.e., Rural/Backward /Tribal:**

Educationally backward, Hilly, Rural, Tribal Area.

**9) Educationally Backward Mon District (Details)**

Population Characteristics of Area

Male,

Female

Total

**The district density:**

As per the Census 2011

Description	2011 Census
<b>Total Population</b>	<b>250,260</b>
Male	131,753
Female	118,507
<b>Area Sq. Km</b>	<b>1,786</b>
<b>Density/km2</b>	<b>140</b>
Proportion to Nagaland Population	12.65%
<b>Sex Ratio (Per 1000)</b>	<b>899</b>
<b>Child Sex Ratio (0-6 Age)</b>	<b>912</b>
<b>Average Literacy</b>	<b>56.99</b>
Male Literacy	60.94
Female Literacy	52.58
<b>Total Child Population (0-6 Age)</b>	<b>40,342</b>
Male Population (0-6 Age)	21,099
Female Population (0-6 Age)	19,243
<b>Literates</b>	<b>119,626</b>
Male Literates	67,432
Female Literates	52,194
<b>Child Proportion (0-6 Age)</b>	<b>16.12%</b>
Boys Proportion (0-6 Age)	16.01%
Girls Proportion (0-6 Age)	16.24%

## 10) Buildings Available

No buildings available, all buildings to be newly constructed.

## 11) Buildings required:

Sl. No.	Description of building	No. required	Proposed Area Sq.m	Total Area Sq.m	Justification
1	<b>Block I</b> a. Administration b. Classrooms c. Labs	4 12 5	GF=455 sqm 1F= 438 sqm 2F=438 sqm	1331 sqm	See Sl. No. 12 for justification
2	<b>Block II</b> a. Faculty rooms b. Library c. Computer Centre	5 1 1	GF= 463 sqm 1F=492 sqm	955 sqm	
3	<b>Girl's Hostel (50 Bedded)</b>	1	GF=334 sqm 1F=334 sqm 2F=334 sqm	1002 sqm	
4	<b>Boy's Hostel (50 Bedded)</b>	1	GF=334 sqm 1F=334 sqm 2F=334 sqm	1002 sqm	
5	<b>Toilet Block (4 Nos)</b>	4	30 sqm	120 sqm	
	<b>Total</b>			<b>4410 sqm</b>	

## 12) Justification for the items proposed for construction(Administrative Buildings, Faculty Rooms, Laboratories etc)

Since an all new model college is proposed, the appropriate items based on the need to set it up and get it running with the most minimal of infrastructure is proposed:

### Block I (Administration, Classrooms & Labs)

As per the DPR appraisal of Wakching New Model College, multipurpose hall and canteen have been removed and classrooms & labs allocated more floor area with the aim to meet the minimum floor areas as prescribed in the guidelines. The changes are reflected in the drawings and in the estimates.

### Block II (Faculty rooms, library and computer centre)

Faculty rooms for different departments along with room for Principal and a staff conference room are the minimal items required for faculty. In addition to this, a well-established library with a computer centre is essential in imparting quality education to the students. Hence the necessary floor areas are allocated as per this requirements. Also there is provision for extension of an additional storey/floor for future expansions.

### Hostels (with warden room, Kitchen, Dining & recreational facilities)

In addition, to this, Hostel facilities for boys and girls, especially girls is of paramount importance, hence two 50 bedded hostels with twin shared rooms and common toilets at all floors are provided. The twin shared rooms have been provided with enough area for triple shared rooms should the need to accommodate more students arise. In addition to this, provision for rooms of warden along with kitchen and dining hall and recreational rooms are also allocated floor area. This is to ensure that the hostel meets the complete physical and mental needs of the students in the interior rural area of the district.

### Toilet blocks (4 Nos)

A need for 4 toilet blocks of 30 sqm each is proposed amounting to a total area of 120 sqm. Each toilet block will house separate sub-blocks for both boys girls and boys with separate entrances.

## **13) Certificates to be attached**

- (1) Land allotted Details: Government land
- (2) Ownership of land: Higher Education Department, Government of Nagaland
- (3) Total Area of land: 18 Acres
- (4) Title Deed:

- 1) The Items which has been proposed in Annexure – I kindly give the breakup of the Area (SM) of Administrative Block including Faculty Rooms and Classrooms. Please refer to the guidelines of RUSA.

The earlier proposal has preliminary in nature. The revised proposal submitted is a detailed project report with the final floor plans and detailed cost estimates of construction as per the Schedule of Rates for Wakching, Mon District. Detailed break up of Areas for specific items are given below:

1. Administrative Section	= 201 sqm
2. Classrooms	= 738 sqm
3. Laboratories	= 328 sqm
4. Faculty rooms	= 463 sqm
5. Library	= 390 sqm
6. Computer Centre	= 102 sqm
7. Girls Hostel	= 1002 sqm
8. Boys Hostel	= 1002 sqm
9. Toilet blocks	= 120 sqm
10. Misc	= 124 sqm

- 2) The Items which have been proposed in Annexure – II please provide the breakup of the Area ( SM) both the Items ( Central Library and Computer Centre)

Please see Above

- 3) The Items which has been proposed in Annexure – V please clarify in details whether the cost mentioned if for one Toilet Block of 30 Sqm or for two block of 60 sqm (30 sqm x 2).

Revised to 4 blocks of 30sqm each (total area=120 sqm) to meet RUSA guidelines

- 4) Item No. 2 Laboratories has not been proposed. As the proposal is for a “Model Degree College (MDC)”, laboratory is essential.

Laboratories have been incorporated into the revised Proposal report.

- 5) Details about the ownership of land in which the college is proposed to be set up (whether the title of the property is in the college name) and a minimum of 5 acres is required for setting up of an MDC.

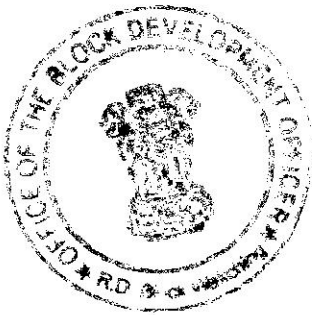
Government Acquired land with total area of 18 Acres for setting up of Wakching  
New Model College, Mon


- 6) Please give an undertaking by the State Government. ( Sample attached)  
Please see Adherence to Prerequisites (attached)
- 7) Also please provide Undertaking to Utilise Funds for Model Degree College(s) and  
Undertaking by the State Government.  
Please see Adherence to Prerequisites (attached)

**GOVERNMENT OF NAGALAND  
OFFICE OF THE BLOCK DEVELOPMENT OFFICER  
RD BLOCK : WAKCHING**

**TO WHOM IT MY CONCERN**

This is to certify that the proposed site for opening of Wakching New Model College under Rashtriya Uacchatar Shiksha Abhiyan (RUSA), is situated in a small hilly town, Wakching, where the majority of the populace is from the Scheduled Tribe (ST) category and belonging to the Christian community.



  
(T. PHANGPHE WANGSHA)  
Block Development Officer,  
RD Block, Wakching  
Mon District, Nagaland.



## CLARIFICATION ON GRIDS AND CODED REFERENCES

### 1. GRIDS

The Detailed estimation and the detailed measurements of various components of construction as shown in the annexures mention grids. Grids are a reference to the layout grid shown in the layout plans/drawings. All drawings have grids in X and Y directions. Grids along X direction are numbered (ie. 1,2,3 and so on). Grids along Y direction are Alphabetical (ie. A,B,C and so on).

Example:

In annexure All, measurement for Earthwork (Sl.No. 1.1) is referencing grids.

- For e.g. 'Grid 6-6' in the same item means the measurement of earthwork along the grid 6 of the layout drawing where the grids have been marked.

### 2. CODED REFERENCES

In the annexures, coded references are included in each item of work next to the sl. No. cloumns. These coded references are Item numbers as provided in the Nagaland PWD Schedule of rates (NPWD SOR 2013)

As per request of detailed list of PWD rates, the coded references (schedule numbers) will point to the detailed item specifications and PWD rates in the submitted NPWD SOR.

**GOVERNMENT OF NAGALAND  
OFFICE OF THE DEPUTY COMMISSIONER  
MON: NAGALAND.**

NO.GA/LR-6/CIRT/2014/ 453

Dated Mon, 24 th July' 2014


**NON ENCUMBRANCE CERTIFICATE**

This is to certify that land measuring 20 (twenty) Acres with the following schedule of boundaries, is available with District Administration at Wakching Town for establishment of Model Degree College.

1. North = Circular Road.
2. South = Yeanghoji.
3. East = G. ~~M~~ S.
4. West = Yonglao Nalla.

Further, the said land is free from all encumbrances, and this office has no objection for setting up of the same.



  
(ANGAU I. THOU) IAS  
Deputy Commissioner,  
Mon: Nagaland.

### Adherence to Prerequisites

Please specify what has been done by the staet with respect to each of the Prerequisites as shown in the following table. (Please

go through Pages. 107-129 of RUSA Document)

Sl.No.	Prerequisite	Key Questionnaire	State's response (YES/NO)/ Commitment as per a set timeline
1	State Higher Education Council	Does the State agree to Create the State Higher Education Council according to the suggestion made under RUSA	YES
2	State Perspective Plan	Does the state agree to create and submit the State Higher Education Plan according to prescribed guidelines	YES
3	Financial Contribution to Higher Education as a % of GSDP	Does the state agree to scale up to and maintain prescribed levels of funding to higher education as a % of State Gross Domestic Product (GSD)	YES
4	Adherence to timelines for fund release	Does the State agree to share the project cost of the Government funded and aided institutions with MHRD in the applicable ration (10:90, 35:65)	YES
5	Agreement to create separate fund for RUSA	Does the state agree to create separate fund for RUSA	YES
6	Filling Faculty Vacancies	Does the state agree to fill up vacant faculty positions	YES
7	Accreditation reforms	Does the state commit for all state HEIs to apply for accreditation	YES
8	Affiliation and exmination reforms	Does the state agree to implement all affiliation reforms mentioned under RUSA	YES
9	Governance and Adminsitratve reforms at State Level	Does the state agree to implement all the sectoral governance reforms mentioned under RUSA	YES
10	Institutional governance (Administrative) reforms	Does the state agree to implement all the Institutional governance/Administrative reformes mentioned under RUSA	YES

# **Executive Summary**

## **Wakching New Model College, Mon - Nagaland**

Mon district is situated in the eastern part of Nagaland with a population of 2, 50, 260 (Census 2011) covering a total area of 1786 sq km. The district is home to the Konyak Naga tribe of Nagaland. It is located at a distance of about 376 kms from the state's capital city Kohima. Due to its remoteness and difficult terrain, the district till today remains economically and educationally backward.

The New Model College under Rashtriya Uchchatar Shiksha Abhiyan (RUSA)- 12th five-year plan (Component 4: New Model College of general education) will be set up in Wakching, 38 kms from its headquarter Mon. Wakching is centrally located and easily accessible from many villages of the district. The gentle terrain with excellent sources of water makes Wakching a better option to set up a Model College. Moreover, even though Wakching village has celebrated 100 years of its existence in 2013 and to its credit the village is home to the 5th Government School set up in Nagaland in the year 1958, till today there is no college to offer higher education in this educationally backward region of the state.

### **General Information of Wakching, Mon**

State:	Nagaland
District:	Mon
Tehsil/ Taluka :	Naginimora
PIN Code:	798622
Category:	Economically & Educationally backward, Hilly, Rural, Tribal (Schedule Tribe)



Wakching, Mon: Proposed site for Wakching New Model College

CONSTRUCTION OF WAKCHING MODEL COLLEGE, MON under RASHTRIYA UCCHATAR SHIKSHA ABHIYAN (RUSA)				
<b><u>Consolidated Abstract of Cost</u></b>				
i) All particulars and percentages are as per applicable Nagaland PWD Schedule of Rates 2013				
ii) All amounts and plinth area rates as per the Nagaland PWD Schedule of Rates for buildings 2013 for Mon District				
<b>Sl. No.</b>		<b>Components</b>	<b>Amount (in Rupees)</b>	<b>Remarks</b>
A	<b><u>Cost of Wakching Model College at Mon District, Nagaland</u></b>			
	1	BLOCK I (ADMINISTRATION, CLASSROOMS & LABS)	Rs. 3,68,26,000.00	Annexure-AI
	2	BLOCK II (FACULTY ROOMS, LIBRARY & COMPUTER CENTRE)	Rs. 2,83,31,000.00	Annexure-BI
	3	50 BEDDED BOYS HOSTEL (including warden quarters, kitchen, dining hall & recreational facilities)	Rs. 2,64,73,000.00	Annexure-CI
	4	50 BEDDED GIRLS HOSTEL (including warden quarters, kitchen, dining hall & recreational facilities)	Rs. 2,64,73,000.00	Annexure-CI
	5	SEPARATE TOILET BLOCKS FOR BOYS & GIRLS (4 NOS)	Rs. 45,32,000.00	Annexure-DI
		<i>Total</i>	Rs. 12,26,35,000.00	
		<i>Say</i>	<b>Rs. 12,26,00,000.00</b>	
<b>(Rupees Twelve Crores Twenty Six Lakhs Only)</b>				

BLOCK I (ADMINISTRATION, CLASSROOMS & LABS)

DETAILED ESTIMATE

i) All particulars and percentages are as per applicable Nagaland PWD Schedule of Rates 2013				
ii) All amounts and plinth area rates as per the Nagaland PWD Schedule of Rates for buildings 2013 for Mon District				
Sl. No.		Particulars/Items of work	Amount (in Rupees)	Remarks
A	Cost of Civil works as per NPWD SOR 2013			
	1	Cost of Ground Floor (455 sqm)	Rs. 93,78,222.98	Annexure - AII
		Cost of First Floor (438 sqm)	Rs. 51,90,129.80	Annexure - AIII
		Cost of Second Floor (438 sqm)	Rs. 58,46,055.63	Annexure - AIV
		Cost of Third Floor (30 sqm)	Rs. 6,41,661.70	Annexure - AV
		Total Cost	Rs. 2,10,56,070.12	
B	Cost of Services [% to be applied to the cost of the building Structure (A)]*			
	1	Add 10% for site levelling and approach road	Rs. 9,37,822.30	
	2	Add 7.5% for water supply & sanitary installations	Rs. 15,79,205.26	
	3	Add 12.5% for internal electrification	Rs. 26,32,008.76	
	4	Add 5% of external electrification	Rs. 10,52,803.51	
	5	Add 1% for rain water harvesting	Rs. 2,10,560.70	
	6	Add 30% for office furniture and equipment	Rs. 63,16,821.04	
		Total cost of Services	Rs. 1,27,29,221.56	
C	Total cost of structure and services			
	1	add A+B	Rs. 3,37,85,291.68	
D	Agency Charges and Contingencies [%to be applied to the total cost of structure and services (C)]			
	1	add 4% for Consultancy charges	Rs. 13,51,411.67	
	2	add 3% for Contingencies	Rs. 10,13,558.75	
	3	add 2% for WorkCharged Establishment	Rs. 6,75,705.83	
		Total cost of Agency charges and Contingencies	Rs. 30,40,676.25	
E	Total Cost of structure, agency and services			
	1	add C+D	Rs. 3,68,25,967.93	
		Say	Rs. 3,68,26,000.00	

BLOCK I (ADMINISTRATION, CLASSROOMS & LABS)										
MEASUREMENT SHEET										
i) The estimate is prepared basing on Nagaland PWD Schedule of Rates for Buildings 2013.										
ii) Schedule. No. refers to code no. of the item in Nagaland PWD Schedule of Rates for buildings 2013 for Mon District.										
Measurement Sheet										
Sl. No.	Schedule No.	Particulars/Items of work	Nos.	Length (m)	Breadth (m)	Height/ Depth (m)	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
GROUND FLOOR										
EARTHWORK										
1.1	A2.6.1	Earth work in excavation over areas (exceeding 30 cm in depth, 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50 m and lift upto 1.5 m, disposed earth to be levelled and neatly dressed. All kinds of soil.								
		Footings								
		FG1	31	2.000	2.100	2.000	260.40			
		FG2	3	4.200	2.000	2.000	50.40			
		Plinth								
		PBG1								
		Grid 6-6	1	31.089	0.250	0.500	3.89			
		Grid 5-5	1	31.089	0.250	0.500	3.89			
		Grid 4-4	1	7.925	0.250	0.500	0.99			
		Grid 3-3	1	23.165	0.250	0.500	2.90			
		Grid 2-2	1	7.010	0.250	0.500	0.88			
		Grid 1-1	1	16.154	0.250	0.500	2.02			
		Grid A-A	1	6.858	0.250	0.500	0.86			
		Grid B-B	1	6.858	0.250	0.500	0.86			
		Grid C-C	1	14.021	0.250	0.500	1.75			
		Grid D-D	1	14.021	0.250	0.500	1.75			
		Grid E-E	1	14.021	0.250	0.500	1.75			
		Grid F-F	1	12.497	0.250	0.500	1.56			
		Grid G-G	1	14.021	0.250	0.500	1.75			
		Grid H-H	1	14.021	0.250	0.500	1.75			
		Grid I-I	1	14.021	0.250	0.500	1.75			
				226.771			339.15	Cum	309.38	Rs. 1,04,925.11
1.2	A2.25	Filling available of excavated earth (excluding rock) in trenches,plinths, sides of fdns in layers not exceeding 20cm in depth consolidating each layer by ramming and watering, lead up to 50m and lift 1.5m.								
		Footings								
		FG1	31	2.000	2.100	2.000	260.40			
		FG2	3	4.200	2.100	2.000	52.92			
		deduction for RCC in FG1	-1		71.395		-71.39			
		deduction for RCC in FG2	-1		13.682		-13.68			
		Ground Floor	1	31.089	14.021	0.200	87.18			
		Deduction	-1	226.771	0.400	0.200	-18.14			
			-1	7.163	7.925	0.200	-11.35			
							285.93	Cum	110.14	Rs. 31,492.12
STONE SOILING										
2.1	A 10.1	Providing 100mm thick soling with approved quality of stone including carriage,watering, ramming consolidation etc. 1:6 (1 cement : 6 Coarse Sand)								
		Footings								
		FG1	31	2.000	2.100		130.20			
		FG2	3	4.200	2.000		25.20			
		Plinth Beams								
		all plinth beams	1	226.771	0.250		56.69			
		floor	1	31.089	14.021		435.90			
							647.99	Sqm	339.77	Rs. 2,20,168.11
ANTI-TERMITE TREATMENT										
3.1	A2.35.3.1	Diluting and injecting Chemical emulsion for postconstructional anti-termite treatment (excluding the cost of chemical emulsion) Treatment of soil under existing floors using chemical emulsion @ 1 litre per hole etc complete. With Chlorpyiphos/Lindane E.C. 20% with 1% concentration								
		Floor								
		Ground Floors	1	31.089	14.021		435.90			
			-1	7.163	7.925					
		Deduction	-1	226.771	0.400		-90.71			
		Footings								
		FG1	31	2.000	2.100		130.20			
		FG2	3	4.200	2.000		25.20			
							500.59	Sqm	104.50	Rs. 52,311.70
DAMP PROOF COURSE										
4.1	A4.9	Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 cement:2 coarse: 4 graded stone aggregate 12.5 mm nominal size)								
		Under Walls								
		all walls	1	226.771	0.250		56.69			
		deduction								
		D1	-5	0.750	0.250		-0.94			
		D2	-3	0.900	0.250		-0.68			
		D3	-7	1.200	0.250		-1.58			
		D4	-1	2.100	0.250		-0.30			
		Total DPC work					53.21	Sqm	291.36	Rs. 15,501.88
PLAIN CEMENT CONCRETE										
5.1	A4.1.5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering in prop 1:3:6 (1cem :3coarse sand :6 graded stone aggregate).								
		Footings								
		FG1	31	2.000	2.100	0.150	19.53			
		FG2	3	4.200	2.000	0.150	3.78			



Sl. No.	Schedule No.	Particulars/Items of work	Nos.	Length (m)	Breadth (m)	Height/ Depth (m)	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
		Plinth Beams								
		all plinth beams	1	226.771	0.250	0.150	8.50			
							31.81	Cum	7841.60	Rs. 2,49,471.98
<b>REINFORCED CEMENT CONCRETE</b>										
6.1	A5.1.3	Providing and laying in position specified grade of R.C.C excluding the cost of centering, shuttering finishing and reinforcement all works up to plinth level.in prop 1:2:4								
		Footings								
		FG1	31	2.000	2.100	0.200	26.04			
		Trapezoidal	31	2.168		0.675	45.35			
		FG2	3	4.200	2.000	0.200	5.04			
		Trapezoidal	3	4.268		0.675	8.64			
		Plinth beams								
		PBG1								
		Grid 6-6	1	31.089	0.250	0.450	3.50			
		Grid 5-5	1	31.089	0.250	0.450	3.50			
		Grid 4-4	1	7.925	0.250	0.450	0.89			
		Grid 3-3	1	23.165	0.250	0.450	2.61			
		Grid 2-2	1	7.010	0.250	0.450	0.79			
		Grid 1-1	1	16.154	0.250	0.450	1.82			
		Grid A-A	1	6.858	0.250	0.450	0.77			
		Grid B-B	1	6.858	0.250	0.450	0.77			
		Grid C-C	1	14.021	0.250	0.450	1.58			
		Grid D-D	1	14.021	0.250	0.450	1.58			
		Grid E-E	1	14.021	0.250	0.450	1.58			
		Grid F-F	1	12.497	0.250	0.450	1.41			
		Grid G-G	1	14.021	0.250	0.450	1.58			
		Grid H-H	1	14.021	0.250	0.450	1.58			
		Grid I-I	1	14.021	0.250	0.450	1.58			
		Staircase	1	4.260	0.250	0.450	0.48			
		Total length of PBG1		231.031	m					
		base of columns								
		CG1	35	0.300	0.450	0.875	4.13			
		CG2 (circular)	2	0.283		0.875	0.49			
							115.70	Cum	8941.71	Rs. 10,34,524.89
6.2	A5.2.3	R.C.C work in walls (any thickness) including attached pilasters, columns, pillars, abutments etc. up to floor five level excluding cost of centering, shuttering, finishing and reinforcement in prop 1:2:4 (1 cem: 2coarse sand: 4graded stone aggregate of 20mm)								
		CG1	35	0.300	0.450	2.900	13.70			
		CG2	2	0.283		5.025	2.84			
							16.54	Cum	9076.85	Rs. 1,50,154.97
6.3	A5.3	R.C.C. works in beams, suspended floors, roofs having slope up to 15°,landings, chajjas, lintels, staircases etc, up to floor five level excluding the cost of centering, shuttering, finishing and reinforcement etc. in prop 1:2:4 (1cem :2Coarse sand :4Graded stone aggregate 20 mm)								
		Roof beams								
		BG1								
		Grid 6-6	1	31.089	0.250	0.450	3.50			
		Grid 5-5	1	31.089	0.250	0.450	3.50			
		Grid 4-4	1	7.925	0.250	0.450	0.89			
		Grid 3-3	1	23.165	0.250	0.450	2.61			
		Grid 2-2	1	7.010	0.250	0.450	0.79			
		Grid 1-1	1	16.154	0.250	0.450	1.82			
		Grid A-A	1	6.858	0.250	0.450	0.77			
		Grid B-B	1	6.858	0.250	0.450	0.77			
		Grid C-C	1	14.021	0.250	0.450	1.58			
		Grid D-D	1	14.021	0.250	0.450	1.58			
		Grid E-E	1	14.021	0.250	0.450	1.58			
		Grid F-F	1	12.497	0.250	0.450	1.41			
		Grid G-G	1	14.021	0.250	0.450	1.58			
		Grid H-H	1	14.021	0.250	0.450	1.58			
		Grid J-J	1	14.021	0.250	0.450	1.58			
		Extension/Chajja portions	1	22.250	0.250	0.450	2.50			
		Porch Beam	1	16.450	0.250	0.450	1.85			
		Total length of BG1		265.471	m					
		Total for RCC Beams					29.87	Cum	9087.07	Rs. 2,71,389.78
		Slabs								
		Slab incl. chajjas & corridors	1	32.613	15.545	0.125	63.37			
		Porch Slab	1	24.580		0.125	3.07			
		Deduction	-1	7.163	7.925	0.125	-7.10			
		Staircase								
		Angle	2	3.048	1.610	0.125	1.23			
		Landing	1	1.524	3.650	0.125	0.70			
		Deduction for slab in staircase block	-1	4.572	3.650	0.125	-2.09			
		Total for RCC Slabs					59.18	Cum	9087.07	Rs. 5,37,808.78
<b>FORMWORK</b>										
7.1	A5.6.1.1	Centering and shuttering including strutting, propping etc. and removal of formwork for : Foundations, bases of columns, etc								
		Footings								
		FG1	31	8.200		0.150	38.13			
		FG2	3	12.400		0.150	5.58			
		Base of Columns								
		CG1	35	1.500		0.875	45.94			
		CG2	2	1.884		0.875	3.30			
							92.94	Sqm	265.00	Rs. 24,630.29
7.2	A5.6.1.3	Centering and shuttering including strutting, propping etc. and removal of formwork for : Suspended floors,roofs, landings, balconies, etc.								
		Slabs								

Sl. No.	Schedule No.	Particulars/Items of work	Nos.	Length (m)	Breadth (m)	Height/ Depth (m)	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
		<i>Slab</i>	1	32.613	15.545		506.97			
		<i>Deduction</i>	-1	7.163	7.925		-56.77			
		Staircase								
		<i>Angle</i>	2	3.048	1.610		9.81			
		<i>Landing</i>	1	1.524	3.650		5.56			
		<i>Deduction</i>	-1	4.572	3.650		-16.69			
							448.89	Sqm	375.00	Rs. 1,68,334.38
7.3	A5.6.1.5	Centering and shuttering including strutting, propping etc. and removal of formwork for : Lintels, beams, plinth beams etc.								
		Plinth beams								
		PBG1								
		Item measurement as per 6.1	1	231.031	1.150		265.69			
		Total Shuttering for Plinth beams					265.69	Sqm	301.77	Rs. 80,175.96
		Roof beams								
		BG1								
		Item measurement as per 6.3	1	265.471	1.150		305.29			
		Total Shuttering for Roof Beams					305.29	Sqm	301.77	Rs. 92,127.86
7.4	A5.6.1.6	Centering and shuttering including strutting, propping etc. and removal of formwork for : Columns, Post and Struts etc.								
		Columns								
		CG1	35	1.500		2.900	152.25			
		CG2	2	1.884		5.025	18.93			
		Total Shuttering for Columns					171.18	Sqm	439.50	Rs. 75,235.46
<b>STEEL REINFORCEMENT</b>										
8.1	A5.18.4	Reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete. Hot rolled deformed bars (Tor).								
			<i>Nos</i>	<i>Length</i>	<i>Bar Nos</i>	<i>Kg/m</i>	<i>Kg</i>			
		Footings								
		FG1								
		<i>main (12mm dia)</i>	31	2.000	14	0.888	770.78			
		<i>Distribution (12mm dia)</i>	31	2.100	13	0.888	770.78			
		FG2								
		<i>main (12mm dia)</i>	3	4.000	13	0.888	142.08			
		<i>Distribution (12mm dia)</i>	12	2.000	27	0.888	568.32			
		Base of Columns								
		CG1								
		<i>Vertical Main bars (20mm dia)</i>	35	1.300	4	2.467	448.99			
		<i>Vertical Main bars (16mm dia)</i>	35	1.300	4	1.579	287.38			
		<i>development length (20mm dia)</i>	35	1.000	4	2.467	345.38			
		<i>development length (16mm dia)</i>	35	0.800	4	1.579	176.85			
		<i>Lateral Ties / Stirrups</i>	35	1.450	6	0.395	110.92			
		<i>(8mm dia @ 150c/c for 830 mm)</i>	35	1.095	6	0.395	83.77			
			35	0.000	0	0.395	0.00			
		<i>Confinement reinforcement</i>	35	1.450	9	0.395	179.08			
		<i>(8mm dia @ 75c/c for 670 mm from top edge)</i>	35	1.095	9	0.395	135.24			
			35	0.000	0	0.395	0.00			
		CG2								
		<i>Vertical Main bars (16mm dia)</i>	2	1.300	8	1.579	32.84			
		<i>development length (16mm dia)</i>	2	0.800	8	1.579	20.21			
		<i>Lateral Ties / Stirrups</i>	2	1.877	6	0.395	8.20			
		<i>(8mm dia @ 150c/c for 830mm)</i>	2	0.000	10	0.395	0.00			
			2	0.000	10	0.395	0.00			
		<i>Confinement reinforcement</i>	2	1.877	9	0.395	13.25			
		<i>(8mm dia @ 75c/c for 670 mm from top edge)</i>	2	0.000	0	0.395	0.00			
			2	0.000	0	0.395	0.00			
		Columns								
		CG1								
		<i>Vertical Main bars (20mm dia)</i>	35	2.900	4	2.467	1001.60			
		<i>Vertical Main bars (16mm dia)</i>	35	2.900	4	1.579	641.07			
		<i>Lap length (20mm dia)</i>	35	1.000	4	2.467	345.38			
		<i>Lap length (16mm dia)</i>	35	0.800	4	1.579	176.85			
		<i>Lateral Ties / Stirrups</i>	35	1.450	13	0.395	268.62			
		<i>(8mm dia @ 150c/c for 2010 mm)</i>	35	1.095	13	0.395	202.85			
			35	0.000	0	0.395	0.00			
		<i>Confinement reinforcement</i>	35	1.450	18	0.395	358.16			
		<i>(8mm dia @ 75c/c for 670 mm from both edges)</i>	35	1.095	18	0.395	270.47			
			35	0.000	0	0.395	0.00			
		CG2								
		<i>Vertical Main bars (16mm dia)</i>	2	4.575	8	1.579	115.58			
		<i>Lap length (16mm dia)</i>	2	0.800	8	1.579	20.21			
		<i>Lateral Ties / Stirrups</i>	2	1.877	24	0.395	35.77			
		<i>(8mm dia @ 125c/c for 3015 mm)</i>	2	0.000	0	0.395	0.00			
			2	0.000	0	0.395	0.00			
		<i>Confinement reinforcement</i>	2	1.877	27	0.395	39.74			
		<i>(8mm dia @ 75c/c for 1005 mm from both edges)</i>	2	0.000	0	0.395	0.00			
			2	0.000	0	0.395	0.00			
		Plinth beams								
		PBG1								
		(total length)		231.031						
		<i>Horizontal Top bars (16mm dia)</i>	1	231.031	3	1.579	1094.39			
		<i>Horizontal Bottom bars (16mm dia)</i>	1	231.031	3	1.579	1094.39			
		<i>Horizontal Extra bars at Support (16mm dia)</i>	1	115.516	0	1.579	0.00			
		<i>Lateral Ties / Stirrups (8mm dia)</i>	1	1.450	2670	0.395	1529.07			
		Roof beams								
		BG1								

Sl. No.	Schedule No.	Particulars/Items of work	Nos.	Length (m)	Breadth (m)	Height/ Depth (m)	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
		(total length)		265.471						
		Horizontal Top bars (16mm dia)	1	265.471	3	1.579	1257.54			
		Horizontal Bottom bars (16mm dia)	1	265.471	3	1.579	1257.54			
		Horizontal Extra bars at Support (16mm dia)	1	132.736	2	1.579	419.18			
		Lateral Ties / Stirrups (8mm dia)	1	1.068	2670	0.395	1126.24			
		Slabs								
		Along x-axis		32.613						
		Bottom bars (10mm dia @ 150mm c/c)	1	32.613	217	0.620	4396.25			
		Lapping (10mm dia)	1	1.359	217	0.620	183.18			
		top bars (10mm dia @ 150mm c/c)	1	10.871	72	0.620	488.47			
		Lapping (10mm dia)	1	0.453	72	0.620	20.35			
		Along y-axis		15.545						
		Bottom bars (10mm dia @ 150mm c/c)	1	15.545	104	0.620	998.81			
		Lapping (10mm dia)	1	0.648	104	0.620	41.62			
		top bars (10mm dia @ 150mm c/c)	1	5.182	35	0.620	110.98			
		Lapping (10mm dia)	1	0.216	35	0.620	4.62			
		deduction(grid A3-C3 and A6-C6)								
		Along x-axis		10.763						
		Bottom bars (10mm dia @ 200mm c/c)	-1	10.763	72	0.620	-478.81			
		Lapping (10mm dia)	-1	0.448	72	0.620	-19.95			
		top bars (10mm dia @ 150mm c/c)	-1	3.588	24	0.620	-53.20			
		Lapping (10mm dia)	-1	0.149	24	0.620	-2.22			
		Along y-axis		12.425						
		Bottom bars (10mm dia @ 150mm c/c)	-1	12.425	83	0.620	-638.11			
		Lapping (10mm dia)	-1	0.518	83	0.620	-26.59			
		top bars (10mm dia @ 150mm c/c)	-1	4.142	28	0.620	-70.90			
		Lapping (10mm dia)	-1	0.173	28	0.620	-2.95			
		Staircase								
		Angle								
		Along x-axis		3.048						
		Bottom bars (10mm dia @ 150mm c/c)	2	3.048	20	0.620	76.80			
		top bars (10mm dia @ 150mm c/c)	4	1.016	7	0.620	17.07			
		Along y-axis		1.610						
		Bottom bars (10mm dia @ 150mm c/c)	2	1.610	11	0.620	21.43			
		top bars (10mm dia @ 150mm c/c)	4	0.537	4	0.620	4.76			
		Landing								
		Along x-axis		1.524						
		Bottom bars (10mm dia @ 150mm c/c)	1	1.524	10	0.620	9.60			
		top bars (10mm dia @ 150mm c/c)	2	0.508	3	0.620	2.13			
		Along y-axis		3.650						
		Bottom bars (10mm dia @ 150mm c/c)	1	3.650	24	0.620	55.07			
		top bars (10mm dia @ 150mm c/c)	2	1.217	8	0.620	12.24			
							20499.36	Kg	92.91	Rs. 19,04,595.85
BRICKWORK										
9.1	A6.1.4	Brick works with FPS bricks of class designation 75 in foundation and plinth in cement mortar 1:4 (1cem : 4coarse sand)								
		Below Plinth	1	231.031	0.250	1.000	57.76			
		Total Brickwork below Plinth					57.76	Cum	8356.79	Rs. 4,82,669.39
9.2	A6.1.4 + A6.2	Extra for brick work in superstructure above plinth level up to floor fifth level in prop 1:4 (1cem : 4coarse sand)								
		Grid 1-1	1	16.154	0.250	2.900	11.71			
		Grid 2-2	1	3.350	0.250	2.900	2.43			
		Grid 3-3	1	0.000	0.250	2.900	0.00			
		Grid 4-4	1	7.925	0.250	2.900	5.75			
		Grid 5-5	1	0.000	0.250	2.900	0.00			
		Grid 6-6	1	31.089	0.250	2.900	22.54			
		Grid A-A	1	6.858	0.250	2.900	4.97			
		Grid B-B	1	0.000	0.250	2.900	0.00			
		Grid C-C	1	7.163	0.250	2.900	5.19			
		Grid D-D	1	0.000	0.250	2.900	0.00			
		Grid E-E	1	9.450	0.250	2.900	6.85			
		Grid F-F	1	7.925	0.250	2.900	5.75			
		Grid G-G	1	9.450	0.250	2.900	6.85			
		Grid H-H	1	0.000	0.250	2.900	0.00			
		Grid I-I	1	14.021	0.250	2.900	10.17			
		Total length of fullbrick walls		113.385	m					
		Deduction								
		D1	-5	0.750	0.250	2.100	-1.97			
		D2	-3	0.900	0.250	2.100	-1.42			
		D3	-7	1.200	0.250	2.100	-4.41			
		D4	-1	2.100	0.250	2.400	-1.26			
		V1	-2	1.200	0.250	0.400	-0.24			
		V2	-2	1.200	0.250	0.400	-0.24			
		W2	-2	1.200	0.250	2.134	-1.28			
		W3	-17	1.676	0.250	2.134	-15.20			
		Total Brickwork in Superstructure					56.19	Cum	9455.40	Rs. 5,31,270.49
9.3	A6.14.2+ A6.15	Extra halfbrick work in superstructure above plinth level up to floor five level.in prop 1:4(1cem : 4coarse sand).								
		Grid 1-1	1	4.267		2.900	12.37			
		Grid 2-2	1	0.000		2.900	0.00			
		Grid 3-3	1	16.154		2.900	46.85			
		Grid 4-4	1	3.658		2.900	10.61			
		Grid 5-5	1	23.166		2.900	67.18			
		Grid 6-6	1	16.150		2.900	46.84			
		Grid A-A	1	6.858		2.900	19.89			

Sl. No.	Schedule No.	Particulars/Items of work	Nos.	Length (m)	Breadth (m)	Height/ Depth (m)	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
		Grid B-B	1	0.000		2.900	0.00			
		Grid C-C	1	6.858		2.900	19.89			
		Grid D-D	1	2.590		2.900	7.51			
		Grid E-E	1	2.590		2.900	7.51			
		Grid F-F	1	7.925		2.900	22.98			
		Grid G-G	1	0.000		2.900	0.00			
		Grid H-H	1	4.572		2.900	13.26			
		Grid I-I	1	0.000		2.900	0.00			
		Non Grid elements	1	40.410		2.900	117.19			
		Total half brickwork		135.198	m		392.07	Sqm	906.63	Rs. 3,55,466.23
WOODWORK										
10.1	A8.1.2	Providing woodwork in frames of doors, windows, celestories and other frames and fixed in position with seasoned and chemically treated hollock wood, koroi, titachap, etc.								
		Doors								
		<i>D1</i>	5	0.750	0.130	0.080	0.04			
			10	2.100	0.130	0.080	0.22			
		<i>D2</i>	3	0.900	0.130	0.080	0.03			
			6	2.100	0.130	0.080	0.13			
		<i>D3</i>	7	1.200	0.130	0.080	0.09			
			14	2.100	0.130	0.080	0.31			
		<i>D4</i>	1	2.100	0.130	0.080	0.02			
			2	2.400	0.130	0.080	0.05			
		Total woodwork in Door Frames					0.88	Cum	45201.32	Rs. 39,840.44
10.2	A8.6.2	Providing and fixing panelled or panelled and glazed shutters for doors, windows including ISI marked black enameled M.S. butt hinges with necessary screws excluding panelling which will be paid for separately. 35mm thick with seasoned and chemically treated hollock wood, koroi, Titachap, Bhola								
		Doors								
		<i>D1</i>	5	0.750		2.100	7.88			
		<i>D2</i>	3	0.900		2.100	5.67			
		<i>D3</i>	7	1.200		2.100	17.64			
		<i>D4</i>	1	2.100		2.400	5.04			
		Total woodwork in Door Panels					36.23	Sqm	2977.27	Rs. 1,07,851.61
STEELWORK										
11.1	A9.13.4	Providing and fixing ISI marked steel glazed doors, windows and ventilators of standard rolled steel sections, joints mitred and welded with 15x3mm lugs, 10cm long, embedded in cement concrete blocks 15x10x10cm of 1:3:6 including providing and fixing. Top hung Ventilators								
		<i>V1</i>	2	1.200		0.400	0.96			
		<i>V2</i>	2	0.600		0.400	0.48			
							1.44	Sqm	2935.60	Rs. 4,227.26
11.2	A9.13.3	Providing and fixing ISI marked steel glazed doors, windows and ventilators of standard rolled steel sections, joints mitred and welded with 15x3mm lugs, 10cm long, embedded in cement concrete blocks 15x10x10cm of 1:3:6 including providing and fixing. Side Hung Windows								
		<i>W2</i>	2	1.200		2.134	5.12			
		<i>W3</i>	17	1.676		2.134	60.80			
							65.92	Sqm	2283.25	Rs. 1,50,519.90
11.3	A8.39.2	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. all complete. Fixed to openings/wooden framses with rawl plugs screws.								
		<i>W2</i>	2	1.200		2.134	5.12			
		<i>W3</i>	17	1.676		2.134	60.80			
							65.92	sqm		
						Kg @ 4.5kg/m <sup>2</sup>	296.66	Kg/m <sup>2</sup>	112.50	Rs. 33,373.79
11.4	A9.36.1	Providing and fixing hand rails by welding etc. to steel ladder railing, balcony railing & staircase railing including applying a priming coat of approved steel primer with M.S. tube (medium) 40mm nominal dia								
		Horizontals	2	3.048			6.10			
		Verticals	21	0.900			18.90			
							18.90	m		
						Kg @ 2.5kg/m	47.25	Kg	183.62	Rs. 8,676.05
FLOORING										
12.1	A2.27	Supplying and filling in plinth with 100mm thick fine sand or stone dust under the floors including watering, raming, consolidating and dressing complete								
		Ground Floor	1	31.089	14.021		435.90			
		Deduction	-1	7.163	7.925		-56.77			
							379.13	sqm	314.74	Rs. 1,19,328.04
12.2	A4.1.5	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering 1:3:6 (1cement: 3coarse sand: 6graded stone agregate)								
		Ground Floor	1	31.089	14.021	0.150	65.38			
		Deduction	-1	7.163	7.925	0.150	-8.52			
							56.87	Cum	7841.60	Rs. 4,45,950.33
12.3	A 10.39	Kota stone slabs 25 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 and jointed with grey cement slurry mixed with pigment to match the shade of the slabs. including rubbing and polishing complete.								
		Fullbrick Walls (as per item 9.2)	1	113.385		0.150	17.01			
		Halfbrick Walls (as per item 9.3)	2	135.198		0.150	40.56			
		Staircase								
		<i>Angle</i>	2	3.048		0.150	0.91			
		<i>Landing</i>	1	1.524		0.150	0.23			
		Total Skirting Work					58.71	Sqm	1911.67	Rs. 1,12,234.43
12.5	A 10.38.1	Kota stone slab flooring over 20mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete with base of 1 : 4 ( 1 cement : 4 coarse sand): 25 mm thick								
		Floor area (as per item 12.2)	1	379.132			379.13			
		Staircase								
		<i>Thread</i>	19	1.610	0.300		9.18			

Sl. No.	Schedule No.	Particulars/Items of work	Nos.	Length (m)	Breadth (m)	Height/Depth (m)	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
		<i>Landing</i>	1	1.524	3.650		5.56			
		<i>Riser</i>	20	3.650		0.152	11.10			
		<i>deduct toilet</i>	-1	7.010	4.877		-34.19			
							370.78	Sqm	1724.44	Rs. 6,39,387.73
<b>FINISHING</b>										
13.1	A13.10	Providing 12mm thick cement plaster of mix 1:3 (1cement :3coarse sand) finished with a floating coat of neat cement)								
		walls (qty as per item 9.2+9.3)	2	248.583		2.748	1366.21			
		<i>Deduction</i>			nos					
		<i>D1</i>	-5	0.750	2.000	2.100	-15.75			
		<i>D2</i>	-3	0.900	2.000	2.100	-11.34			
		<i>D3</i>	-7	1.200	2.000	2.100	-35.28			
		<i>D4</i>	-1	2.100	2.000	2.400	-10.08			
		<i>V1</i>	-2	1.200	2.000	0.400	-1.92			
		<i>V2</i>	-2	1.200	2.000	0.400	-1.92			
		<i>W2</i>	-2	1.200	2.000	2.134	-10.24			
		<i>W3</i>	-17	1.676	2.000	2.134	-121.60			
							1158.08	Sqm	247.19	Rs. 2,86,264.59
13.2	A13.27	Providing and applying plaster of paris putty of 2mm thickness over plastered surface to prepare the surface even and smooth completes:								
		Total Primer work					1158.08	Sqm	619.36	Rs. 7,17,265.40
13.3	A13.48.1	Finishing walls with Acrylic Smooth exterior paint "Trump" of M/s Snowcem India Ltd or equivalent of required shade. New work (Two or more coat applied @ 1.67 ltr/10 Sqm over and including base coat of water proofing cement paint Snowcem Plus or equivalent applied @ 2.20 kg/ 10 Sqm)								
		External wall painting	1	99.600		2.748	273.70			
		External wall painting					273.70	Sqm	148.13	Rs. 40,543.30
13.4	A13.50.1	Finishing walls with delux multi- surface paint system "Uni-gloss of M/s Snowcem India ltd. or equivalent for interiors using priming as per manufacturers specifications. Two or more coats applied @ 1.25ltr/10sqm over and including one coat of special primer applied @0.75 ltr/10sqm.								
		Internal wall painting	2	148.983		2.900	864.10			
		Ceiling (as per item 12.1)	1	379.132			379.13			
		Internal wall painting					1243.23	Sqm	171.86	Rs. 2,13,662.11
13.5	A13.50.3	Painting steelworks with delux multi-surface paint "Uni-gloss" of M/s Snowcem India Ltd. Or equivalent to give an even shade. Two or more coat applied @ 0.90Ltr/10 sqm over an undercoat of primer UG or equivalent, applied @ 0.80ltr./10 sqm of approved brand.								
		Windows & Ventilators painting	1				265.61	Sqm	144.65	Rs. 38,421.08
13.6	A13.52.1	Applying priming coat with ready mixed pink or grey primer of approved brand and manufacture on woodworks (hard and soft wood).								
		Door Priming	1				72.45	Sqm	43.26	Rs. 3,134.19
13.7	A13.50.2	Painting wood works with delux multi-surface paint "Uni-gloss" of M/s Snow cem India Ltd. Or equi valent to give an even shade. Two or more coats applied @ 0.90Ltr/10 sqm over an undercoat of primer C-W or equi valent, applied @ 0.75ltr./10 sqm.								
		Door Painting	1				72.45	Sqm	145.04	Rs. 10,508.15
<b>FITTINGS</b>										
14.1	A8.44	Providing 40x5 mm flat iron hold fasts 40cm long including fixing to frame with 10mm diameter bolts, nuts and wooden plugs and embeddings in cement concrete block 30x10x15 cm 1:3:6 mix (1cem :3coarse sand :6graded stone aggregate 20mm nom size).								
		D1	20				20.00			
		D2	12				12.00			
		D3	28				28.00			
		D4	4				4.00			
		Total Door Holdfasts					64.00	Each	133.17	Rs. 8,522.88
14.2	A8.90.1	Providing and fixing aluminium sliding door bolts ISI marked anodised transparent or dyed to required color or shade with nuts and screws etc. complete of 300mmx16mm size.								
		D1	10				10.00			
		D2	6				6.00			
		D3	14				14.00			
		D4	2				2.00			
		Total Door Sliding Bolts					32.00	Each	282.50	Rs. 9,040.00
14.3	A8.91.1	Providing and fixing aluminium tower bolts ISI marked anodised transparent or dyed to required color or shade with nuts and screws etc. complete of 300mmx10mm size.								
		D1	5				5.00			
		D2	3				3.00			
		D3	7				7.00			
		D4	1				1.00			
		Total Door Tower Bolts					16.00	Each	133.74	Rs. 2,139.84
14.4	A8.94.1	Providing and fixing aluminium handles ISI marked anodised transparent or dyed to required color or shade with nuts and screws etc. complete of 125mm size.								
		D1	10				10.00			
		D2	6				6.00			
		D3	14				14.00			
		D4	2				2.00			
		Total Door Handles					32.00	Each	105.00	Rs. 3,360.00
14.5	A8.46.3	Providing and fixing ISI marked M.S. pressed butt hinges bright finished with necessary screws etc. complete 75x47x1.70 mm								
		D1	15				15.00			
		D2	9				9.00			
		D3	21				21.00			
		D4	6				6.00			
		Total Door Hinges					51.00	Each	33.66	Rs. 1,716.66
<b>TOTAL COST</b>										<b>Rs. 93,78,222.98</b>

Sl. No.	Schedule No.	Particulars/Items of work	Nos.	Length (m)	Breadth (m)	Height/ Depth (m)	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
<b>FIRST FLOOR</b>										
<b><u>REINFORCED CEMENT CONCRETE</u></b>										
6.2	A5.2.3	R.C.C work in walls (any thickness) including attached pilasters, columns, pillars, abutments etc. up to floor five level excluding cost of centering, shuttering, finishing and reinforcement in prop 1:2:4 (1 cem: 2coarse sand: 4graded stone aggregate of 20mm)								
		CG1	35	0.300	0.450	2.900	13.70			
		CG2	0	0.283		5.025	0.00			
							13.70	Cum	9076.85	Rs. 1,24,375.54
6.3	A5.3	R.C.C. works in beams, suspended floors, roofs having slope up to 15°,landings, chajjas, lintels, staircases etc, up to floor five level excluding the cost of centering, shuttering, finishing and reinforcement etc. in prop 1:2:4 (1cem :2Coarse sand :4Graded stone aggregate 20 mm)								
		Roof beams								
		BG1								
		Grid 6-6	1	31.089	0.250	0.450	3.50			
		Grid 5-5	1	31.089	0.250	0.450	3.50			
		Grid 4-4	1	7.925	0.250	0.450	0.89			
		Grid 3-3	1	23.165	0.250	0.450	2.61			
		Grid 2-2	1	7.010	0.250	0.450	0.79			
		Grid 1-1	1	16.154	0.250	0.450	1.82			
		Grid A-A	1	6.858	0.250	0.450	0.77			
		Grid B-B	1	6.858	0.250	0.450	0.77			
		Grid C-C	1	14.021	0.250	0.450	1.58			
		Grid D-D	1	14.021	0.250	0.450	1.58			
		Grid E-E	1	14.021	0.250	0.450	1.58			
		Grid F-F	1	12.497	0.250	0.450	1.41			
		Grid G-G	1	14.021	0.250	0.450	1.58			
		Grid H-H	1	14.021	0.250	0.450	1.58			
		Grid I-I	1	14.021	0.250	0.450	1.58			
		Extension/Chajja portions	1	22.250	0.250	0.450	2.50			
		Total length of BG1		260.841	m					
		Total for RCC Beams					28.01	Cum	9087.07	Rs. 2,54,573.02
		Slabs								
		Slab incl. chajjas & corridors	1	22.550	15.545	0.125	43.82			
		Porch Slab	0	24.580		0.125	0.00			
		Deduction	-1	7.163	7.925	0.125	-7.10			
		Staircase								
		Angle	2	3.048	1.610	0.125	1.23			
		Landing	1	1.524	3.650	0.125	0.70			
		Deduction for slab in staircase block	-1	4.572	3.650	0.125	-2.09			
		Total for RCC Slabs					36.56	Cum	9087.07	Rs. 3,32,203.21
<b><u>FORMWORK</u></b>										
7.2	A5.6.1.3	Centering and shuttering including strutting, propping etc. and removal of formwork for : Suspended floors,roofs, landings, balconies, etc.								
		Slabs								
		Slab	1	22.550	15.545		350.54			
		Deduction	-1	7.163	7.925		-56.77			
		Staircase								
		Angle	2	3.048	1.610		9.81			
		Landing	1	1.524	3.650		5.56			
		Deduction	-1	4.572	3.650		-16.69			
							292.46	Sqm	375.00	Rs. 1,09,673.38
7.3	A5.6.1.5	Centering and shuttering including strutting, propping etc. and removal of formwork for : Lintels, beams, plinth beams etc.								
		Roof beams								
		BG1								
		Item measurement as per 6.3	1	260.841	1.150		299.97			
		Total Shuttering for Roof Beams					299.97	Sqm	301.77	Rs. 90,521.09
7.4	A5.6.1.6	Centering and shuttering including strutting, propping etc. and removal of formwork for : Columns, Post and Struts etc.								
		Columns								
		CG1	35	1.500		2.900	152.25			
		CG2	0	1.884		5.025	0.00			
		Total Shuttering for Columns					152.25	Sqm	439.50	Rs. 66,913.88
<b><u>STEEL REINFORCEMENT</u></b>										
8.1	A5.18.4	Reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete. Hot rolled deformed bars (Tor).								
			Nos	Length	Bar Nos	Kg/m	Kg			
		Columns								
		CG1								
		Vertical Main bars (20mm dia)	35	2.900	4	2.467	1001.60			
		Vertical Main bars (16mm dia)	35	2.900	4	1.579	641.07			
		Lap length (20mm dia)	35	1.000	4	2.467	345.38			
		Lap length (16mm dia)	35	0.800	4	1.579	176.85			
		Lateral Ties / Stirrups	35	1.450	13	0.395	268.62			
		(8mm dia @ 150c/c for 2010 mm)	35	1.095	13	0.395	202.85			
		Confinement reinforcement	35	1.450	18	0.395	358.16			
		(8mm dia @ 75c/c for 670 mm from both edges)	35	1.095	18	0.395	270.47			
		Roof beams								
		BG1								
		(total length)		260.841						
		Horizontal Top bars (16mm dia)	1	260.841	3	1.579	1235.60			
		Horizontal Bottom bars (16mm dia)	1	260.841	3	1.579	1235.60			
		Horizontal Extra bars at Support (16mm dia)	1	130.421	2	1.579	411.87			
		Lateral Ties / Stirrups (8mm dia)	1	1.068	2670	0.395	1126.24			
		Slabs								
		Along x-axis		22.550						
		Bottom bars (10mm dia @ 150mm c/c)	1	22.550	150	0.620	2101.81			
		Lapping (10mm dia)	1	0.940	150	0.620	87.58			
		top bars (10mm dia @ 150mm c/c)	1	7.517	50	0.620	233.53			
		Lapping (10mm dia)	1	0.313	50	0.620	9.73			

Sl. No.	Schedule No.	Particulars/Items of work	Nos.	Length (m)	Breadth (m)	Height/ Depth (m)	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
		<i>Along y-axis</i>		15.545						
		<i>Bottom bars (10mm dia @ 150mm c/c)</i>	1	15.545	104	0.620	998.81			
		<i>Lapping (10mm dia)</i>	1	0.648	104	0.620	41.62			
		<i>top bars (10mm dia @ 150mm c/c)</i>	1	5.182	35	0.620	110.98			
		<i>Lapping (10mm dia)</i>	1	0.216	35	0.620	4.62			
		<i>deduction for (grid A3-C3 and A6-C6)&amp; staircase</i>								
		<i>Along x-axis</i>		10.763						
		<i>Bottom bars (10mm dia @ 200mm c/c)</i>	-1	10.763	72	0.620	-478.81			
		<i>Lapping (10mm dia)</i>	-1	0.448	72	0.620	-19.95			
		<i>top bars (10mm dia @ 150mm c/c)</i>	-1	3.588	24	0.620	-53.20			
		<i>Lapping (10mm dia)</i>	-1	0.149	24	0.620	-2.22			
		<i>Along y-axis</i>		12.425						
		<i>Bottom bars (10mm dia @ 150mm c/c)</i>	-1	12.425	83	0.620	-638.11			
		<i>Lapping (10mm dia)</i>	-1	0.518	83	0.620	-26.59			
		<i>top bars (10mm dia @ 150mm c/c)</i>	-1	4.142	28	0.620	-70.90			
		<i>Lapping (10mm dia)</i>	-1	0.173	28	0.620	-2.95			
		Staircase								
		Angle								
		<i>Along x-axis</i>		3.048						
		<i>Bottom bars (10mm dia @ 150mm c/c)</i>	2	3.048	20	0.620	76.80			
		<i>top bars (10mm dia @ 150mm c/c)</i>	4	1.016	7	0.620	17.07			
		<i>Along y-axis</i>		1.610						
		<i>Bottom bars (10mm dia @ 150mm c/c)</i>	2	1.610	11	0.620	21.43			
		<i>top bars (10mm dia @ 150mm c/c)</i>	4	0.537	4	0.620	4.76			
		Landing								
		<i>Along x-axis</i>		1.524						
		<i>Bottom bars (10mm dia @ 150mm c/c)</i>	1	1.524	10	0.620	9.60			
		<i>top bars (10mm dia @ 150mm c/c)</i>	2	0.508	3	0.620	2.13			
		<i>Along y-axis</i>		3.650						
		<i>Bottom bars (10mm dia @ 150mm c/c)</i>	1	3.650	24	0.620	55.07			
		<i>top bars (10mm dia @ 150mm c/c)</i>	2	1.217	8	0.620	12.24			
							9769.36	Kg	92.91	Rs. 9,07,671.26
BRICKWORK										
9.2	A6.1.4 + A6.2	Extra for brick work in superstructure above plinth level up to floor fifth level in prop 1:4 (1cem : 4coarse sand)								
		Grid 1-1	1	16.154	0.250	2.900	11.71			
		Grid 2-2	1	0.000	0.250	2.900	0.00			
		Grid 3-3	1	0.000	0.250	2.900	0.00			
		Grid 4-4	1	7.925	0.250	2.900	5.75			
		Grid 5-5	1	0.000	0.250	2.900	0.00			
		Grid 6-6	1	31.089	0.250	2.900	22.54			
		Grid A-A	1	6.858	0.250	2.900	4.97			
		Grid B-B	1	0.000	0.250	2.900	0.00			
		Grid C-C	1	7.163	0.250	2.900	5.19			
		Grid D-D	1	0.000	0.250	2.900	0.00			
		Grid E-E	1	9.450	0.250	2.900	6.85			
		Grid F-F	1	3.048	0.250	2.900	2.21			
		Grid G-G	1	9.450	0.250	2.900	6.85			
		Grid H-H	1	0.000	0.250	2.900	0.00			
		Grid I-I	1	14.021	0.250	2.900	10.17			
		Total length of fullbrick walls		105.158	m					
		Deduction								
		D1	-3	0.750	0.250	2.100	-1.18			
		D2	-5	0.900	0.250	2.100	-2.36			
		D3	-4	1.200	0.250	2.100	-2.52			
		D4	0	2.100	0.250	2.400	0.00			
		V1	-2	1.200	0.250	0.400	-0.24			
		V2	-3	1.200	0.250	0.400	-0.36			
		W2	-3	1.200	0.250	2.134	-1.92			
		W3	-16	1.676	0.250	2.134	-14.31			
		Total Brickwork in Superstructure					53.35	Cum	9455.40	Rs. 5,04,434.85
9.3	A6.14.2+ A6.15	Extra halfbrick work in superstructure above plinth level up to floor five level.in prop 1:4(1cem : 4coarse sand).								
		Grid 1-1	1	4.267		2.900	12.37			
		Grid 2-2	1	0.000		2.900	0.00			
		Grid 3-3	1	16.154		2.900	46.85			
		Grid 4-4	1	0.000		2.900	0.00			
		Grid 5-5	1	31.089		2.900	90.16			
		Grid 6-6	1	16.150		2.900	46.84			
		Grid A-A	1	0.000		2.900	0.00			
		Grid B-B	1	0.000		2.900	0.00			
		Grid C-C	1	4.876		2.900	14.14			
		Grid D-D	1	4.572		2.900	13.26			
		Grid E-E	1	0.000		2.900	0.00			
		Grid F-F	1	0.000		2.900	0.00			
		Grid G-G	1	4.572		2.900	13.26			
		Grid H-H	1	0.000		2.900	0.00			
		Grid I-I	1	0.000		2.900	0.00			
		Non Grid elements	1	45.410		2.900	131.69			
		Total half brickwork		127.090	m		368.56	Sqm	906.63	Rs. 3,34,148.46
WOODWORK										
10.1	A8.1.2	Providing woodwork in frames of doors, windows, celestories and other frames and fixed in position with seasoned and chemically treated hollock wood, koroi, titachap, etc.								
		Doors								
		D1	3	0.750	0.130	0.080	0.02			

Sl. No.	Schedule No.	Particulars/Items of work	Nos.	Length (m)	Breadth (m)	Height/ Depth (m)	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
			6	2.100	0.130	0.080	0.13			
		D2	5	0.900	0.130	0.080	0.05			
			10	2.100	0.130	0.080	0.22			
		D3	4	1.200	0.130	0.080	0.05			
			8	2.100	0.130	0.080	0.17			
		Total woodwork in Door Frames					0.64	Cum	45201.32	Rs. 29,122.31
10.2	A8.6.2	Providing and fixing panelled or panelled and glazed shutters for doors, windows including ISI marked black enameled M.S. butt hinges with necessary screws excluding panelling which will be paid for separately. 35mm thick with seasoned and chemically treated hollock wood, koroi, Titachap, Bhola								
		Doors								
		D1	3	0.750		2.100	4.73			
		D2	5	0.900		2.100	9.45			
		D3	4	1.200		2.100	10.08			
		Total woodwork in Door Panels					24.26	Sqm	2977.27	Rs. 72,213.68
STEELWORK										
11.1	A9.13.4	Providing and fixing ISI marked steel glazed doors, windows and ventilators of standard rolled steel sections, joints mitred and welded with 15x3mm lugs, 10cm long, embedded in cement concrete blocks 15x10x10cm of 1:3:6 including providing and fixing. Top hung Ventilators								
		V1	2	1.200		0.400	0.96			
		V2	3	0.600		0.400	0.72			
							1.68	Sqm	2935.60	Rs. 4,931.81
11.2	A9.13.3	Providing and fixing ISI marked steel glazed doors, windows and ventilators of standard rolled steel sections, joints mitred and welded with 15x3mm lugs, 10cm long, embedded in cement concrete blocks 15x10x10cm of 1:3:6 including providing and fixing. Side Hung Windows								
		W2	3	1.200		2.134	7.68			
		W3	16	1.676		2.134	57.23			
							64.91	Sqm	2283.25	Rs. 1,48,200.61
11.3	A8.39.2	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. all complete. Fixed to openings/wooden framses with rawl plugs screws.								
		W2	3	1.200		2.134	7.68			
		W3	16	1.676		2.134	57.23			
							64.91	sqm		
					Kg @ 4.5kg/m <sup>2</sup>		292.08	Kg/m <sup>2</sup>	112.50	Rs. 32,859.55
11.4	A9.36.1	Providing and fixing hand rails by welding etc. to steel ladder railing, balcony railing & staircase railing including applying a priming coat of approved steel primer with M.S. tube (medium) 40mm nominal dia								
		Horizontals	2	3.048			6.10			
		Verticals	21	0.900			18.90			
							18.90	m		
					Kg @ 2.5kg/m		47.25	Kg	183.62	Rs. 8,676.05
FLOORING										
12.3	A 10.39	Kota stone slabs 25 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 and jointed with grey cement slurry mixed with pigment to match the shade of the slabs. including rubbing and polishing complete.								
		Fullbrick Walls (as per item 9.2)	1	105.158		0.150	15.77			
		Halfbrick Walls (as per item 9.3)	2	127.090		0.150	38.13			
		Staircase								
		Angle	2	3.048		0.150	0.91			
		Landing	1	1.524		0.150	0.23			
		Total Skirting Work					55.04	Sqm	1911.67	Rs. 1,05,225.39
12.5	A 10.38.1	Kota stone slab flooring over 20mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete with base of 1 : 4 ( 1 cement : 4 coarse sand): 25 mm thick								
		Floor area (as per item 12.2)	1	379.132			379.13			
		Staircase								
		Thread	19	1.610	0.300		9.18			
		Landing	1	1.524	3.650		5.56			
		Riser	20	3.650		0.152	11.10			
		deduct toilet	-1	5.570	4.877		-27.16			
							404.97	Sqm	1724.44	Rs. 6,98,342.49
FINISHING										
13.1	A13.10	Providing 12mm thick cement plaster of mix 1:3 (1cement :3coarse sand) finished with a floating coat of neat cement)								
		walls (qty as per item 9.2+9.3)	2	232.248		2.748	1276.44			
		Deduction			nos					
		D1	-3	0.750	2.000	2.100	-9.45			
		D2	-5	0.900	2.000	2.100	-18.90			
		D3	-4	1.200	2.000	2.100	-20.16			
		D4	0	2.100	2.000	2.400	0.00			
		V1	-2	1.200	2.000	0.400	-1.92			
		V2	-3	1.200	2.000	0.400	-2.88			
		W2	-3	1.200	2.000	2.134	-15.36			
		W3	-16	1.676	2.000	2.134	-114.45			
							1093.31	Sqm	247.19	Rs. 2,70,255.18
13.2	A13.27	Providing and applying plaster of paris putty of 2mm thickness over plastered surface to prepare the surface even and smooth completes:								
		Total Primer work					1093.31	Sqm	619.36	Rs. 6,77,152.18
13.3	A13.48.1	Finishing walls with Acrylic Smooth exterior paint "Trump" of M/s Snowcem India Ltd or equivalent of required shade. New work (Two or more coat applied @ 1.67 ltr/10 Sqm over and including base coat of water proofing cement paint Snowcem Plus or equivalent applied @ 2.20 kg/ 10 Sqm)								
		External wall painting	1	99.600		2.748	273.70			
		External wall painting					273.70	Sqm	148.13	Rs. 40,543.30
13.4	A13.50.1	Finishing walls with delux multi- surface paint system "Uni-gloss of M/s Snowcem India ltd. or equivalent for interiors using priming as per manufacturers specifications. Two or more coats applied @ 1.25ltr/10sqm over and including one coat of special primer applied @0.75 ltr/10sqm.								
		Internal wall painting	2	132.648		2.900	769.36			
		Ceiling (as per item 12.1)	1	379.132			379.13			
		Internal wall painting					1148.49	Sqm	171.86	Rs. 1,97,379.58
13.5	A13.50.3	Painting steelworks with delux multi-surface paint "Uni-gloss" of M/s Snowcem India Ltd. Or equivalent to give an even shade. Two or more coat applied @ 0.90Ltr/10 sqm over an undercoat of primer UG or equivalent, applied @ 0.80ltr./10 sqm of approved brand.								
		Windows & Ventilators painting	1				261.55	Sqm	144.65	Rs. 37,833.35
13.6	A13.52.1	Applying priming coat with ready mixed pink or grey primer of approved brand and manufacture on woodworks (hard and soft wood).								
		Door Priming	1				48.51	Sqm	43.26	Rs. 2,098.54



Sl. No.	Schedule No.	Particulars/Items of work	Nos.	Length (m)	Breadth (m)	Height/ Depth (m)	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
13.7	A13.50.2	Painting wood works with delux multi-surface paint "Uni-gloss" of M/s Snow cem India Ltd. Or equi valent to give an even shade. Two or more coats applied @ 0.90Ltr/10 sqm over an undercoat of primer C-W or equi valent, applied @ 0.75ltr./10 sqm.								
		Door Painting	1				48.51	Sqm	145.04	Rs. 7,035.89
FITTINGS										
14.1	A8.44	Providing 40x5 mm flat iron hold fasts 40cm long including fixing to frame with 10mm diameter bolts, nuts and wooden plugs and embeddings in cement concrete block 30x10x15 cm 1:3:6 mix (1cem :3coarse sand :6graded stone aggregate 20mm nom size).								
		D1	12				12.00			
		D2	20				20.00			
		D3	16				16.00			
		Total Door Holdfasts					48.00	Each	133.17	Rs. 6,392.16
14.2	A8.90.1	Providing and fixing aluminium sliding door bolts ISI marked anodised transparent or dyed to required color or shade with nuts and screws etc. complete of 300mmx16mm size.								
		D1	6				6.00			
		D2	10				10.00			
		D3	8				8.00			
		Total Door Sliding Bolts					24.00	Each	282.50	Rs. 6,780.00
14.3	A8.91.1	Providing and fixing aluminium tower bolts ISI marked anodised transparent or dyed to required color or shade with nuts and screws etc. complete of 300mmx10mm size.								
		D1	3				3.00			
		D2	5				5.00			
		D3	4				4.00			
		Total Door Tower Bolts					12.00	Each	133.74	Rs. 1,604.88
14.4	A8.94.1	Providing and fixing aluminium handles ISI marked anodised transparent or dyed to required color or shade with nuts and screws etc. complete of 125mm size.								
		D1	6				6.00			
		D2	10				10.00			
		D3	8				8.00			
		Total Door Handles					24.00	Each	105.00	Rs. 2,520.00
14.5	A8.46.3	Providing and fixing ISI marked M.S. pressed butt hinges bright finished with necessary screws etc. complete. 75x47x1.70 mm								
		D1	9				9.00			
		D2	15				15.00			
		D3	12				12.00			
		Total Door Hinges					36.00	Each	33.66	Rs. 1,211.76
15.1	A16.1.2.1	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately) Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)								
			1	3.353		2.900	9.72			
			1	4.267		2.900	12.37			
							22.10			
				Converting to Kg @ 11.48kg/sqm			253.69	kg	454.25	Rs. 1,15,236.43
TOTAL COST										Rs. 51,90,129.80

Sl. No.	Schedule No.	Particulars/Items of work	Nos.	Length (m)	Breadth (m)	Height/ Depth (m)	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
<b>FIRST FLOOR</b>										
<b><u>REINFORCED CEMENT CONCRETE</u></b>										
6.2	A5.2.3	R.C.C work in walls (any thickness) including attached pilasters, columns, pillars, abutments etc. up to floor five level excluding cost of centering, shuttering, finishing and reinforcement in prop 1:2:4 (1 cem: 2coarse sand: 4graded stone aggregate of 20mm)								
		CG1	35	0.300	0.450	2.900	13.70			
		CG2	0	0.283		5.025	0.00			
							13.70	Cum	9076.85	Rs. 1,24,375.54
6.3	A5.3	R.C.C. works in beams, suspended floors, roofs having slope up to 15°,landings, chajjas, lintels, staircases etc, up to floor five level excluding the cost of centering, shuttering, finishing and reinforcement etc. in prop 1:2:4 (1cem :2Coarse sand :4Graded stone aggregate 20 mm)								
		Roof beams								
		BG1								
		Grid 6-6	1	31.089	0.250	0.450	3.50			
		Grid 5-5	1	31.089	0.250	0.450	3.50			
		Grid 4-4	1	7.925	0.250	0.450	0.89			
		Grid 3-3	1	23.165	0.250	0.450	2.61			
		Grid 2-2	1	7.010	0.250	0.450	0.79			
		Grid 1-1	1	16.154	0.250	0.450	1.82			
		Grid A-A	1	6.858	0.250	0.450	0.77			
		Grid B-B	1	6.858	0.250	0.450	0.77			
		Grid C-C	1	14.021	0.250	0.450	1.58			
		Grid D-D	1	14.021	0.250	0.450	1.58			
		Grid E-E	1	14.021	0.250	0.450	1.58			
		Grid F-F	1	12.497	0.250	0.450	1.41			
		Grid G-G	1	14.021	0.250	0.450	1.58			
		Grid H-H	1	14.021	0.250	0.450	1.58			
		Grid I-I	1	14.021	0.250	0.450	1.58			
		Extension/Chajja portions	1	22.250	0.250	0.450	2.50			
		Total length of BG1		260.841	m					
		Total for RCC Beams					28.01	Cum	9087.07	Rs. 2,54,573.02
		Slabs								
		Slab incl. chajjas & corridors	1	22.550	15.545	0.125	43.82			
		Porch Slab	0	24.580		0.125	0.00			
		Deduction	-1	7.163	7.925	0.125	-7.10			
		Staircase								
		Angle	2	3.048	1.610	0.125	1.23			
		Landing	1	1.524	3.650	0.125	0.70			
		Deduction for slab in staircase block	-1	4.572	3.650	0.125	-2.09			
		Total for RCC Slabs					36.56	Cum	9087.07	Rs. 3,32,203.21
<b><u>FORMWORK</u></b>										
7.2	A5.6.1.3	Centering and shuttering including strutting, propping etc. and removal of formwork for : Suspended floors,roofs, landings, balconies, etc.								
		Slabs								
		Slab	1	22.550	15.545		350.54			
		Deduction	-1	7.163	7.925		-56.77			
		Staircase								
		Angle	2	3.048	1.610		9.81			
		Landing	1	1.524	3.650		5.56			
		Deduction	-1	4.572	3.650		-16.69			
							292.46	Sqm	375.00	Rs. 1,09,673.38
7.3	A5.6.1.5	Centering and shuttering including strutting, propping etc. and removal of formwork for : Lintels, beams, plinth beams etc.								
		Roof beams								
		BG1								
		Item measurement as per 6.3	1	260.841	1.150		299.97			
		Total Shuttering for Roof Beams					299.97	Sqm	301.77	Rs. 90,521.09
7.4	A5.6.1.6	Centering and shuttering including strutting, propping etc. and removal of formwork for : Columns, Post and Struts etc.								
		Columns								
		CG1	35	1.500		2.900	152.25			
		CG2	0	1.884		5.025	0.00			
		Total Shuttering for Columns					152.25	Sqm	439.50	Rs. 66,913.88
<b><u>STEEL REINFORCEMENT</u></b>										
8.1	A5.18.4	Reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete. Hot rolled deformed bars (Tor).								
			Nos	Length	Bar Nos	Kg/m	Kg			
		Columns								
		CG1								
		Vertical Main bars (20mm dia)	35	2.900	4	2.467	1001.60			
		Vertical Main bars (16mm dia)	35	2.900	4	1.579	641.07			
		Lap length (20mm dia)	35	1.000	4	2.467	345.38			
		Lap length (16mm dia)	35	0.800	4	1.579	176.85			
		Lateral Ties / Stirrups	35	1.450	13	0.395	268.62			
		(8mm dia @ 150c/c for 2010 mm)	35	1.095	13	0.395	202.85			
		Confinement reinforcement	35	1.450	18	0.395	358.16			
		(8mm dia @ 75c/c for 670 mm from both edges)	35	1.095	18	0.395	270.47			
		Roof beams								
		BG1								
		(total length)		260.841						
		Horizontal Top bars (16mm dia)	1	260.841	3	1.579	1235.60			
		Horizontal Bottom bars (16mm dia)	1	260.841	3	1.579	1235.60			
		Horizontal Extra bars at Support (16mm dia)	1	130.421	2	1.579	411.87			
		Lateral Ties / Stirrups (8mm dia)	1	1.068	2670	0.395	1126.24			
		Slabs								
		Along x-axis		22.550						
		Bottom bars (10mm dia @ 150mm c/c)	1	22.550	150	0.620	2101.81			
		Lapping (10mm dia)	1	0.940	150	0.620	87.58			
		top bars (10mm dia @ 150mm c/c)	1	7.517	50	0.620	233.53			
		Lapping (10mm dia)	1	0.313	50	0.620	9.73			

Sl. No.	Schedule No.	Particulars/Items of work	Nos.	Length (m)	Breadth (m)	Height/ Depth (m)	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
		Along y-axis		15.545						
		Bottom bars (10mm dia @ 150mm c/c)	1	15.545	104	0.620	998.81			
		Lapping (10mm dia)	1	0.648	104	0.620	41.62			
		top bars (10mm dia @ 150mm c/c)	1	5.182	35	0.620	110.98			
		Lapping (10mm dia)	1	0.216	35	0.620	4.62			
		deduction for (grid A3-C3 and A6-C6)& staircase								
		Along x-axis		10.763						
		Bottom bars (10mm dia @ 200mm c/c)	-1	10.763	72	0.620	-478.81			
		Lapping (10mm dia)	-1	0.448	72	0.620	-19.95			
		top bars (10mm dia @ 150mm c/c)	-1	3.588	24	0.620	-53.20			
		Lapping (10mm dia)	-1	0.149	24	0.620	-2.22			
		Along y-axis		12.425						
		Bottom bars (10mm dia @ 150mm c/c)	-1	12.425	83	0.620	-638.11			
		Lapping (10mm dia)	-1	0.518	83	0.620	-26.59			
		top bars (10mm dia @ 150mm c/c)	-1	4.142	28	0.620	-70.90			
		Lapping (10mm dia)	-1	0.173	28	0.620	-2.95			
		Staircase								
		Angle								
		Along x-axis		3.048						
		Bottom bars (10mm dia @ 150mm c/c)	2	3.048	20	0.620	76.80			
		top bars (10mm dia @ 150mm c/c)	4	1.016	7	0.620	17.07			
		Along y-axis		1.610						
		Bottom bars (10mm dia @ 150mm c/c)	2	1.610	11	0.620	21.43			
		top bars (10mm dia @ 150mm c/c)	4	0.537	4	0.620	4.76			
		Landing								
		Along x-axis		1.524						
		Bottom bars (10mm dia @ 150mm c/c)	1	1.524	10	0.620	9.60			
		top bars (10mm dia @ 150mm c/c)	2	0.508	3	0.620	2.13			
		Along y-axis		3.650						
		Bottom bars (10mm dia @ 150mm c/c)	1	3.650	24	0.620	55.07			
		top bars (10mm dia @ 150mm c/c)	2	1.217	8	0.620	12.24			
							9769.36	Kg	92.91	Rs. 9,07,671.26
BRICKWORK										
9.2	A6.1.4 + A6.2	Extra for brick work in superstructure above plinth level up to floor fifth level in prop 1:4 (1cem : 4coarse sand)								
		Grid 1-1	1	0.000	0.250	2.900	0.00			
		Grid 2-2	1	0.000	0.250	2.900	0.00			
		Grid 3-3	1	0.000	0.250	2.900	0.00			
		Grid 4-4	1	0.000	0.250	2.900	0.00			
		Grid 5-5	1	0.000	0.250	2.900	0.00			
		Grid 6-6	1	31.089	0.250	2.900	22.54			
		Grid A-A	1	6.858	0.250	2.900	4.97			
		Grid B-B	1	0.000	0.250	2.900	0.00			
		Grid C-C	1	0.000	0.250	2.900	0.00			
		Grid D-D	1	0.000	0.250	2.900	0.00			
		Grid E-E	1	9.450	0.250	2.900	6.85			
		Grid F-F	1	3.048	0.250	2.900	2.21			
		Grid G-G	1	14.021	0.250	2.900	10.17			
		Grid H-H	1	0.000	0.250	2.900	0.00			
		Grid I-I	1	14.021	0.250	2.900	10.17			
		Total length of fullbrick walls		78.487	m					
		Deduction								
		D1	0	0.750	0.250	2.100	0.00			
		D2	-2	0.900	0.250	2.100	-0.95			
		D3	-5	1.200	0.250	2.100	-3.15			
		D4	0	2.100	0.250	2.400	0.00			
		V1	-1	1.200	0.250	0.400	-0.12			
		V2	0	1.200	0.250	0.400	0.00			
		W2	0	1.200	0.250	2.134	0.00			
		W3	-12	1.676	0.250	2.134	-10.73			
		Total Brickwork in Superstructure					41.96	Cum	9455.40	Rs. 3,96,732.73
9.3	A6.14.2+ A6.15	Extra halfbrick work in superstructure above plinth level up to floor five level.in prop 1:4(1cem : 4coarse sand).								
		Grid 1-1	1	0.000		2.900	0.00			
		Grid 2-2	1	0.000		2.900	0.00			
		Grid 3-3	1	16.154		2.900	46.85			
		Grid 4-4	1	0.000		2.900	0.00			
		Grid 5-5	1	23.166		2.900	67.18			
		Grid 6-6	1	0.000		2.900	0.00			
		Grid A-A	1	0.000		2.900	0.00			
		Grid B-B	1	0.000		2.900	0.00			
		Grid C-C	1	6.858		2.900	19.89			
		Grid D-D	1	0.000		2.900	0.00			
		Grid E-E	1	0.000		2.900	0.00			
		Grid F-F	1	0.000		2.900	0.00			
		Grid G-G	1	0.000		2.900	0.00			
		Grid H-H	1	4.572		2.900	13.26			
		Grid I-I	1	0.000		2.900	0.00			
		Non Grid elements	1	45.410		2.900	131.69			
		Total half brickwork		96.160	m		278.86	Sqm	906.63	Rs. 2,52,826.47
WOODWORK										
10.1	A8.1.2	Providing woodwork in frames of doors, windows, celestories and other frames and fixed in position with seasoned and chemically treated hollock wood, koroi, titachap, etc.								
		Doors								
		D2	2	0.900	0.130	0.080	0.02			

Sl. No.	Schedule No.	Particulars/Items of work	Nos.	Length (m)	Breadth (m)	Height/ Depth (m)	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
			4	2.100	0.130	0.080	0.09			
		D3	5	1.200	0.130	0.080	0.06			
			10	2.100	0.130	0.080	0.22			
		Total woodwork in Door Frames					0.39	Cum	45201.32	Rs. 17,487.49
10.2	A8.6.2	Providing and fixing panelled or panelled and glazed shutters for doors, windows including ISI marked black enameled M.S. butt hinges with necessary screws excluding panelling which will be paid for separately. 35mm thick with seasoned and chemically treated hollock wood, koroi, Titachap, Bhola								
		Doors								
		D2	2	0.900		2.100	3.78			
		D3	5	1.200		2.100	12.60			
		Total woodwork in Door Panels					16.38	Sqm	2977.27	Rs. 48,767.68
STEELWORK										
11.1	A9.13.4	Providing and fixing ISI marked steel glazed doors, windows and ventilators of standard rolled steel sections, joints mitred and welded with 15x3mm lugs, 10cm long, embedded in cement concrete blocks 15x10x10cm of 1:3:6 including providing and fixing. Top hung Ventilators								
		V1	1	1.200		0.400	0.48			
							0.48	Sqm	2935.60	Rs. 1,409.09
11.2	A9.13.3	Providing and fixing ISI marked steel glazed doors, windows and ventilators of standard rolled steel sections, joints mitred and welded with 15x3mm lugs, 10cm long, embedded in cement concrete blocks 15x10x10cm of 1:3:6 including providing and fixing. Side Hung Windows								
		W3	12	1.676		2.134	42.92			
							42.92	Sqm	2283.25	Rs. 97,994.83
11.3	A8.39.2	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. all complete. Fixed to openings/wooden frames with rawl plugs screws.								
		W3	12	1.676		2.134	42.92			
							42.92	sqm		
						Kg @ 4.5kg/m <sup>2</sup>	193.14	Kg/m <sup>2</sup>	112.50	Rs. 21,727.75
11.4	A9.36.1	Providing and fixing hand rails by welding etc. to steel ladder railing, balcony railing & staircase railing including applying a priming coat of approved steel primer with M.S. tube (medium) 40mm nominal dia								
		Horizontals	2	3.048			6.10			
		Verticals	21	0.900			18.90			
							18.90	m		
						Kg @ 2.5kg/m	47.25	Kg	183.62	Rs. 8,676.05
FLOORING										
12.3	A 10.39	Kota stone slabs 25 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 and jointed with grey cement slurry mixed with pigment to match the shade of the slabs. including rubbing and polishing complete.								
		Fullbrick Walls (as per item 9.2)	1	78.487		0.150	11.77			
		Halfbrick Walls (as per item 9.3)	2	96.160		0.150	28.85			
		Staircase								
		Angle	2	3.048		0.150	0.91			
		Landing	1	1.524		0.150	0.23			
		Total Skirting Work					41.76	Sqm	1911.67	Rs. 79,839.08
12.5	A 10.38.1	Kota stone slab flooring over 20mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete with base of 1 : 4 ( 1 cement : 4 coarse sand): 25 mm thick								
		Floor area (as per item 12.2)	1	379.132			379.13			
		Staircase								
		Thread	19	1.610	0.300		9.18			
		Landing	1	1.524	3.650		5.56			
		Riser	20	3.650		0.152	11.10			
		deduct toilet	-1	5.570	4.877		-27.16			
							404.97	Sqm	1724.44	Rs. 6,98,342.49
FINISHING										
13.1	A13.10	Providing 12mm thick cement plaster of mix 1:3 (1cement :3coarse sand) finished with a floating coat of neat cement)								
		walls (qty as per item 9.2+9.3)	2	174.647		2.748	959.86			
		Deduction			nos					
		D1	0	0.750	2.000	2.100	0.00			
		D2	-2	0.900	2.000	2.100	-7.56			
		D3	-5	1.200	2.000	2.100	-25.20			
		D4	0	2.100	2.000	2.400	0.00			
		V1	-1	1.200	2.000	0.400	-0.96			
		V2	0	1.200	2.000	0.400	0.00			
		W2	0	1.200	2.000	2.134	0.00			
		W3	-12	1.676	2.000	2.134	-85.84			
							840.30	Sqm	247.19	Rs. 2,07,714.23
13.2	A13.27	Providing and applying plaster of paris putty of 2mm thickness over plastered surface to prepare the surface even and smooth completes:								
		Total Primer work					840.30	Sqm	619.36	Rs. 5,20,449.38
13.3	A13.48.1	Finishing walls with Acrylic Smooth exterior paint "Trump" of M/s Snowcem India Ltd or equivalent of required shade. New work (Two or more coat applied @ 1.67 ltr/10 Sqm over and including base coat of water proofing cement paint Snowcem Plus or equivalent applied @ 2.20 kg/ 10 Sqm)								
		External wall painting	1	99.600		2.748	273.70			
		External wall painting					273.70	Sqm	148.13	Rs. 40,543.30
13.4	A13.50.1	Finishing walls with delux multi- surface paint system "Uni-gloss of M/s Snowcem India ltd. or equivalent for interiors using priming as per manufacturers specifications. Two or more coats applied @ 1.25ltr/10sqm over and including one coat of special primer applied @0.75 ltr/10sqm.								
		Internal wall painting	2	75.047		2.900	435.27			
		Ceiling (as per item 12.1)	1	379.132			379.13			
		Internal wall painting					814.40	Sqm	171.86	Rs. 1,39,963.59
13.5	A13.50.3	Painting steelworks with delux multi-surface paint "Uni-gloss" of M/s Snowcem India Ltd. Or equivalent to give an even shade. Two or more coat applied @ 0.90Ltr/10 sqm over an undercoat of primer UG or equivalent, applied @ 0.80ltr./10 sqm of approved brand.								
		Windows & Ventilators painting	1				172.64	Sqm	144.65	Rs. 24,971.80
13.6	A13.52.1	Applying priming coat with ready mixed pink or grey primer of approved brand and manufacture on woodworks (hard and soft wood).								
		Door Priming	1				32.76	Sqm	43.26	Rs. 1,417.20
13.7	A13.50.2	Painting wood works with delux multi-surface paint "Uni-gloss" of M/s Snow cem India Ltd. Or equi valent to give an even shade. Two or more coats applied @ 0.90Ltr/10 sqm over an undercoat of primer C-W or equi valent, applied @ 0.75ltr./10 sqm.								
		Door Painting	1				32.76	Sqm	145.04	Rs. 4,751.51
FITTINGS										

Sl. No.	Schedule No.	Particulars/Items of work	Nos.	Length (m)	Breadth (m)	Height/ Depth (m)	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
14.1	A8.44	Providing 40x5 mm flat iron hold fasts 40cm long including fixing to frame with 10mm diameter bolts, nuts and wooden plugs and embeddings in cement concrete block 30x10x15 cm 1:3:6 mix (1cem :3coarse sand :6graded stone aggregate 20mm nom size).								
		D2	8							
		D3	20				20.00			
		Total Door Holdfasts					0.00	Each	133.17	Rs. 0.00
14.2	A8.90.1	Providing and fixing aluminium sliding door bolts ISI marked anodised transparent or dyed to required color or shade with nuts and screws etc. complete of 300mmx16mm size.								
		D2	6							
		D3	10				10.00			
		Total Door Sliding Bolts					0.00	Each	282.50	Rs. 0.00
14.3	A8.91.1	Providing and fixing aluminium tower bolts ISI marked anodised transparent or dyed to required color or shade with nuts and screws etc. complete of 300mmx10mm size.								
		D2	3							
		D3	5				5.00			
		Total Door Tower Bolts					0.00	Each	133.74	Rs. 0.00
14.4	A8.94.1	Providing and fixing aluminium handles ISI marked anodised transparent or dyed to required color or shade with nuts and screws etc. complete of 125mm size.								
		D2	6							
		D3	10				10.00			
		Total Door Handles					0.00	Each	105.00	Rs. 0.00
14.5	A8.46.3	Providing and fixing ISI marked M.S. pressed butt hinges bright finished with necessary screws etc. complete. 75x47x1.70 mm								
		D2	9							
		D3	15				15.00			
		Total Door Hinges					0.00	Each	33.66	Rs. 0.00
15.1	A16.1.2.1	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately) Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)								
			1	8.534		2.900	24.75			
			1	4.267		2.900	12.37			
			1	3.353		2.900	9.72			
			1	7.620		2.900	22.10			
			1	7.163		2.900	20.77			
			1	7.924		2.900	22.98			
							112.70			
				Converting to Kg @ 11.48kg/sqm			1293.76	kg	454.25	Rs. 5,87,690.67
ROOFING										
16.1	A9.18.1	Steel work in built up tubular trusses including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, welded and bolted including special shaped washers etc.complete. Hot finished welded type tubes								
		Truss A		length	Bore size	weight/m	Kg			
		King post/Chord Z	1	1.670	NB50(M)	5.10	8.52			
		Rafter/Chord X	1	3.300	NB50(M)	5.10	16.83			
		Main Tie/Chord Y	1	9.290	NB50(M)	5.10	47.38			
		Strut/Chord B	1	1.880	NB40(M)	3.61	6.79			
		Strut/Chord C	1	1.460	NB40(M)	3.61	5.27			
		Strut/Chord D	1	1.750	NB40(M)	3.61	6.32			
		Strut/Chord E	1	1.240	NB40(M)	3.61	4.48			
		Strut/Chord F	1	1.580	NB40(M)	3.61	5.70			
		Strut/Chord G	1	1.030	NB40(M)	3.61	3.72			
		Strut/Chord H	1	1.450	NB40(M)	3.61	5.23			
		Strut/Chord I	1	0.850	NB40(M)	3.61	3.07			
		Strut/Chord J	1	1.370	NB40(M)	3.61	4.95			
		Strut/Chord K	1	0.580	NB40(M)	3.61	2.09			
		Strut/Chord L	1	1.270	NB40(M)	3.61	4.58			
		Strut/Chord M	1	0.390	NB40(M)	3.61	1.41			
		Strut/Chord O	1	1.210	NB40(M)	3.61	4.37			
					Total for 1no. of truss		130.70			
					Total for 4 no. of truss		522.81			
		Purlins on truss A	9	15.540	NB50(M)	5.10	713.29			
				Total			1236.10	kg	186.76	Rs. 2,30,853.36
		Base Plate-12mm thick MS plate	10	0.25	0.25		0.63	sqm		
			Weight of 12mm MS plate @ 94.20kg/sqm				58.88	kg	186.76	Rs. 10,995.50
16.2	A12.18.3	Providing trapezoidal Profiled Sheet (width 1120 mm) DYNA roofing complete (upto a pitch of 60 degrees) excluding the cost of purlins, rafters and trusses. 0.60 mm thick								
			1	15.540	9.450		146.85			
							146.85	sqm	1950.94	Rs. 2,86,501.39
16.3	A12.19.3	Providing Plain sheet ridges, gutter, valley fixed with polymer coated J or L hooks, bolts and nuts and Scres complete. 0.60 mm thick								
			2	9.30			18.60	m	790.20	Rs. 14,697.72

Sl. No.	Schedule No.	Particulars/Items of work	Nos.	Length (m)	Breadth (m)	Height/ Depth (m)	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
10.1	A8.99	Providing and fixing ceiling above 2.40 m height having compositethickness of 89 mm consisting of frame and double skin 8.5 mm thick Glass Reinforced Gypsum (GRG) board manufactured by spray suction technique with high strength plaster of paris conforming to IS : 8272 and glass fibre of E-glass or A-glass or N-glass in the form of rovings, not less than 2.5% by weight of plaster of paris and conforming to IS : 11320 including providing and fixing frame work made of special section power pressed from MS sheet and galvanised with Zinc coating of Grade 175 and consisting of floor and ceiling channel 72 mm wide having equal flanges of 32 mm width 0.50 mm thick fixed to floor/ceiling at the spacing of 610 mm centre to centre with dash fastner of 12.5 mm dia meter 40 mm length and the studs 70 mm wide having one flange of 34 mm and other flange 36 mm and 0.50 mm thick fixed vertically within flanges of floor and ceiling channel and placed at a spacing of 610 mm centre to centre by 6 mm dia bolts and nuts and studs at both ends of partition fixed flush to wall with rawl plugs at the spacing of 450 mm centre to centre and fixing of GRG boards to either side of frame work by 20 mm long drive all screws on studs, floors and ceiling channels at the spacing of 300 mm centre to centre, including jointing and finishing to a flush finish with recommended joint filler, joint paper tape and joint finisher and two coats of primer suitable for GRG board as per manufacturers specifications all complete.								
		Grid GI-1 to Grid GI-6	1	14.020	8.530		119.59			
							119.59	Cum	2222.34	Rs. 2,65,770.97
TOTAL COST										Rs. 58,46,055.63

Sl. No.	Schedule No.	Particulars/Items of work	Nos.	Length (m)	Breadth (m)	Height/ Depth (m)	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
<b>SECOND FLOOR</b>										
<b>REINFORCED CEMENT CONCRETE</b>										
6.2	A5.2.3	R.C.C work in walls (any thickness) including attached pilasters, columns, pillars, abutments etc. up to floor five level excluding cost of centering, shuttering, finishing and reinforcement in prop 1:2:4 (1 cem: 2coarse sand: 4graded stone aggregate of 20mm)								
		CG1	4	0.300	0.450	2.900	1.57			
		CG2	0	0.283		5.025	0.00			
							1.57	Cum	9076.85	Rs. 14,214.35
6.3	A5.3	R.C.C. works in beams, suspended floors, roofs having slope up to 15°,landings, chajjas, lintels, staircases etc, up to floor five level excluding the cost of centering, shuttering, finishing and reinforcement etc. in prop 1:2:4 (1cem :2Coarse sand :4Graded stone aggregate 20 mm)								
		Roof beams								
		BG1								
			1	23.469	0.250	0.450	2.64			
		Total length of BG1		23.469	m					
		Total for RCC Beams					2.64	Cum	9087.07	Rs. 23,992.25
		Slabs								
		Slab incl. chajjas & corridors	1	4.520	3.650	0.125	2.06			
		Total for RCC Slabs					2.06	Cum	9087.07	Rs. 18,739.81
<b>FORMWORK</b>										
7.2	A5.6.1.3	Centering and shuttering including strutting, propping etc. and removal of formwork for : Suspended floors,roofs, landings, balconies, etc.								
		Slabs								
		Slab	1	4.520	3.650		16.50			
							16.50	Sqm	375.00	Rs. 6,186.75
7.3	A5.6.1.5	Centering and shuttering including strutting, propping etc. and removal of formwork for : Lintels, beams, plinth beams etc.								
		Roof beams								
		BG1								
		Item measurement as per 6.3	1	23.469	1.150		26.99			
		Total Shuttering for Roof Beams					26.99	Sqm	301.77	Rs. 8,144.58
7.4	A5.6.1.6	Centering and shuttering including strutting, propping etc. and removal of formwork for : Columns, Post and Struts etc.								
		Columns								
		CG1	4	1.500		2.900	17.40			
		Total Shuttering for Columns					17.40	Sqm	439.50	Rs. 7,647.30
<b>STEEL REINFORCEMENT</b>										
8.1	A5.18.4	Reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete. Hot rolled deformed bars (Tor).								
			Nos	Length	Bar Nos	Kg/m	Kg			
		Columns								
		CG1								
		Vertical Main bars (20mm dia)	4	2.900	4	2.467	114.47			
		Vertical Main bars (16mm dia)	4	2.900	4	1.579	73.27			
		Lap length (20mm dia)	4	1.000	4	2.467	39.47			
		Lap length (16mm dia)	4	0.800	4	1.579	20.21			
		Lateral Ties / Stirrups	4	1.450	13	0.395	30.70			
		(8mm dia @ 150c/c for 2010 mm)	4	1.095	13	0.395	23.18			
			0	0.000	0	0.395	0.00			
		Confinement reinforcement	4	1.450	18	0.395	40.93			
		(8mm dia @ 75c/c for 670 mm from both edges)	4	1.095	18	0.395	30.91			
			0	0.000	18	0.395	0.00			
		Roof beams								
		BG1								
		(total length)		23.469						
		Horizontal Top bars (16mm dia)	1	23.469	3	1.579	111.17			
		Horizontal Bottom bars (16mm dia)	1	23.469	3	1.579	111.17			
		Horizontal Extra bars at Support (16mm dia)	1	11.735	2	1.579	37.06			
		Lateral Ties / Stirrups (8mm dia)	1	1.068	2670	0.395	1126.24			
		Slabs								
		Along x-axis		4.520						
		Bottom bars (10mm dia @ 150mm c/c)	1	4.520	30	0.620	84.45			
		Lapping (10mm dia)	1	0.188	30	0.620	3.52			
		top bars (10mm dia @ 150mm c/c)	1	1.507	10	0.620	9.38			
		Lapping (10mm dia)	1	0.063	10	0.620	0.39			
		Along y-axis		3.650						
		Bottom bars (10mm dia @ 150mm c/c)	1	3.650	24	0.620	55.07			
		Lapping (10mm dia)	1	0.152	24	0.620	2.29			
		top bars (10mm dia @ 150mm c/c)	1	1.217	8	0.620	6.12			
		Lapping (10mm dia)	1	0.051	8	0.620	0.25			
							1920.26	Kg	92.91	Rs. 1,78,410.90
<b>BRICKWORK</b>										
9.2	A6.1.4 + A6.2	Extra for brick work in superstructure above plinth level up to floor fifth level in prop 1:4 (1cem : 4coarse sand)								
		Staircase	1	11.880	0.250	2.900	8.61			
		Along grid GG	1	9.450	0.250	1.000	2.36			
		Parapet	1	57.300	0.125	1.000	7.16			
		area of walls		101.202	sqm					
		Total Brickwork in Superstructure					18.14	Cum	9455.40	Rs. 1,71,502.05
<b>FINISHING</b>										
13.1	A13.10	Providing 12mm thick cement plaster of mix 1:3 (1cement :3coarse sand) finished with a floating coat of neat cement)								
		walls (qty as per item 9.2)	2	101.202			202.40			
							202.40	Sqm	247.19	Rs. 50,032.24

Sl. No.	Schedule No.	Particulars/Items of work	Nos.	Length (m)	Breadth (m)	Height/ Depth (m)	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
13.2	A13.27	Providing and applying plaster of paris putty of 2mm thickness over plastered surface to prepare the surface even and smooth completes:								
		Total Primer work					202.40	Sqm	619.36	Rs. 1,25,360.94
13.3	A13.48.1	Finishing walls with Acrylic Smooth exterior paint "Trump" of M/s Snowcem India Ltd or equivalent of required shade. New work (Two or more coat applied @ 1.67 ltr/10 Sqm over and including base coat of water proofing cement paint Snowcem Plus or equivalent applied @ 2.20 kg/ 10 Sqm)								
		External wall painting	1	66.750		2.900	193.58			
		External wall painting					193.58	Sqm	148.13	Rs. 28,674.26
13.4	A13.50.1	Finishing walls with delux multi- surface paint system "Uni-gloss of M/s Snowcem India ltd. or equivalent for interiors using priming as per manufacturers specifications. Two or more coats applied @ 1.25ltr/10sqm over and including one coat of special primer applied @0.75 ltr/10sqm.								
		Internal wall painting	1	11.880		2.900	34.45			
		Ceiling (as per item 12.1)	1	16.498			16.50			
		Internal wall painting					50.95	Sqm	171.86	Rs. 8,756.27
TOTAL COST										Rs. 6,41,661.70



BLOCK II (FACULTY ROOMS, LIBRARY & COMPUTER CENTRE)

DETAILED ESTIMATE

i) All particulars and percentages are as per applicable Nagaland PWD Schedule of Rates 2013

ii) All amounts and plinth area rates as per the Nagaland PWD Schedule of Rates for buildings 2013 for Mon District

Sl. No.		Particulars/Items of work	Amount (in Rupees)	Remarks
A		Cost of Civil Works as per NPWD SOR 2013		
	1	Cost of Ground Floor (463sqm)	Rs. 93,83,710.86	Annexure - BII
		Cost of First Floor (492 sqm)	Rs. 57,93,684.45	Annexure - BIII
		Cost of Second Floor (30 sqm)	Rs. 8,82,405.81	Annexure - BIV
		Total Cost	Rs. 1,60,59,801.12	
B		Cost of Services [% to be applied to the cost of the building Structure (A)]*		
	1	Add 10% for site levelling and approach road	Rs. 9,38,371.09	
	2	Add 7.5% for water supply & sanitary installations	Rs. 12,04,485.08	
	3	Add 12.5% for internal electrification	Rs. 20,07,475.14	
	4	Add 5% of external electrification	Rs. 8,02,990.06	
	5	Add 1% for rain water harvesting	Rs. 1,60,598.01	
	6	Add 30% for office furniture and equipment	Rs. 48,17,940.34	
		Total cost of Services	Rs. 99,31,859.71	
C		Total cost of structure and services		
	1	add A+B	Rs. 2,59,91,660.83	
D		Agency Charges and Contingencies [%to be applied to the total cost of structure and services (C)]		
	1	add 4% for Consultancy charges	Rs. 10,39,666.43	
	2	add 3% for Contingencies	Rs. 7,79,749.82	
	3	add 2% for WorkCharged Establishment	Rs. 5,19,833.22	
		Total cost of Agency charges and Contingencies	Rs. 23,39,249.47	
E		Total Cost of structure, agency and services		
	1	add C+D	Rs. 2,83,30,910.30	
		Say	Rs. 2,83,31,000.00	

BLOCK II (FACULTY ROOMS, LIBRARY & COMPUTER CENTRE)

MEASUREMENT SHEET

i) The estimate is prepared basing on Nagaland PWD Schedule of Rates for Buildings 2013  
ii) Schedule. No. refers to code no. of the item in Nagaland PWD Schedule of Rates for buildings 2013

Measurement Sheet										
Sl. No.	Schedule No.	Particulars/Items of work	Nos.	Length (m)	Breadth (m)	Height/ Depth (m)	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
GROUND FLOOR										
EARTHWORK										
1.1	A2.6.1	Earth work in excavation over areas (exceeding 30 cm in depth, 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50 m and lift upto 1.5 m, disposed earth to be levelled and neatly dressed. All kinds of soil.								
		Footings								
		FG1	35	2.000	2.100	2.000	294.00			
		FG2	3	4.200	2.000	2.000	50.40			
		Plinth								
		PBG1								
		Grid 6-6	1	31.089	0.250	0.500	3.89			
		Grid 5-5	1	31.089	0.250	0.500	3.89			
		Grid 4-4	1	7.925	0.250	0.500	0.99			
		Grid 3-3	1	31.089	0.250	0.500	3.89			
		Grid 2-2	1	7.010	0.250	0.500	0.88			
		Grid 1-1	1	31.089	0.250	0.500	3.89			
		Grid A-A	1	14.021	0.250	0.500	1.75			
		Grid B-B	1	14.021	0.250	0.500	1.75			
		Grid C-C	1	14.021	0.250	0.500	1.75			
		Grid D-D	1	14.021	0.250	0.500	1.75			
		Grid E-E	1	14.021	0.250	0.500	1.75			
		Grid F-F	1	12.497	0.250	0.500	1.56			
		Grid G-G	1	14.021	0.250	0.500	1.75			
		Grid H-H	1	14.021	0.250	0.500	1.75			
		Grid I-I	1	14.021	0.250	0.500	1.75			
				263.956			377.39	Cum	309.38	Rs. 1,16,758.31
1.2	A2.25	Filling available of excavated earth (excluding rock) in trenches,plinths, sides of fdns in layers not exceeding 20cm in depth consolidating each layer by ramming and watering, lead up to 50m and lift 1.5m.								
		Footings								
		FG1	35	2.000	2.100	2.000	294.00			
		FG2	3	4.200	2.100	2.000	52.92			
		deduction for RCC in FG1	-1	80.607			-80.61			
		deduction for RCC in FG2	-1	13.682			-13.68			
		Ground Floor	1	31.089	14.021	0.200	87.18			
		Deduction	-1	263.956	0.400	0.200	-21.12			
			-1	7.163	7.925	0.200	-11.35			
							307.34	Cum	110.14	Rs. 33,850.54
STONE SOILING										
2.1	A 10.1	Providing 100mm thick soling with approved quality of stone including carriage,watering, ramming consolidation etc. 1:6 (1 cement : 6 Coarse Sand)								
		Footings								
		FG1	35	2.000	2.100		147.00			
		FG2	3	4.200	2.000		25.20			
		Plinth Beams								
		all plinth beams	1	263.956	0.250		65.99			
		floor	1	31.089	14.021		435.90			
							674.09	Sqm	339.77	Rs. 2,29,034.84
ANTI-TERMITE TREATMENT										
3.1	A2.35.3.1	Diluting and injecting Chemical emulsion for postconstructional anti-termite treatment (excluding the cost of chemical emulsion) Treatment of soil under existing floors using chemical emulsion @ 1 litre per hole etc complete. With Chlorpyiphos/Lindane E.C. 20% with 1% concentration								
		Floor								
		Ground Floors	1	31.089	14.021		435.90			
			-1	7.163	7.925					
		Deduction	-1	263.956	0.400		-105.58			
		Footings								
		FG1	35	2.000	2.100		147.00			
		FG2	3	4.200	2.000		25.20			
							502.52	Sqm	104.50	Rs. 52,512.97
DAMP PROOF COURSE										
4.1	A4.9	Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 cement:2 coarse: 4 graded stone aggregate 12.5 mm nominal size)								
		Under Walls								
		all walls	1	263.956	0.250		65.99			
		deduction								
		D1	-5	0.750	0.250		-0.94			
		D3	-9	0.900	0.250		-2.03			
		D3	-1	1.200	0.250		-0.30			
		Total DPC work					62.73	Sqm	291.36	Rs. 18,275.99
PLAIN CEMENT CONCRETE										
5.1	A4.1.5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering in prop 1:3:6 (1cem :3coarse sand :6 graded stone aggregate).								
		Footings								
		FG1	35	2.000	2.100	0.150	22.05			
		FG2	3	4.200	2.000	0.150	3.78			

Sl. No.	Schedule No.	Particulars/Items of work	Nos.	Length (m)	Breadth (m)	Height/ Depth (m)	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
		Plinth Beams								
		all plinth beams	1	263.956	0.250	0.150	9.90			
							35.73	Cum	7841.60	Rs. 2,80,167.43
REINFORCED CEMENT CONCRETE										
6.1	A5.1.3	Providing and laying in position specified grade of R.C.C excluding the cost of centering, shuttering finishing and reinforcement all works up to plinth level.in prop 1:2:4								
		Footings								
		FG1	35	2.000	2.100	0.200	29.40			
		Trapezoidal	35	2.168		0.675	51.21			
		FG2	3	4.200	2.000	0.200	5.04			
		Trapezoidal	3	4.268		0.675	8.64			
		Plinth beams								
		PBG1								
		Grid 6-6	1	31.089	0.250	0.450	3.50			
		Grid 5-5	1	31.089	0.250	0.450	3.50			
		Grid 4-4	1	7.925	0.250	0.450	0.89			
		Grid 3-3	1	31.089	0.250	0.450	3.50			
		Grid 2-2	1	7.010	0.250	0.450	0.79			
		Grid 1-1	1	31.089	0.250	0.450	3.50			
		Grid A-A	1	14.021	0.250	0.450	1.58			
		Grid B-B	1	14.021	0.250	0.450	1.58			
		Grid C-C	1	14.021	0.250	0.450	1.58			
		Grid D-D	1	14.021	0.250	0.450	1.58			
		Grid E-E	1	14.021	0.250	0.450	1.58			
		Grid F-F	1	12.497	0.250	0.450	1.41			
		Grid G-G	1	14.021	0.250	0.450	1.58			
		Grid H-H	1	14.021	0.250	0.450	1.58			
		Grid I-I	1	14.021	0.250	0.450	1.58			
		Staircase	1	4.260	0.250	0.450	0.48			
		Total length of PBG1		268.216	m					
		base of columns								
		CG1	35	0.300	0.450	0.875	4.13			
		CG2 (circular)	2	0.283		0.875	0.49			
							129.09	Cum	8941.71	Rs. 11,54,304.12
6.2	A5.2.3	R.C.C work in walls (any thickness) including attached pilasters, columns, pillars, abutments etc. up to floor five level excluding cost of centering, shuttering, finishing and reinforcement in prop 1:2:4 (1 cem: 2coarse sand: 4graded stone aggregate of 20mm)								
		CG1	35	0.300	0.450	2.900	13.70			
		CG2	2	0.283		5.025	2.84			
							16.54	Cum	9076.85	Rs. 1,50,154.97
6.3	A5.3	R.C.C. works in beams, suspended floors, roofs having slope up to 15°,landings, chajjas, lintels, staircases etc, up to floor five level excluding the cost of centering, shuttering, finishing and reinforcement etc. in prop 1:2:4 (1cem :2Coarse sand :4Graded stone aggregate 20 mm)								
		Roof beams								
		BG1								
		Grid 6-6	1	31.089	0.250	0.450	3.50			
		Grid 5-5	1	31.089	0.250	0.450	3.50			
		Grid 4-4	1	7.925	0.250	0.450	0.89			
		Grid 3-3	1	31.089	0.250	0.450	3.50			
		Grid 2-2	1	7.010	0.250	0.450	0.79			
		Grid 1-1	1	31.089	0.250	0.450	3.50			
		Grid A-A	1	14.021	0.250	0.450	1.58			
		Grid B-B	1	14.021	0.250	0.450	1.58			
		Grid C-C	1	14.021	0.250	0.450	1.58			
		Grid D-D	1	14.021	0.250	0.450	1.58			
		Grid E-E	1	14.021	0.250	0.450	1.58			
		Grid F-F	1	12.497	0.250	0.450	1.41			
		Grid G-G	1	14.021	0.250	0.450	1.58			
		Grid H-H	1	14.021	0.250	0.450	1.58			
		Grid I-I	1	14.021	0.250	0.450	1.58			
		Extension/Chajja portions	1	22.250	0.250	0.450	2.50			
		Porch Beam	1	16.450	0.250	0.450	1.85			
		Total length of BG1		302.656	m					
		Total for RCC Beams					34.05	Cum	9087.07	Rs. 3,09,403.83
		Slabs								
		Slab incl. chajjas & corridors	1	32.613	15.545	0.125	63.37			
		Porch Slab	1	24.580		0.125	3.07			
		Deduction	-1	7.163	7.925	0.125	-7.10			
		Staircase								
		Angle	2	3.048	1.610	0.125	1.23			
		Landing	1	1.524	3.650	0.125	0.70			
		Deduction for slab in staircase block	-1	4.572	3.650	0.125	-2.09			
		Total for RCC Slabs					59.18	Cum	9087.07	Rs. 5,37,808.78
FORMWORK										
7.1	A5.6.1.1	Centering and shuttering including strutting, propping etc. and removal of formwork for : Foundations, bases of columns, etc								
		Footings								
		FG1	35	8.200		0.150	43.05			
		FG2	3	12.400		0.150	5.58			
		Base of Columns								
		CG1	35	1.500		0.875	45.94			
		CG2	2	1.884		0.875	3.30			
							97.86	Sqm	265.00	Rs. 25,934.09
7.2	A5.6.1.3	Centering and shuttering including strutting, propping etc. and removal of formwork for : Suspended floors,roofs, landings, balconies, etc.								
		Slabs								

Sl. No.	Schedule No.	Particulars/Items of work	Nos.	Length (m)	Breadth (m)	Height/Depth (m)	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
		<i>Slab</i>	1	32.461	15.538		504.38			
		Staircase								
		<i>Angle</i>	2	3.048	1.610		9.81			
		<i>Landing</i>	1	1.524	3.650		5.56			
		<i>Deduction</i>	-1	4.572	3.650		-16.69			
							503.07	Sqm	375.00	Rs. 1,88,650.64
7.3	A5.6.1.5	Centering and shuttering including strutting, propping etc. and removal of formwork for : Lintels, beams, plinth beams etc.								
		Plinth beams								
		PBG1								
		Item measurement as per 6.1	1	268.216	1.150		308.45			
		Total Shuttering for Plinth beams					308.45	Sqm	301.77	Rs. 93,080.47
		Roof beams								
		BG1								
		Item measurement as per 6.3	1	302.656	1.150		348.05			
		Total Shuttering for Roof Beams					348.05	Sqm	301.77	Rs. 1,05,032.38
7.4	A5.6.1.6	Centering and shuttering including strutting, propping etc. and removal of formwork for : Columns, Post and Struts etc.								
		Columns								
		CG1	35	1.500		2.900	152.25			
		CG2	2	1.884		5.025	18.93			
		Total Shuttering for Columns					171.18	Sqm	439.50	Rs. 75,235.46
<b>STEEL REINFORCEMENT</b>										
8.1	A5.18.4	Reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete. Hot rolled deformed bars (Tor).								
			<i>Nos</i>	<i>Length</i>	<i>Bar Nos</i>	<i>Kg/m</i>	<i>Kg</i>			
		Footings								
		FG1								
		<i>main (12mm dia)</i>	35	2.000	14	0.888	870.24			
		<i>Distribution (12mm dia)</i>	35	2.100	13	0.888	870.24			
		FG2								
		<i>main (12mm dia)</i>	3	4.000	13	0.888	142.08			
		<i>Distribution (12mm dia)</i>	12	2.000	27	0.888	568.32			
		Base of Columns								
		CG1								
		<i>Vertical Main bars (20mm dia)</i>	35	1.300	4	2.467	448.99			
		<i>Vertical Main bars (16mm dia)</i>	35	1.300	4	1.579	287.38			
		<i>development length (20mm dia)</i>	35	1.000	4	2.467	345.38			
		<i>development length (16mm dia)</i>	35	0.800	4	1.579	176.85			
		<i>Lateral Ties / Stirrups</i>	35	1.450	6	0.395	110.92			
		<i>(8mm dia @ 150c/c for 830 mm)</i>	35	1.095	6	0.395	83.77			
			35	0.000	0	0.395	0.00			
		<i>Confinement reinforcement</i>	35	1.450	9	0.395	179.08			
		<i>(8mm dia @ 75c/c for 670 mm from top edge)</i>	35	1.095	9	0.395	135.24			
			35	0.000	0	0.395	0.00			
		CG2								
		<i>Vertical Main bars (16mm dia)</i>	2	1.300	8	1.579	32.84			
		<i>development length (16mm dia)</i>	2	0.800	8	1.579	20.21			
		<i>Lateral Ties / Stirrups</i>	2	1.877	6	0.395	8.20			
		<i>(8mm dia @ 150c/c for 830mm)</i>	2	0.000	10	0.395	0.00			
			2	0.000	10	0.395	0.00			
		<i>Confinement reinforcement</i>	2	1.877	9	0.395	13.25			
		<i>(8mm dia @ 75c/c for 670 mm from top edge)</i>	2	0.000	0	0.395	0.00			
			2	0.000	0	0.395	0.00			
		Columns								
		CG1								
		<i>Vertical Main bars (20mm dia)</i>	35	2.900	4	2.467	1001.60			
		<i>Vertical Main bars (16mm dia)</i>	35	2.900	4	1.579	641.07			
		<i>Lap length (20mm dia)</i>	35	1.000	4	2.467	345.38			
		<i>Lap length (16mm dia)</i>	35	0.800	4	1.579	176.85			
		<i>Lateral Ties / Stirrups</i>	35	1.450	13	0.395	268.62			
		<i>(8mm dia @ 150c/c for 2010 mm)</i>	35	1.095	13	0.395	202.85			
			35	0.000	0	0.395	0.00			
		<i>Confinement reinforcement</i>	35	1.450	18	0.395	358.16			
		<i>(8mm dia @ 75c/c for 670 mm from both edges)</i>	35	1.095	18	0.395	270.47			
			35	0.000	0	0.395	0.00			
		CG2								
		<i>Vertical Main bars (16mm dia)</i>	2	4.575	8	1.579	115.58			
		<i>Lap length (16mm dia)</i>	2	0.800	8	1.579	20.21			
		<i>Lateral Ties / Stirrups</i>	2	1.877	24	0.395	35.77			
		<i>(8mm dia @ 125c/c for 3015 mm)</i>	2	0.000	0	0.395	0.00			
			2	0.000	0	0.395	0.00			
		<i>Confinement reinforcement</i>	2	1.877	27	0.395	39.74			
		<i>(8mm dia @ 75c/c for 1005 mm from both edges)</i>	2	0.000	0	0.395	0.00			
			2	0.000	0	0.395	0.00			
		Plinth beams								
		PBG1								
		(total length)		268.216						
		<i>Horizontal Top bars (16mm dia)</i>	1	268.216	3	1.579	1270.54			
		<i>Horizontal Bottom bars (16mm dia)</i>	1	268.216	3	1.579	1270.54			
		<i>Horizontal Extra bars at Support (16mm dia)</i>	1	134.108	0	1.579	0.00			
		<i>Lateral Ties / Stirrups (8mm dia)</i>	1	1.450	3099	0.395	1775.17			
		Roof beams								
		BG1								

Sl. No.	Schedule No.	Particulars/Items of work	Nos.	Length (m)	Breadth (m)	Height/ Depth (m)	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
		(total length)		302.656						
		Horizontal Top bars (16mm dia)	1	302.656	3	1.579	1433.68			
		Horizontal Bottom bars (16mm dia)	1	302.656	3	1.579	1433.68			
		Horizontal Extra bars at Support (16mm dia)	1	151.328	2	1.579	477.89			
		Lateral Ties / Stirrups (8mm dia)	1	1.068	3099	0.395	1307.51			
		Slabs								
		Along x-axis		32.461						
		Bottom bars (10mm dia @ 150mm c/c)	1	32.461	216	0.620	4355.36			
		Lapping (10mm dia)	1	1.353	216	0.620	181.47			
		top bars (10mm dia @ 150mm c/c)	1	10.820	72	0.620	483.93			
		Lapping (10mm dia)	1	0.451	72	0.620	20.16			
		Along y-axis		15.545						
		Bottom bars (10mm dia @ 150mm c/c)	1	15.545	104	0.620	998.81			
		Lapping (10mm dia)	1	0.648	104	0.620	41.62			
		top bars (10mm dia @ 150mm c/c)	1	5.182	35	0.620	110.98			
		Lapping (10mm dia)	1	0.216	35	0.620	4.62			
		Staircase								
		Angle								
		Along x-axis		3.048						
		Bottom bars (10mm dia @ 150mm c/c)	2	3.048	20	0.620	76.80			
		top bars (10mm dia @ 150mm c/c)	4	1.016	7	0.620	17.07			
		Along y-axis		1.610						
		Bottom bars (10mm dia @ 150mm c/c)	2	1.610	11	0.620	21.43			
		top bars (10mm dia @ 150mm c/c)	4	0.537	4	0.620	4.76			
		Landing								
		Along x-axis		1.524						
		Bottom bars (10mm dia @ 150mm c/c)	1	1.524	10	0.620	9.60			
		top bars (10mm dia @ 150mm c/c)	2	0.508	3	0.620	2.13			
		Along y-axis		3.650						
		Bottom bars (10mm dia @ 150mm c/c)	1	3.650	24	0.620	55.07			
		top bars (10mm dia @ 150mm c/c)	2	1.217	8	0.620	12.24			
							23134.36	Kg	92.91	Rs. 21,49,413.61
BRICKWORK										
9.1	A6.1.4	Brick works with FPS bricks of class designation 75 in foundation and plinth in cement mortar 1:4 (1cem : 4coarse sand)								
		Below Plinth	1	268.216	0.250	0.800	53.64			
		Total Brickwork below Plinth					53.64	Cum	8356.79	Rs. 4,48,284.96
9.2	A6.1.4 + A6.2	Extra for brick work in superstructure above plinth level up to floor fifth level in prop 1:4 (1cem : 4coarse sand)								
		Grid 1-1	1	16.154	0.250	2.900	11.71			
		Grid 2-2	1	3.350	0.250	2.900	2.43			
		Grid 3-3	1	0.000	0.250	2.900	0.00			
		Grid 4-4	1	7.925	0.250	2.900	5.75			
		Grid 5-5	1	0.000	0.250	2.900	0.00			
		Grid 6-6	1	31.089	0.250	2.900	22.54			
		Grid A-A	1	6.858	0.250	2.900	4.97			
		Grid B-B	1	0.000	0.250	2.900	0.00			
		Grid C-C	1	7.163	0.250	2.900	5.19			
		Grid D-D	1	0.000	0.250	2.900	0.00			
		Grid E-E	1	9.450	0.250	2.900	6.85			
		Grid F-F	1	7.925	0.250	2.900	5.75			
		Grid G-G	1	9.450	0.250	2.900	6.85			
		Grid H-H	1	0.000	0.250	2.900	0.00			
		Grid I-I	1	14.021	0.250	2.900	10.17			
		Total length of fullbrick walls		113.385	m					
		Deduction								
		D1	-4	0.750	0.250	2.100	-1.58			
		D2	-4	0.900	0.250	2.100	-1.89			
		D3	-6	1.200	0.250	2.100	-3.78			
		D4	-1	2.100	0.250	2.400	-1.26			
		V1	-1	1.200	0.250	0.400	-0.12			
		W2	-2	1.200	0.250	2.134	-1.28			
		W3	-17	1.676	0.250	2.134	-15.20			
		Total Brickwork in Superstructure					57.10	Cum	9455.40	Rs. 5,39,886.73
9.3	A6.14.2+ A6.15	Extra halfbrick work in superstructure above plinth level up to floor five level.in prop 1:4(1cem : 4coarse sand).								
		Grid 1-1	1	4.267		2.900	12.37			
		Grid 2-2	1	0.000		2.900	0.00			
		Grid 3-3	1	16.154		2.900	46.85			
		Grid 4-4	1	6.248		2.900	18.12			
		Grid 5-5	1	23.165		2.900	67.18			
		Grid 6-6	1	0.000		2.900	0.00			
		Grid A-A	1	0.000		2.900	0.00			
		Grid B-B	1	2.011		2.900	5.83			
		Grid C-C	1	4.876		2.900	14.14			
		Grid D-D	1	0.000		2.900	0.00			
		Grid E-E	1	0.000		2.900	0.00			
		Grid F-F	1	0.000		2.900	0.00			
		Grid G-G	1	0.000		2.900	0.00			
		Grid H-H	1	4.572		2.900	13.26			
		Grid I-I	1	0.000		2.900	0.00			
		Non Grid elements	1	18.410		2.900	53.39			
		Total half brickwork		79.703	m		231.14	Sqm	906.63	Rs. 2,09,557.28
WOODWORK										

Sl. No.	Schedule No.	Particulars/Items of work	Nos.	Length (m)	Breadth (m)	Height/ Depth (m)	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
10.1	A8.1.2	Providing woodwork in frames of doors, windows, celestories and other frames and fixed in position with seasoned and chemically treated hollock wood, koroi, titachap, etc.								
		Doors								
		<i>D1</i>	4	0.750	0.130	0.080	0.03			
			8	2.100	0.130	0.080	0.17			
		<i>D2</i>	4	0.900	0.130	0.080	0.04			
			8	2.100	0.130	0.080	0.17			
		<i>D3</i>	6	1.200	0.130	0.080	0.07			
			12	2.100	0.130	0.080	0.26			
		<i>D4</i>	1	2.100	0.130	0.080	0.02			
			2	2.400	0.130	0.080	0.05			
		Total woodwork in Door Frames					0.83	Cum	45201.32	Rs. 37,372.45
10.2	A8.6.2	Providing and fixing panelled or panelled and glazed shutters for doors, windows including ISI marked black enameled M.S. butt hinges with necessary screws excluding panelling which will be paid for separately. 35mm thick with seasoned and chemically treated hollock wood, koroi, Titachap, Bhola								
		Doors								
		<i>D1</i>	4	0.750		2.100	6.30			
		<i>D2</i>	4	0.900		2.100	7.56			
		<i>D3</i>	6	1.200		2.100	15.12			
		<i>D4</i>	1	2.100		2.400	5.04			
		Total woodwork in Door Panels					34.02	Sqm	2977.27	Rs. 1,01,286.73
<b>STEELWORK</b>										
11.1	A9.13.4	Providing and fixing ISI marked steel glazed doors, windows and ventilators of standard rolled steel sections, joints mitred and welded with 15x3mm lugs, 10cm long, embedded in cement concrete blocks 15x10x10cm of 1:3:6 including providing and fixing. Top hung Ventilators								
		<i>V1</i>	1	1.200		0.400	0.48			
							0.48	Sqm	2935.60	Rs. 1,409.09
11.2	A9.13.3	Providing and fixing ISI marked steel glazed doors, windows and ventilators of standard rolled steel sections, joints mitred and welded with 15x3mm lugs, 10cm long, embedded in cement concrete blocks 15x10x10cm of 1:3:6 including providing and fixing. Side Hung Windows								
		<i>W2</i>	2	1.200		2.134	5.12			
		<i>W3</i>	17	1.676		2.134	60.80			
							65.92	Sqm	2283.25	Rs. 1,50,519.90
11.3	A8.39.2	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. all complete. Fixed to openings/wooden frames with rawl plugs screws.								
		<i>W2</i>	2	1.200		2.134	5.12			
		<i>W3</i>	17	1.676		2.134	60.80			
							65.92	sqm		
						Kg @ 4.5kg/m <sup>2</sup>	296.66	Kg/m <sup>2</sup>	112.50	Rs. 33,373.79
11.4	A9.36.1	Providing and fixing hand rails by welding etc. to steel ladder railing, balcony railing & staircase railing including applying a priming coat of approved steel primer with M.S. tube (medium) 40mm nominal dia								
		Horizontals	2	3.048			6.10			
		Verticals	21	0.900			18.90			
							18.90	m		
						Kg @ 2.5kg/m	47.25	Kg	183.62	Rs. 8,676.05
<b>FLOORING</b>										
12.1	A2.27	Supplying and filling in plinth with 100mm thick fine sand or stone dust under the floors including watering, raming, consolidating and dressing complete								
		Ground Floor	1	31.089	14.021		435.90			
		Deduction	-1	7.163	7.925		-56.77			
							379.13	sqm	314.74	Rs. 1,19,328.04
12.2	A4.1.5	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering 1:3:6 (1cement: 3coarse sand: 6graded stone aggregate)								
		Ground Floor	1	31.089	14.021	0.150	65.38			
		Deduction	-1	7.163	7.925	0.150	-8.52			
							56.87	Cum	7841.60	Rs. 4,45,950.33
12.3	A 10.39	Kota stone slabs 25 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 and jointed with grey cement slurry mixed with pigment to match the shade of the slabs. including rubbing and polishing complete.								
		Fullbrick Walls (as per item 9.2)	1	113.385		0.150	17.01			
		Halfbrick Walls (as per item 9.3)	2	79.703		0.150	23.91			
		Staircase								
		<i>Angle</i>	2	3.048		0.150	0.91			
		<i>Landing</i>	1	1.524		0.150	0.23			
		Total Skirting Work					42.06	Sqm	1911.67	Rs. 80,407.99
12.5	A 10.38.1	Kota stone slab flooring over 20mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete with base of 1 : 4 ( 1 cement : 4 coarse sand): 25 mm thick								
		Floor area (as per item 12.2)	1	379.132			379.13			
		Staircase								
		<i>Thread</i>	19	1.610	0.300		9.18			
		<i>Landing</i>	1	1.524	3.650		5.56			
		<i>Riser</i>	20	3.650		0.152	11.10			
		<i>deduct toilet</i>	-1	7.010	4.877		-34.19			
							370.78	Sqm	1724.44	Rs. 6,39,387.73
<b>FINISHING</b>										
13.1	A13.10	Providing 12mm thick cement plaster of mix 1:3 (1cement :3coarse sand) finished with a floating coat of neat cement)								
		walls (qty as per item 9.2+9.3)	2	193.088		2.748	1061.21			
		<i>Deduction</i>			nos					
		<i>D1</i>	-4	0.750	2.000	2.100	-12.60			
		<i>D2</i>	-4	0.900	2.000	2.100	-15.12			

Sl. No.	Schedule No.	Particulars/Items of work	Nos.	Length (m)	Breadth (m)	Height/ Depth (m)	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
		<i>D3</i>	-6	1.200	2.000	2.100	-30.24			
		<i>D4</i>	-1	2.100	2.000	2.400	-10.08			
		<i>V1</i>	-1	1.200	2.000	0.400	-0.96			
		<i>W2</i>	-2	1.200	2.000	2.134	-10.24			
		<i>W3</i>	-17	1.676	2.000	2.134	-121.60			
							860.36	Sqm	247.19	Rs. 2,12,673.52
13.2	A13.27	Providing and applying plaster of paris putty of 2mm thickness over plastered surface to prepare the surface even and smooth completes:								
		Total Primer work					860.36	Sqm	619.36	Rs. 5,32,875.41
13.3	A13.47.1	Finishing walls with textured exterior paint "Sandtex Matt" of M/s Snowcem India Ltd., or equivalent of required shade New work (Two or more coats applied @ 3.28 ltr/10 Sqm) over and including base coat of water proofing cement paint "Snowcem Plus" or equivalent applied @ 220kg/10 sq								
		External wall painting	1	99.600		2.748	273.70			
		External wall painting					273.70	Sqm	257.31	Rs. 70,425.95
13.4	A13.50.1	Finishing walls with delux multi- surface paint system "Uni-gloss of M/s Snowcem India ltd. or equivalent for interiors using priming as per manufacturers specifications. Two or more coats applied @ 1.25ltr/10sqm over and including one coat of special primer applied @0.75 ltr/10sqm.								
		Internal wall painting	2	93.488		2.900	542.23			
		Ceiling (as per item 12.1)	1	379.132			379.13			
		Internal wall painting					921.36	Sqm	171.86	Rs. 1,58,345.36
13.5	A13.50.3	Painting steelworks with delux multi-surface paint "Uni-gloss" of M/s Snowcem India Ltd. Or equivalent to give an even shade. Two or more coat applied @ 0.90Ltr/10 sqm over an undercoat of primer UG or equivalent, applied @ 0.80ltr./10 sqm of approved brand.								
		Windows & Ventilators painting	1				264.65	Sqm	144.65	Rs. 38,282.22
13.6	A13.52.1	Applying priming coat with ready mixed pink or grey primer of approved brand and manufacture on woodworks (hard and soft wood).								
		Door Priming	1				68.04	Sqm	43.26	Rs. 2,943.41
13.7	A13.50.2	Painting wood works with delux multi-surface paint "Uni-gloss" of M/s Snow cem India Ltd. Or equi valent to give an even shade. Two or more coats applied @ 0.90Ltr/10 sqm over an undercoat of primer C-W or equi valent, applied @ 0.75ltr./10 sqm.								
		Door Painting	1				68.04	Sqm	145.04	Rs. 9,868.52
<b>FITTINGS</b>										
14.1	A8.44	Providing 40x5 mm flat iron hold fasts 40cm long including fixing to frame with 10mm diameter bolts, nuts and wooden plugs and embeddings in cement concrete block 30x10x15 cm 1:3:6 mix (1cem :3coarse sand :6graded stone aggregate 20mm nom size).								
		D1	16				16.00			
		D2	16				16.00			
		D3	24				24.00			
		D4	4				4.00			
		Total Door Holdfasts					60.00	Each	133.17	Rs. 7,990.20
14.2	A8.90.1	Providing and fixing aluminium sliding door bolts ISI marked anodised transparent or dyed to required color or shade with nuts and screws etc. complete of 300mmx16mm size.								
		D1	8				8.00			
		D2	8				8.00			
		D3	12				12.00			
		D4	2				2.00			
		Total Door Sliding Bolts					30.00	Each	282.50	Rs. 8,475.00
14.3	A8.91.1	Providing and fixing aluminium tower bolts ISI marked anodised transparent or dyed to required color or shade with nuts and screws etc. complete of 300mmx10mm size.								
		D1	4				4.00			
		D2	4				4.00			
		D3	6				6.00			
		D4	1				1.00			
		Total Door Tower Bolts					15.00	Each	133.74	Rs. 2,006.10
14.4	A8.94.1	Providing and fixing aluminium handles ISI marked anodised transparent or dyed to required color or shade with nuts and screws etc. complete of 125mm size.								
		D1	8				8.00			
		D2	8				8.00			
		D3	12				12.00			
		D4	2				2.00			
		Total Door Handles					30.00	Each	105.00	Rs. 3,150.00
14.5	A8.46.3	Providing and fixing ISI marked M.S. pressed butt hinges bright finished with necessary screws etc. complete 75x47x1.70 mm								
		D1	12				12.00			
		D2	12				12.00			
		D3	18				18.00			
		D4	6				6.00			
		Total Door Hinges					48.00	Each	33.66	Rs. 1,615.68
<b>TOTAL COST</b>										<b>Rs. 93,83,710.86</b>

Sl. No.	Schedule No.	Particulars/Items of work	Nos.	Length (m)	Breadth (m)	Height/ Depth (m)	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
<b>FIRST FLOOR</b>										
<u><b>REINFORCED CEMENT CONCRETE</b></u>										
6.2	A5.2.3	R.C.C work in walls (any thickness) including attached pilasters, columns, pillars, abutments etc. up to floor five level excluding cost of centering, shuttering, finishing and reinforcement in prop 1:2:4 (1 cem: 2coarse sand: 4graded stone aggregate of 20mm)								
		CG1	39	0.300	0.450	2.900	15.27			
		CG2	0	0.283		5.025	0.00			
							15.27	Cum	9076.85	Rs. 1,38,589.88
6.3	A5.3	R.C.C. works in beams, suspended floors, roofs having slope up to 15°,landings, chajjas, lintels, staircases etc. up to floor five level excluding the cost of centering, shuttering, finishing and reinforcement etc. in prop 1:2:4 (1cem :2Coarse sand :4Graded stone aggregate 20 mm)								
		Roof beams								
		BG1								
		Grid 6-6	1	31.089	0.250	0.450	3.50			
		Grid 5-5	1	31.089	0.250	0.450	3.50			
		Grid 4-4	1	7.925	0.250	0.450	0.89			
		Grid 3-3	1	31.089	0.250	0.450	3.50			
		Grid 2-2	1	7.010	0.250	0.450	0.79			
		Grid 1-1	1	31.089	0.250	0.450	3.50			
		Grid A-A	1	14.021	0.250	0.450	1.58			
		Grid B-B	1	14.021	0.250	0.450	1.58			
		Grid C-C	1	14.021	0.250	0.450	1.58			
		Grid D-D	1	14.021	0.250	0.450	1.58			
		Grid E-E	1	14.021	0.250	0.450	1.58			
		Grid F-F	1	12.497	0.250	0.450	1.41			
		Grid G-G	1	14.021	0.250	0.450	1.58			
		Grid H-H	1	14.021	0.250	0.450	1.58			
		Grid I-I	1	14.021	0.250	0.450	1.58			
		Extension/Chajja portions	1	22.250	0.250	0.450	2.50			
		Total length of BG1		286.206	m					
		Total for RCC Beams					32.20	Cum	9087.07	Rs. 2,92,587.07
		Slabs								
		Slab incl. chajjas & corridors	1	32.613	15.545	0.125	63.37			
		Porch Slab	0	24.580		0.125	0.00			
		Deduction	-1	7.163	7.925	0.125	-7.10			
		Staircase								
		Angle	2	3.048	1.610	0.125	1.23			
		Landing	1	1.524	3.650	0.125	0.70			
		Deduction for slab in staircase block	-1	4.572	3.650	0.125	-2.09			
		Total for RCC Slabs					56.11	Cum	9087.07	Rs. 5,09,888.75
<u><b>FORMWORK</b></u>										
7.2	A5.6.1.3	Centering and shuttering including strutting, propping etc. and removal of formwork for : Suspended floors,roofs, landings, balconies, etc.								
		Slabs								
		Slab	1	32.613	15.545		506.97			
		Staircase								
		Angle	2	3.048	1.610		9.81			
		Landing	1	1.524	3.650		5.56			
		Deduction	-1	4.572	3.650		-16.69			
							505.66	Sqm	375.00	Rs. 1,89,621.92
7.3	A5.6.1.5	Centering and shuttering including strutting, propping etc. and removal of formwork for : Lintels, beams, plinth beams etc.								
		Roof beams								
		BG1								
		Item measurement as per 6.3	1	286.206	1.150		329.14			
		Total Shuttering for Roof Beams					329.14	Sqm	301.77	Rs. 99,323.64
7.4	A5.6.1.6	Centering and shuttering including strutting, propping etc. and removal of formwork for : Columns, Post and Struts etc.								
		Columns								
		CG1	39	1.500		2.900	169.65			
		CG2	0	1.884		5.025	0.00			
		Total Shuttering for Columns					169.65	Sqm	439.50	Rs. 74,561.18
<u><b>STEEL REINFORCEMENT</b></u>										
8.1	A5.18.4	Reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete. Hot rolled deformed bars (Tor).								
			Nos	Length	Bar Nos	Kg/m	Kg			
		Columns								
		CG1								
		Vertical Main bars (20mm dia)	39	2.900	4	2.467	1116.07			
		Vertical Main bars (16mm dia)	39	2.900	4	1.579	714.34			
		Lap length (20mm dia)	39	1.000	4	2.467	384.85			
		Lap length (16mm dia)	39	0.800	4	1.579	197.06			
		Lateral Ties / Stirrups	39	1.450	13	0.395	299.32			
		(8mm dia @ 150c/c for 2010 mm)	39	1.095	13	0.395	226.04			
		Confinement reinforcement	39	1.450	18	0.395	399.09			
		(8mm dia @ 75c/c for 670 mm from both edges)	39	1.095	18	0.395	301.38			
		Roof beams								
		BG1								
		(total length)		286.206						
		Horizontal Top bars (16mm dia)	1	286.206	3	1.579	1355.76			
		Horizontal Bottom bars (16mm dia)	1	286.206	3	1.579	1355.76			
		Horizontal Extra bars at Support (16mm dia)	1	143.103	2	1.579	451.92			
		Lateral Ties / Stirrups (8mm dia)	1	1.068	2670	0.395	1126.24			
		Slabs								
		Along x-axis		32.613						
		Bottom bars (10mm dia @ 150mm c/c)	1	32.613	217	0.620	4396.25			
		Lapping (10mm dia)	1	1.359	217	0.620	183.18			
		top bars (10mm dia @ 150mm c/c)	1	10.871	72	0.620	488.47			
		Lapping (10mm dia)	1	0.453	72	0.620	20.35			
		Along y-axis		15.545						



Sl. No.	Schedule No.	Particulars/Items of work	Nos.	Length (m)	Breadth (m)	Height/ Depth (m)	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
		Bottom bars (10mm dia @ 150mm c/c)	1	15.545	104	0.620	998.81			
		Lapping (10mm dia)	1	0.648	104	0.620	41.62			
		top bars (10mm dia @ 150mm c/c)	1	5.182	35	0.620	110.98			
		Lapping (10mm dia)	1	0.216	35	0.620	4.62			
		Staircase								
		Angle								
		Along x-axis		3.048						
		Bottom bars (10mm dia @ 150mm c/c)	2	3.048	20	0.620	76.80			
		top bars (10mm dia @ 150mm c/c)	4	1.016	7	0.620	17.07			
		Along y-axis		1.610						
		Bottom bars (10mm dia @ 150mm c/c)	2	1.610	11	0.620	21.43			
		top bars (10mm dia @ 150mm c/c)	4	0.537	4	0.620	4.76			
		Landing								
		Along x-axis		1.524						
		Bottom bars (10mm dia @ 150mm c/c)	1	1.524	10	0.620	9.60			
		top bars (10mm dia @ 150mm c/c)	2	0.508	3	0.620	2.13			
		Along y-axis		3.650						
		Bottom bars (10mm dia @ 150mm c/c)	1	3.650	24	0.620	55.07			
		top bars (10mm dia @ 150mm c/c)	2	1.217	8	0.620	12.24			
							14371.19	Kg	92.91	Rs. 13,35,227.48
BRICKWORK										
9.2	A6.1.4 + A6.2	Extra for brick work in superstructure above plinth level up to floor fifth level in prop 1:4 (1cem : 4coarse sand)								
		Grid 1-1	1	0.000	0.250	2.900	0.00			
		Grid 2-2	1	0.000	0.250	2.900	0.00			
		Grid 3-3	1	0.000	0.250	2.900	0.00			
		Grid 4-4	1	7.925	0.250	2.900	5.75			
		Grid 5-5	1	0.000	0.250	2.900	0.00			
		Grid 6-6	1	31.089	0.250	2.900	22.54			
		Grid A-A	1	14.021	0.250	2.900	10.17			
		Grid B-B	1	0.000	0.250	2.900	0.00			
		Grid C-C	1	0.000	0.250	2.900	0.00			
		Grid D-D	1	0.000	0.250	2.900	0.00			
		Grid E-E	1	4.572	0.250	2.900	3.31			
		Grid F-F	1	7.925	0.250	2.900	5.75			
		Grid G-G	1	9.144	0.250	2.900	6.63			
		Grid H-H	1	0.000	0.250	2.900	0.00			
		Grid I-I	1	0.000	0.250	2.900	0.00			
		Total length of fullbrick walls		74.676	m					
		Deduction								
		D2	-2	0.900	0.250	2.100	-0.95			
		D3	-3	1.200	0.250	2.100	-1.89			
		W2	-3	1.200	0.250	2.134	-1.92			
		W3	-9	1.676	0.250	2.134	-8.05			
		Total Brickwork in Superstructure					41.34	Cum	9455.40	Rs. 3,90,859.63
9.3	A6.14.2+ A6.15	Extra halfbrick work in superstructure above plinth level up to floor five level.in prop 1:4(1cem : 4coarse sand).								
		Grid 1-1	1	0.000		2.900	0.00			
		Grid 2-2	1	0.000		2.900	0.00			
		Grid 3-3	1	3.657		2.900	10.61			
		Grid 4-4	1	7.620		2.900	22.10			
		Grid 5-5	1	14.630		2.900	42.43			
		Grid 6-6	1	0.000		2.900	0.00			
		Grid A-A	1	0.000		2.900	0.00			
		Grid B-B	1	0.000		2.900	0.00			
		Grid C-C	1	2.012		2.900	5.83			
		Grid D-D	1	7.193		2.900	20.86			
		Grid E-E	1	5.497		2.900	15.94			
		Grid F-F	1	0.000		2.900	0.00			
		Grid G-G	1	0.000		2.900	0.00			
		Grid H-H	1	0.000		2.900	0.00			
		Grid I-I	1	0.000		2.900	0.00			
		Non Grid elements	1	45.410		2.900	131.69			
		Total half brickwork		86.019	m		249.46	Sqm	906.63	Rs. 2,26,163.48
WOODWORK										
10.1	A8.1.2	Providing woodwork in frames of doors, windows, celestories and other frames and fixed in position with seasoned and chemically treated hollock wood, koroi, titachap, etc.								
		Doors								
		D2	2	0.900	0.130	0.080	0.02			
			4	2.100	0.130	0.080	0.09			
		D3	3	1.200	0.130	0.080	0.04			
			6	2.100	0.130	0.080	0.13			
		Total woodwork in Door Frames					0.27	Cum	45201.32	Rs. 12,410.47
10.2	A8.6.2	Providing and fixing panelled or panelled and glazed shutters for doors, windows including ISI marked black enameled M.S. butt hinges with necessary screws excluding panelling which will be paid for separately. 35mm thick with seasoned and chemically treated hollock wood, koroi, Titachap, Bhola								
		Doors								
		D2	2	0.900		2.100	3.78			
		D3	3	1.200		2.100	7.56			
		Total woodwork in Door Panels					11.34	Sqm	2977.27	Rs. 33,762.24
STEELWORK										
11.2	A9.13.3	Providing and fixing ISI marked steel glazed doors, windows and ventilators of standard rolled steel sections, joints mitred and welded with 15x3mm lugs, 10cm long, embedded in cement concrete blocks 15x10x10cm of 1:3:6 including providing and fixing. Side Hung Windows								
		W2	3	1.200		2.134	7.68			
		W3	9	1.676		2.134	32.19			
							39.87	Sqm	2283.25	Rs. 91,036.96

Sl. No.	Schedule No.	Particulars/Items of work	Nos.	Length (m)	Breadth (m)	Height/ Depth (m)	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
11.3	A8.39.2	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. all complete. Fixed to openings/wooden framses with rawl plugs screws.								
		W2	3	1.200		2.134	7.68			
		W3	9	1.676		2.134	32.19			
							39.87	sqm		
					Kg @ 4.5kg/m <sup>2</sup>		179.42	Kg/m <sup>2</sup>	112.50	Rs. 20,185.03
11.4	A9.36.1	Providing and fixing hand rails by welding etc. to steel ladder railing, balcony railing & staircase railing including applying a priming coat of approved steel primer with M.S. tube (medium) 40mm nominal dia								
		Horizontals	2	3.048			6.10			
		Verticals	21	0.900			18.90			
							18.90	m		
					Kg @ 2.5kg/m		47.25	Kg	183.62	Rs. 8,676.05
FLOORING										
12.3	A 10.39	Kota stone slabs 25 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 and jointed with grey cement slurry mixed with pigment to match the shade of the slabs. including rubbing and polishing complete.								
		Fullbrick Walls (as per item 9.2)	1	74.676		0.150	11.20			
		Halfbrick Walls (as per item 9.3)	2	86.019		0.150	25.81			
		Staircase								
		Angle	2	3.048		0.150	0.91			
		Landing	1	1.524		0.150	0.23			
		Total Skirting Work					38.15	Sqm	1911.67	Rs. 72,930.40
12.5	A 10.38.1	Kota stone slab flooring over 20mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete with base of 1 : 4 ( 1 cement : 4 coarse sand): 25 mm thick								
		Floor area (as per item 12.2)	1	379.132			379.13			
		Staircase								
		Thread	19	1.610	0.300		9.18			
		Landing	1	1.524	3.650		5.56			
		Riser	20	3.650		0.152	11.10			
		deduct toilet	-1	5.570	4.877		-27.16			
							404.97	Sqm	1724.44	Rs. 6,98,342.49
FINISHING										
13.1	A13.10	Providing 12mm thick cement plaster of mix 1:3 (1cement :3coarse sand) finished with a floating coat of neat cement)								
		walls (qty as per item 9.2+9.3)	2	160.695		2.748	883.18			
		Deduction			nos					
		D2	-2	0.900	2.000	2.100	-7.56			
		D3	-3	1.200	2.000	2.100	-15.12			
		D4	0	2.100	2.000	2.400	0.00			
		W2	-3	1.200	2.000	2.134	-15.36			
		W3	-9	1.676	2.000	2.134	-64.38			
							780.76	Sqm	247.19	Rs. 1,92,995.18
13.2	A13.27	Providing and applying plaster of paris putty of 2mm thickness over plastered surface to prepare the surface even and smooth completes:								
		Total Primer work					780.76	Sqm	619.36	Rs. 4,83,569.29
13.3	A13.47.1	Finishing walls with textured exterior paint "Sandtex Matt" of M/s Snowcem India Ltd., or equivalent of required shade New work (Two or more coats applied @ 3.28 ltr/10 Sqm) over and including base coat of water proofing cement paint "Snowcem Plus" or equivalent applied @ 220kg/10 sq								
		External wall painting	1	99.600		2.748	273.70			
		External wall painting					273.70	Sqm	257.31	Rs. 70,425.95
13.4	A13.50.1	Finishing walls with delux multi- surface paint system "Uni-gloss of M/s Snowcem India ltd. or equivalent for interiors using priming as per manufacturers specifications. Two or more coats applied @ 1.25ltr/10sqm over and including one coat of special primer applied @0.75 ltr/10sqm.								
		Internal wall painting	2	61.095		2.900	354.35			
		Ceiling (as per item 12.1)	1	379.132			379.13			
		Internal wall painting					733.48	Sqm	171.86	Rs. 1,26,056.40
13.5	A13.50.3	Painting steelworks with delux multi-surface paint "Uni-gloss" of M/s Snowcem India Ltd. Or equivalent to give an even shade. Two or more coat applied @ 0.90Ltr/10 sqm over an undercoat of primer UG or equivalent, applied @ 0.80ltr./10 sqm of approved brand.								
		Windows & Ventilators painting	1				159.49	Sqm	144.65	Rs. 23,069.74
13.6	A13.52.1	Applying priming coat with ready mixed pink or grey primer of approved brand and manufacture on woodworks (hard and soft wood).								
		Door Priming	1				22.68	Sqm	43.26	Rs. 981.14
13.7	A13.50.2	Painting wood works with delux multi-surface paint "Uni-gloss" of M/s Snow cem India Ltd. Or equi valent to give an even shade. Two or more coats applied @ 0.90Ltr/10 sqm over an undercoat of primer C-W or equi valent, applied @ 0.75ltr./10 sqm.								
		Door Painting	1				22.68	Sqm	145.04	Rs. 3,289.51
FITTINGS										
14.1	A8.44	Providing 40x5 mm flat iron hold fasts 40cm long including fixing to frame with 10mm diameter bolts, nuts and wooden plugs and embeddings in cement concrete block 30x10x15 cm 1:3:6 mix (1cem :3coarse sand :6graded stone aggregate 20mm nom size).								
		D2	8				8.00			
		D3	12				12.00			
		Total Door Holdfasts					20.00	Each	133.17	Rs. 2,663.40
14.2	A8.90.1	Providing and fixing aluminium sliding door bolts ISI marked anodised transparent or dyed to required color or shade with nuts and screws etc. complete of 300mmx16mm size.								
		D2	4				4.00			
		D3	6				6.00			
		Total Door Sliding Bolts					10.00	Each	282.50	Rs. 2,825.00
14.3	A8.91.1	Providing and fixing aluminium tower bolts ISI marked anodised transparent or dyed to required color or shade with nuts and screws etc. complete of 300mmx10mm size.								
		D2	2				2.00			
		D3	3				3.00			
		Total Door Tower Bolts					5.00	Each	133.74	Rs. 668.70
14.4	A8.94.1	Providing and fixing aluminium handles ISI marked anodised transparent or dyed to required color or shade with nuts and screws etc. complete of 125mm size.								
		D2	4				4.00			
		D3	6				6.00			
		Total Door Handles					10.00	Each	105.00	Rs. 1,050.00
14.5	A8.46.3	Providing and fixing ISI marked M.S. pressed butt hinges bright finished with necessary screws etc. complete. 75x47x1.70 mm								

Sl. No.	Schedule No.	Particulars/Items of work	Nos.	Length (m)	Breadth (m)	Height/ Depth (m)	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
		D2	6				6.00			
		D3	9				9.00			
		Total Door Hinges					15.00	Each	33.66	Rs. 504.90
15.1	A16.1.2.1	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately) Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)								
			1	15.545		2.900	45.08			
			1	3.353		2.900	9.72			
			1	4.267		2.900	12.37			
			1	8.534		2.900	24.75			
			1	14.021		2.900	40.66			
						total	132.59	sq,		
				Converting to Kg @ 11.48kg/sqm			1522.11	kg	454.25	Rs. 6,91,418.58
TOTAL COST										Rs. 57,93,684.45

Sl. No.	Schedule No.	Particulars/Items of work	Nos.	Length (m)	Breadth (m)	Height/ Depth (m)	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
SECOND FLOOR										
REINFORCED CEMENT CONCRETE										
6.2	A5.2.3	R.C.C work in walls (any thickness) including attached pilasters, columns, pillars, abutments etc. up to floor five level excluding cost of centering, shuttering, finishing and reinforcement in prop 1:2:4 (1 cem: 2coarse sand: 4graded stone aggregate of 20mm)								
		CG1	4	0.300	0.450	2.900	1.57			
		CG1 (Extension)	35	0.300	0.450	1.000	4.73			
							6.29	Cum	9076.85	Rs. 57,102.46
6.3	A5.3	R.C.C. works in beams, suspended floors, roofs having slope up to 15°,landings, chajjas, lintels, staircases etc, up to floor five level excluding the cost of centering, shuttering, finishing and reinforcement etc. in prop 1:2:4 (1cem :2Coarse sand :4Graded stone aggregate 20 mm)								
		Roof beams								
		BG1								
			1	23.469	0.250	0.450	2.64			
		Total length of BG1		23.469	m					
		Total for RCC Beams					2.64	Cum	9087.07	Rs. 23,992.25
		Slabs								
		Slab incl. chajjas & corridors	1	4.520	3.650	0.125	2.06			
		Total for RCC Slabs					2.06	Cum	9087.07	Rs. 18,739.81
FORMWORK										
7.2	A5.6.1.3	Centering and shuttering including strutting, propping etc. and removal of formwork for : Suspended floors,roofs, landings, balconies, etc.								
		Slabs								
		Slab	1	4.520	3.650		16.50			
							16.50	Sqm	375.00	Rs. 6,186.75
7.3	A5.6.1.5	Centering and shuttering including strutting, propping etc. and removal of formwork for : Lintels, beams, plinth beams etc.								
		Roof beams								
		BG1								
		Item measurement as per 6.3	1	23.469	1.150		26.99			
		Total Shuttering for Roof Beams					26.99	Sqm	301.77	Rs. 8,144.58
7.4	A5.6.1.6	Centering and shuttering including strutting, propping etc. and removal of formwork for : Columns, Post and Struts etc.								
		Columns								
		CG1	4	1.500		2.900	17.40			
		CG1 (Extension)	35	1.500		1.000	52.50			
		Total Shuttering for Columns					69.90	Sqm	439.50	Rs. 30,721.05
STEEL REINFORCEMENT										
8.1	A5.18.4	Reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete. Hot rolled deformed bars (Tor).								
			Nos	Length	Bar Nos	Kg/m	Kg			
		Columns								
		CG1								
		Vertical Main bars (20mm dia)	4	2.900	4	2.467	114.47			
		Vertical Main bars (16mm dia)	4	2.900	4	1.579	73.27			
		Lap length (20mm dia)	4	1.000	4	2.467	39.47			
		Lap length (16mm dia)	4	0.800	4	1.579	20.21			
		Lateral Ties / Stirrups	4	1.450	13	0.395	30.70			
		(8mm dia @ 150c/c for 2010 mm)	4	1.095	13	0.395	23.18			
			0	0.000	0	0.395	0.00			
		Confinement reinforcement	4	1.450	18	0.395	40.93			
		(8mm dia @ 75c/c for 670 mm from both edges)	4	1.095	18	0.395	30.91			
			0	0.000	18	0.395	0.00			
		CG1 (Extension)								
		Vertical Main bars (20mm dia)	35	1.000	4	2.467	345.38			
		Vertical Main bars (16mm dia)	35	1.000	4	1.579	221.06			
		Lateral Ties / Stirrups	35	1.450	7	0.395	133.64			
		(8mm dia @ 150c/c for 2010 mm)	35	1.095	7	0.395	100.92			
			0	0.000	0	0.395	0.00			
		Roof beams								
		BG1								
		(total length)		23.469						
		Horizontal Top bars (16mm dia)	1	23.469	3	1.579	111.17			
		Horizontal Bottom bars (16mm dia)	1	23.469	3	1.579	111.17			
		Horizontal Extra bars at Support (16mm dia)	1	11.735	2	1.579	37.06			
		Lateral Ties / Stirrups (8mm dia)	1	1.068	2670	0.395	1126.24			
		Slabs								
		Along x-axis		4.520						
		Bottom bars (10mm dia @ 150mm c/c)	1	4.520	30	0.620	84.45			
		Lapping (10mm dia)	1	0.188	30	0.620	3.52			
		top bars (10mm dia @ 150mm c/c)	1	1.507	10	0.620	9.38			
		Lapping (10mm dia)	1	0.063	10	0.620	0.39			
		Along y-axis		3.650						
		Bottom bars (10mm dia @ 150mm c/c)	1	3.650	24	0.620	55.07			
		Lapping (10mm dia)	1	0.152	24	0.620	2.29			
		top bars (10mm dia @ 150mm c/c)	1	1.217	8	0.620	6.12			
		Lapping (10mm dia)	1	0.051	8	0.620	0.25			
							2721.26	Kg	92.91	Rs. 2,52,832.20
BRICKWORK										
9.2	A6.1.4 + A6.2	Extra for brick work in superstructure above plinth level up to floor fifth level in prop 1:4 (1cem : 4coarse sand)								
		Staircase	1	11.880	0.250	2.900	8.61			
		Parapet	1	91.440	0.125	1.000	11.43			
		area of walls		125.892	sqm					
		Total Brickwork in Superstructure					20.04	Cum	9455.40	Rs. 1,89,514.58

Sl. No.	Schedule No.	Particulars/Items of work	Nos.	Length (m)	Breadth (m)	Height/ Depth (m)	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
FINISHING										
13.1	A13.10	Providing 12mm thick cement plaster of mix 1:3 (1cement :3coarse sand) finished with a floating coat of neat cement)								
		walls (qty as per item 9.2)	2	125.892			251.78			
							251.78	Sqm	247.19	Rs. 62,238.49
13.2	A13.27	Providing and applying plaster of paris putty of 2mm thickness over plastered surface to prepare the surface even and smooth completes:								
		Total Primer work					251.78	Sqm	619.36	Rs. 1,55,944.94
13.3	A13.47.1	Finishing walls with textured exterior paint "Sandtex Matt" of M/s Snowcem India Ltd., or equivalent of required shade New work (Two or more coats applied @ 3.28 ltr/10 Sqm) over and including base coat of water proofing cement paint "Snowcem Plus" or equivalent applied @ 220kg/10 sq								
		External wall painting	1	91.440		2.900	265.18			
		External wall painting					265.18	Sqm	257.31	Rs. 68,232.44
13.4	A13.50.1	Finishing walls with delux multi- surface paint system "Uni-gloss of M/s Snowcem India ltd. or equivalent for interiors using priming as per manufacturers specifications. Two or more coats applied @ 1.25ltr/10sqm over and including one coat of special primer applied @0.75 ltr/10sqm.								
		Internal wall painting	1	11.880		2.900	34.45			
		Ceiling (as per item 12.1)	1	16.498			16.50			
		Internal wall painting					50.95	Sqm	171.86	Rs. 8,756.27
TOTAL COST										Rs. 8,82,405.81

50 BEDDED HOSTEL (including Warden quarters, Kitchen, Dining hall & Recreational facilities)				
DETAILED ESTIMATE				
i) All particulars and percentages are as per applicable Nagaland PWD Schedule of Rates 2013				
ii) All amounts and plinth area rates as per the Nagaland PWD Schedule of Rates for buildings 2013 for Mon District				
Sl. No.		Particulars/Items of work	Amount (in Rupees)	Remarks
A		Cost of Civil Works as per NPWD SOR 2013		
	1	Cost of Ground Floor (334sqm)	Rs. 66,64,036.86	Annexure - CII
		Cost of First Floor (334 sqm)	Rs. 37,34,701.42	Annexure - CIII
		Cost of Second Floor (334 sqm)	Rs. 37,34,701.42	Annexure - CIV
		Cost of Second Floor (30 sqm)	Rs. 5,37,543.52	Annexure - CV
		Total Cost	Rs. 1,46,70,983.22	
B		Cost of Services [% to be applied to the cost of the building Structure (A)]*		
	1	Add 10% for site levelling and approach road	Rs. 6,66,403.69	
	2	Add 12.5% for water supply & sanitary installations	Rs. 18,33,872.90	
	3	Add 12.5% for internal electrification	Rs. 18,33,872.90	
	4	Add 5% of external electrification	Rs. 7,33,549.16	
	5	Add 1% for rain water harvesting	Rs. 1,46,709.83	
	6	Add 30% for Hostel furniture and equipment	Rs. 44,01,294.97	
		Total cost of Services	Rs. 96,15,703.45	
C		Total cost of structure and services		
	1	add A+B	Rs. 2,42,86,686.68	
D		Agency Charges and Contingencies [%to be applied to the total cost of structure and services (C)]		
	1	add 4% for Consultancy charges	Rs. 9,71,467.47	
	2	add 3% for Contingencies	Rs. 7,28,600.60	
	3	add 2% for WorkCharged Establishment	Rs. 4,85,733.73	
		Total cost of Agency charges and Contingencies	Rs. 21,85,801.80	
E		Total Cost of structure, agency and services		
	1	add C+D	Rs. 2,64,72,488.48	
		Say	Rs. 2,64,73,000.00	

50 BEDDED HOSTEL										
MEASUREMENT SHEET										
i) The estimate is prepared basing on Nagaland PWD Schedule of Rates for Buildings 2013										
ii) Schedule. No. refers to code no. of the item in Nagaland PWD Schedule of Rates for buildings 2013										
Sl. No.	Schedule No.	Particulars/Items of work	Nos.	Length (m)	Breadth (m)	Height/Depth (m)	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
<b>GROUND FLOOR</b>										
<b><u>EARTHWORK</u></b>										
1.1	A2.8.1	Earth work in excavation in foundation trenches or drains including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of soil.								
		Footings								
		FG1	8	4.400	2.400	2.000	168.96			
		FG2	16	2.200	2.200	2.000	154.88			
		Plinth								
		PBG1 (length after deduction-fdn E/work)								
		Grid 1-1	1	1.600	0.250	0.400	0.16			
		Grid 2-2	1	4.800	0.250	0.400	0.48			
		Grid 3-3	1	4.800	0.250	0.400	0.48			
		Grid 4-4	1	4.800	0.250	0.400	0.48			
		Grid 5-5	1	4.800	0.250	0.400	0.48			
		Grid 6-6	1	4.800	0.000	0.400	0.00			
		Grid 7-7	1	4.800	0.250	0.400	0.48			
		Grid 8-8	1	4.800	0.250	0.400	0.48			
		Grid A-A	1	8.700	0.250	0.400	0.87			
		Grid B-B	1	2.550	0.250	0.400	0.26			
		Grid C-C	1	8.750	0.250	0.400	0.88			
		Grid D-D	1	8.750	0.250	0.400	0.88			
		Grid E-E	1	2.550	0.250	0.400	0.26			
		Grid F-F	1	8.700	0.000	0.400	0.00			
				75.200			326.88	Cum	311.38	Rs. 1,01,783.89
2.1	A2.25	Filling available of excavated earth (excluding rock) in trenches,plinths, sides of fdns in layers not exceeding 20cm in depth consolidating each layer by ramming and watering, lead up to 50m and lift 1.5m.								
		Footings								
		FG1	8	4.400	2.400	2.000	168.96			
		FG2	16	2.200	2.400	2.000	168.96			
		deduction for RCC in FG1	-1	57.560			-57.56			
		deduction for RCC in FG2	-1	48.175			-48.17			
			1	21.900	11.200	0.200	49.06			
			1	3.650	8.000	0.200	5.84			
		Deduction	-1	170.350	0.125	0.200	-4.26			
							282.82	Cum	110.14	Rs. 31,150.07
<b><u>STONE SOILING</u></b>										
3.1	A10.1	Providing 100mm thick soling with approved quality of stone including carriage,watering, ramming consolidation etc. 1:6 (1 cement : 6 Coarse Sand)								
		Footings								
		FG1	8	4.400	2.400		84.48			
		FG2	16	2.200	2.200		77.44			
		Floor	1	26.750	12.400		331.70			
		Plinth Beams								
		PBG1 (length after deducting columns)								
		Grid 1-1	1	6.950	0.250		1.74			
		Grid 2-2	1	10.075	0.250		2.52			
		Grid 3-3	1	10.075	0.250		2.52			
		Grid 4-4	1	10.075	0.250		2.52			
		Grid 5-5	1	10.075	0.250		2.52			
		Grid 6-6	1	10.075	0.000		0.00			
		Grid 7-7	1	10.075	0.250		2.52			
		Grid 8-8	1	10.075	0.250		2.52			
		Grid A-A	1	19.650	0.250		4.91			
		Grid B-B	1	3.475	0.250		0.87			
		Grid C-C	1	23.313	0.250		5.83			
		Grid D-D	1	23.313	0.250		5.83			
		Grid E-E	1	3.475	0.250		0.87			
		Grid F-F	1	19.650	0.250		4.91			
				170.350			533.69	Sqm	339.77	Rs. 1,81,331.43
<b><u>DAMP PROOF COURSE</u></b>										
4.1	A4.9	Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 cement:2 coarse: 4 graded stone aggregate 12.5 mm nominal size)								
		Under Walls								
		all walls	1	170.350	0.250		42.59			
		deduction								
		D2	-6	0.900	0.250		-1.35			
		D3	-3	1.200	0.250		-0.90			
		D4	-1	2.100	0.250		-0.53			
		Total DPC work					39.81	Sqm	291.36	Rs. 11,599.77
<b><u>PLAIN CEMENT CONCRETE</u></b>										
5.1	A4.1.5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering in prop 1:3:6 (1cem :3coarse sand :6 graded stone aggregate).								
		Footings								
		FG1	8	4.400	2.400	0.150	12.67			
		FG2	16	2.200	2.200	0.150	11.62			
		Plinth Beams								
		all plinth beams	1	170.350	0.250	0.100	4.26			
							28.55	Cum	7841.60	Rs. 2,23,852.19
<b><u>REINFORCED CEMENT CONCRETE</u></b>										
6.1	A5.1.2	Providing and laying in position specified grade of R.C.C excluding the cost of centering, shuttering finishing and reinforcement all works up to plinth level.in prop 1:1.5:3								

Sl. No.	Schedule No.	Particulars/Items of work	Nos.	Length (m)	Breadth (m)	Height/ Depth (m)	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
		Footings								
		FG1	8	4.400	2.400	0.200	16.90			
		Trapezoidal	8	6.161		0.825	40.66			
		FG2	16	2.200	2.200	0.200	15.49			
		Trapezoidal	16	2.476		0.825	32.69			
		Plinth beams								
		PBG1 (length after deducting columns)								
		Grid 1-1	1	6.950	0.250	0.400	0.70			
		Grid 2-2	1	10.075	0.250	0.400	1.01			
		Grid 3-3	1	10.075	0.250	0.400	1.01			
		Grid 4-4	1	10.075	0.250	0.400	1.01			
		Grid 5-5	1	10.075	0.250	0.400	1.01			
		Grid 6-6	1	10.075	0.000	0.400	0.00			
		Grid 7-7	1	10.075	0.250	0.400	1.01			
		Grid 8-8	1	10.075	0.250	0.400	1.01			
		Grid A-A	1	19.650	0.250	0.400	1.97			
		Grid B-B	1	3.475	0.250	0.400	0.35			
		Grid C-C	1	23.313	0.250	0.400	2.33			
		Grid D-D	1	23.313	0.250	0.400	2.33			
		Grid E-E	1	3.475	0.250	0.400	0.35			
		Grid F-F	1	19.650	0.250	0.400	1.97			
		Total length of PBG1&PBG2		170.350	m					
		base of columns								
		CG1	28	0.375	0.375	1.525	6.00			
		CG2	4	0.350	0.350	1.525	0.75			
							128.51	Cum	9568.30	Rs. 12,29,662.30
6.2	A5.2.2	R.C.C work in walls (any thickness) including attached pilasters, columns, pillars, abutments etc. up to floor five level excluding cost of centering, shuttering, finishing and reinforcement in prop 1:1.5:3 (1 cem: 1.5coarse sand: 3graded stone aggregate of 20mm)								
		CG1	28	0.375	0.375	3.300	12.99			
		CG2	4	0.350	0.350	3.300	1.62			
							14.61	Cum	9810.21	Rs. 1,43,334.53
6.3	A5.3	R.C.C. works in beams, suspended floors, roofs having slope up to 15°,landings, chajjas, lintels, staircases etc, up to floor five level excluding the cost of centering, shuttering, finishing and reinforcement etc. in prop 1:2:4 (1cem :2Coarse sand :4Graded stone aggregate 20 mm)								
		Roof beams								
		BG1								
		Grid 1-1	1	8.150	0.250	0.450	0.92			
		Grid 2-2	1	11.275	0.250	0.450	1.27			
		Grid 3-3	1	11.275	0.250	0.450	1.27			
		Grid 4-4	1	11.275	0.250	0.450	1.27			
		Grid 5-5	1	11.275	0.250	0.450	1.27			
		Grid 6-6	1	11.275	0.000	0.450	0.00			
		Grid 7-7	1	11.275	0.250	0.450	1.27			
		Grid 8-8	1	11.275	0.250	0.450	1.27			
		Grid A-A	1	20.250	0.250	0.450	2.28			
		Grid B-B	1	4.075	0.250	0.450	0.46			
		Grid C-C	1	23.913	0.250	0.450	2.69			
		Grid D-D	1	23.913	0.250	0.450	2.69			
		Grid E-E	1	4.075	0.250	0.450	0.46			
		Grid F-F	1	20.250	0.250	0.450	2.28			
		Total length of BG1		183.550	m					
		Total for RCC Beams			m		19.38	Cum	9087.07	Rs. 1,76,115.94
		Slabs								
		Slab 125 mm thick	1	26.750	12.400	0.125	41.46			
		Deduction	-2	3.650	1.600	0.125	-1.46			
		Staircase								
		Angle	2	3.610	1.825	0.125	1.65			
		Landing	1	3.650	1.600	0.125	0.73			
		Deduction	-1	3.650	4.600	0.125	-2.10			
		Total for RCC Slabs					40.28	Cum	9087.07	Rs. 3,66,034.56
FORMWORK										
7.1	A5.6.1.1	Centering and shuttering including strutting, propping etc. and removal of formwork for : Foundations, bases of columns, etc								
		Footings								
		FG1	8	13.600		0.300	32.64			
		FG2	16	8.800		0.300	42.24			
		Base of Columns								
		CG1	28	1.500		1.525	64.05			
		CG2	4	1.400		1.525	8.54			
							147.47	Sqm	265.00	Rs. 39,079.55
7.2	A5.6.1.3	Centering and shuttering including strutting, propping etc. and removal of formwork for : Suspended floors,roofs, landings, balconies, etc.								
		Slabs								
		Slab	1	26.750	12.400		331.70			
		Deduction	-2	3.650	1.600		-11.68			
			-1	3.650	4.600		-16.79			
		Staircase								
		Angle	2	3.610	1.825		13.18			
		Landing	1	3.650	1.600		5.84			
							322.25	Sqm	375.00	Rs. 1,20,842.44
7.3	A5.6.1.5	Centering and shuttering including strutting, propping etc. and removal of formwork for : Lintels, beams, plinth beams etc.								
		Plinth beams								
		PBG1 (length after deducting columns)								
		Grid 1-1	1	6.950	1.050		7.30			
		Grid 2-2	1	10.075	1.050		10.58			
		Grid 3-3	1	10.075	1.050		10.58			
		Grid 4-4	1	10.075	1.050		10.58			
		Grid 5-5	1	10.075	1.050		10.58			



Sl. No.	Schedule No.	Particulars/Items of work	Nos.	Length (m)	Breadth (m)	Height/ Depth (m)	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
		Grid 6-6	1	10.075	0.800		8.06			
		Grid 7-7	1	10.075	1.050		10.58			
		Grid 8-8	1	10.075	1.050		10.58			
		Grid A-A	1	19.650	1.050		20.63			
		Grid B-B	1	3.475	1.050		3.65			
		Grid C-C	1	23.313	1.050		24.48			
		Grid D-D	1	23.313	1.050		24.48			
		Grid E-E	1	3.475	1.050		3.65			
		Grid F-F	1	19.650	1.050		20.63			
		Total Shuttering for Plinth beams					176.35	Sqm	301.77	Rs. 53,216.76
		Roof beams								
		BG1								
		Grid 1-1	1	8.150	1.150		9.37			
		Grid 2-2	1	11.275	1.150		12.97			
		Grid 3-3	1	11.275	1.150		12.97			
		Grid 4-4	1	11.275	1.150		12.97			
		Grid 5-5	1	11.275	1.150		12.97			
		Grid 6-6	1	11.275	0.900		10.15			
		Grid 7-7	1	11.275	1.150		12.97			
		Grid 8-8	1	11.275	1.150		12.97			
		Grid A-A	1	20.250	1.150		23.29			
		Grid B-B	1	4.075	1.150		4.69			
		Grid C-C	1	23.913	1.150		27.50			
		Grid D-D	1	23.913	1.150		27.50			
		Grid E-E	1	4.075	1.150		4.69			
		Grid F-F	1	20.250	1.150		23.29			
		Total Shuttering for Roof Beams					208.26	Sqm	301.77	Rs. 62,847.75
7.4	A5.6.1.6	Centering and shuttering including strutting, propping etc. and removal of formwork for : Columns, Post and Struts etc.								
		Columns								
		CG1	28	1.500		3.300	138.60			
		CG2	4	1.400		3.300	18.48			
		Total Shuttering for Columns					157.08	Sqm	439.50	Rs. 69,036.66
STEEL REINFORCEMENT										
8.1	A5.18.4	Reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete. Hot rolled deformed bars (Tor).								
			Nos	Length	Bar Nos	Kg/m	Kg			
		Footings								
		FG1								
		main (10mm dia)	8	4.400	43	0.616	932.38			
		Distribution (10mm dia)	8	2.400	23	0.616	272.03			
		FG2								
		main (10mm dia)	16	2.200	21	0.616	455.35			
		Distribution (10mm dia)	16	2.200	21	0.616	455.35			
		Base of Columns								
		CG1								
		Vertical Main bars (20mm dia)	28	1.525	4	2.467	421.36			
		Vertical Main bars (16mm dia)	28	1.525	4	1.579	269.69			
		development length (20mm dia)	28	1.000	4	2.467	276.30			
		development length (16mm dia)	28	0.800	4	1.579	141.48			
		Lateral Ties / Stirrups	28	1.380	13	0.395	193.96			
		(8mm dia @ 120c/c)	28	0.980	13	0.395	137.74			
		CG2								
		Vertical Main bars (16mm dia)	4	1.525	4	1.579	38.53			
		Vertical Main bars (12mm dia)	4	1.525	4	0.888	21.67			
		development length (16mm dia)	4	1.000	4	2.467	39.47			
		development length (12mm dia)	4	0.800	4	1.579	20.21			
		Lateral Ties / Stirrups	4	1.280	13	0.395	25.70			
		(8mm dia @ 120c/c)	4	0.910	13	0.395	18.27			
		Columns								
		CG1								
		Vertical Main bars (20mm dia)	28	3.300	4	2.467	911.80			
		Vertical Main bars (16mm dia)	28	3.300	4	1.579	583.60			
		Lateral Ties / Stirrups	28	1.480	17	0.395	272.81			
		(8mm dia @ 120c/c for 2000mm)	28	1.080	17	0.395	199.08			
		Confinement reinforcement	28	1.380	17	0.395	264.56			
		(8mm dia @ 75c/c for 650mm from both edges)	28	0.980	17	0.395	187.87			
		CG2								
		Vertical Main bars (16mm dia)	4	3.300	4	1.579	83.37			
		Vertical Main bars (12mm dia)	4	3.300	4	0.888	46.89			
		Lateral Ties / Stirrups	4	1.280	17	0.395	33.71			
		(8mm dia @ 120c/c for 2000mm)	4	0.910	17	0.395	23.96			
		Confinement reinforcement	4	1.280	17	0.395	35.05			
		(8mm dia @ 75c/c for 650mm from both edges)	4	0.910	17	0.395	24.92			
		Plinth beams								
		PBG1								
		(total length)		170.350						
		Horizontal Top bars (16mm dia)	1	170.350	3	1.579	806.95			
		Horizontal Bottom bars (16mm dia)	1	170.350	3	1.579	806.95			
		Horizontal Extra bars at Support (16mm dia)	1	85.175	0	1.579	0.00			
		Lateral Ties / Stirrups (8mm dia)	1	1.360	1704	0.395	915.12			
		Roof beams								
		BG1								
		(total length)		183.550						
		Horizontal Top bars (16mm dia)	1	183.550	3	1.579	869.48			
		Horizontal Bottom bars (16mm dia)	1	183.550	3	1.579	869.48			
		Horizontal Extra bars at Support (16mm dia)	1	91.775	2	1.579	289.83			
		Lateral Ties / Stirrups (8mm dia)	1	1.360	1836	0.395	986.03			

Sl. No.	Schedule No.	Particulars/Items of work	Nos.	Length (m)	Breadth (m)	Height/ Depth (m)	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
		Slabs 125 mm thick								
		Along x-axis		26.750						
		Bottom bars (10mm dia @ 150mm c/c)	1	26.750	178	0.395	1884.31			
		top bars (10mm dia @ 150mm c/c)	2	8.917	59	0.395	418.74			
		Along y-axis		12.400						
		Bottom bars (10mm dia @ 150mm c/c)	1	12.400	83	0.620	635.54			
		top bars (10mm dia @ 150mm c/c)	2	4.133	21	0.620	105.92			
		deduction								
		Along x-axis		3.650						
		Bottom bars (10mm dia @ 200mm c/c)	-2	3.650	18	0.620	-82.60			
		top bars (10mm dia @ 200mm c/c)	-4	1.217	6	0.620	-18.36			
		Along y-axis		1.600						
		Bottom bars (10mm dia @ 200mm c/c)	-2	1.600	8	0.620	-15.87			
		top bars (10mm dia @ 200mm c/c)	-4	0.533	3	0.620	-3.53			
		Along x-axis		3.650						
		Bottom bars (10mm dia @ 200mm c/c)	-1	3.650	18	0.620	-41.30			
		top bars (10mm dia @ 200mm c/c)	-2	1.217	6	0.620	-9.18			
		Along y-axis		4.600						
		Bottom bars (10mm dia @ 200mm c/c)	-1	4.600	23	0.620	-65.60			
		top bars (10mm dia @ 200mm c/c)	-2	1.533	8	0.620	-14.58			
		Staircase								
		Angle								
		Along x-axis		3.610						
		Bottom bars (10mm dia @ 200mm c/c)	2	3.610	24	0.620	107.73			
		top bars (10mm dia @ 200mm c/c)	4	1.203	8	0.620	23.94			
		Along y-axis		1.825						
		Bottom bars (10mm dia @ 200mm c/c)	2	1.825	12	0.620	27.53			
		top bars (10mm dia @ 200mm c/c)	4	0.608	4	0.620	6.12			
		Landing								
		Along x-axis		3.650						
		Bottom bars (10mm dia @ 200mm c/c)	1	3.650	24	0.620	55.07			
		top bars (10mm dia @ 200mm c/c)	2	1.217	8	0.620	12.24			
		Along y-axis		1.600						
		Bottom bars (10mm dia @ 200mm c/c)	1	1.600	11	0.620	10.58			
		top bars (10mm dia @ 200mm c/c)	2	0.533	4	0.620	2.35			
							14970.02	Kg	92.91	Rs. 13,90,864.53
BRICKWORK										
9.1	A6.1.4	Brick works with FPS bricks of class designation 75 in foundation and plinth in cement mortar 1:4 (1cem : 4coarse sand)								
		PBG1 (length after deducting columns)								
		Grid 1-1	1	6.950	0.250	0.800	1.39			
		Grid 2-2	1	10.075	0.250	0.800	2.02			
		Grid 3-3	1	10.075	0.250	0.800	2.02			
		Grid 4-4	1	10.075	0.250	0.800	2.02			
		Grid 5-5	1	10.075	0.250	0.800	2.02			
		Grid 6-6	1	10.075	0.000	0.800	0.00			
		Grid 7-7	1	10.075	0.250	0.800	2.02			
		Grid 8-8	1	10.075	0.250	0.800	2.02			
		Grid A-A	1	19.650	0.250	0.800	3.93			
		Grid B-B	1	3.475	0.250	0.800	0.70			
		Grid C-C	1	23.313	0.250	0.800	4.66			
		Grid D-D	1	23.313	0.250	0.800	4.66			
		Grid E-E	1	3.475	0.250	0.800	0.70			
		Grid F-F	1	19.650	0.250	0.800	3.93			
		Total Brickwork below Plinth					32.06	Cum	8356.79	Rs. 2,67,876.90
9.2	A6.1 + A6.2	Extra for brick work in superstructure above plinth level up to floor fifth level in prop 1:4 (1cem : 4coarse sand)								
		Grid 1-1	1	6.950	0.250	2.788	4.84			
		Grid 2-2	1	8.075	0.250	2.788	5.63			
		Grid 3-3	1	0.000	0.250	2.788	0.00			
		Grid 4-4	1	0.000	0.250	2.788	0.00			
		Grid 5-5	1	0.000	0.250	2.788	0.00			
		Grid 6-6	1	0.000	0.000	2.788	0.00			
		Grid 7-7	1	0.000	0.250	2.788	0.00			
		Grid 8-8	1	7.425	0.250	2.788	5.17			
		Grid A-A	1	19.650	0.250	2.788	13.69			
		Grid B-B	1	3.475	0.250	2.788	2.42			
		Grid C-C	1	0.000	0.250	2.788	0.00			
		Grid D-D	1	0.000	0.250	2.788	0.00			
		Grid E-E	1	3.475	0.250	2.788	2.42			
		Grid F-F	1	19.650	0.250	2.788	13.69			
		Total length of walls		68.700	m					
		Entrance Steps	1	3.650	0.300	0.250	0.27			
		Deduction								
		D4	-1	2.400	0.250	2.100	-1.26			
		V1	-3	1.200	0.250	0.600	-0.54			
		V2	-2	0.800	0.250	0.500	-0.20			
		W3	-10	2.000	0.250	2.100	-10.50			
		Total Brickwork in Superstructure					35.65	Cum	9243.20	Rs. 3,29,511.41
9.3	A6.14.2+ A6.15	Extra halfbrick work in superstructure above plinth level up to floor five level.in prop 1:4(1cem : 4coarse sand).								
		Grid 1-1	1	0.000		2.788	0.00			
		Grid 2-2	1	0.000		2.788	0.00			
		Grid 3-3	1	0.000		2.788	0.00			
		Grid 4-4	1	8.075		2.788	22.51			
		Grid 5-5	1	2.813		2.788	7.84			
		Grid 6-6	1	8.075		2.788	22.51			

Sl. No.	Schedule No.	Particulars/Items of work	Nos.	Length (m)	Breadth (m)	Height/ Depth (m)	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
		Grid 7-7	1	4.225		2.788	11.78			
		Grid 8-8	1	0.000		2.788	0.00			
		Grid A-A	1	0.000		2.788	0.00			
		Grid B-B	1	0.000		2.788	0.00			
		Grid C-C	1	16.738		2.788	46.66			
		Grid D-D	1	20.388		2.788	56.83			
		Grid E-E	1	0.000		2.788	0.00			
		Grid F-F	1	0.000		2.788	0.00			
		Non Grid elements								
		Toilet	1	9.200		3.175	29.21			
		Extensions	1	30.900		3.175	98.11			
		<i>Total length of walls</i>		100.413	<i>m</i>					
		<i>Deduction</i>								
		<i>D1</i>	-3	0.750	0.250	2.100	-1.18			
		<i>D2</i>	-6	0.900	0.250	2.100	-2.84			
		<i>D3</i>	-3	1.200	0.250	2.100	-1.89			
		Total half brickwork					289.53	Sqm	906.63	Rs. 2,62,498.71
<u>WOODWORK</u>										
10.1	A8.1.2	Providing woodwork in frames of doors, windows, celestories and other frames and fixed in position with seasoned and chemically treated hollock wood, koroi, titachap, etc.								
		Doors								
		<i>D1</i>	3	0.750	0.130	0.080	0.02			
			6	2.100	0.130	0.080	0.13			
		<i>D2</i>	6	0.900	0.130	0.080	0.06			
			12	2.100	0.130	0.080	0.26			
		<i>D3</i>	3	1.200	0.130	0.080	0.04			
			6	2.100	0.130	0.080	0.13			
		<i>D4</i>	1	2.400	0.130	0.080	0.02			
			2	2.100	0.130	0.080	0.04			
		Total woodwork in Door Frames					0.71	Cum	45201.32	Rs. 32,083.90
10.2	A8.6.2	Providing and fixing panelled or panelled and glazed shutters for doors, windows including ISI marked black enameled M.S. butt hinges with necessary screws excluding panelling which will be paid for separately. 35mm thick with seasoned and chemically treated hollock wood, koroi, Titachap, Bhola								
		Doors								
		<i>D1</i>	3	0.750		2.100	4.73			
		<i>D2</i>	6	0.900		2.100	11.34			
		<i>D3</i>	3	1.200		2.100	7.56			
		<i>D4</i>	1	2.400		2.100	5.04			
		Total woodwork in Door Panels					16.07	Sqm	2977.27	Rs. 47,829.84
<u>STEELWORK</u>										
11.1	A9.13.4	Providing and fixing ISI marked steel glazed doors, windows and ventilators of standard rolled steel sections, joints mitred and welded with 15x3mm lugs, 10cm long, embedded in cement concrete blocks 15x10x10cm of 1:3:6 including providing and fixing. Top hung Ventilators								
		<i>V1</i>	3	1.200		0.600	2.16			
		<i>V2</i>	2	0.800		0.500	0.80			
		Total					2.96	Sqm	2935.60	Rs. 8,689.38
11.2	A9.13.3	Providing and fixing ISI marked steel glazed doors, windows and ventilators of standard rolled steel sections, joints mitred and welded with 15x3mm lugs, 10cm long, embedded in cement concrete blocks 15x10x10cm of 1:3:6 including providing and fixing. Side Hung Windows								
		<i>W3</i>	10	2.000		2.100	42.00			
		<i>Glazed Steel Frame</i>	1	4.225		3.175	13.41			
							55.41	Sqm	2283.25	Rs. 1,26,524.87
11.3	A8.39.2	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. all complete. Fixed to openings/wooden framses with rawl plugs screws.								
		<i>W3</i>	10	2.000		2.100	42.00			
		<i>Glazed Steel Frame</i>	1	4.225		3.175	13.41			
							55.41	sqm		
						Kg @ 4.5kg/m <sup>2</sup>	249.36	Kg/m <sup>2</sup>	112.50	Rs. 28,053.53
11.4	A9.36.1	Providing and fixing hand rails by welding etc. to steel ladder railing, balcony railing & staircase railing including applying a priming coat of approved steel primer with M.S. tube (medium) 40mm nominal dia.								
		Horizontals	2	2.915			5.83			
		Verticals	21	0.900			18.90			
							18.90	m		
						Kg @ 2.5kg/m	47.25	Kg	183.62	Rs. 8,676.05
<u>FLOORING</u>										
12.1	A2.27	Supplying and filling in plinth with 100mm thick fine sand or stone dust under the floors including watering, raming, consolidating and dressing complete								
		Ground Floor	1	21.900	11.200		245.28			
			1	3.650	8.000		29.20			
		<i>Deduction</i>	-1	169.113	0.125		-21.14			
							253.34	sqm	314.74	Rs. 79,736.53
12.2	A4.1.5	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering 1:3:6 (1cement: 3coarse sand: 6graded stone agregate)								
		Ground Floor	1	21.900	11.200	0.150	36.79			
			1	3.650	8.000	0.150	4.38			
		Deduction	-1	169.113	0.125	0.150	-3.17			
							38.00	Cum	7841.60	Rs. 2,97,989.74
12.3	A10.7.1	Providing cement plaster skirting (upto 30cm height) with cement mortar 1:3 finished with a floating coat of neat cement. 18mm thick.								
		Walls (as per item 9.2)	1	68.700		0.300	20.61			
		Walls (as per item 9.3)	1	100.413		0.300	30.12			
		Staircase								
		<i>Angle</i>	2	3.610		0.300	2.17			
		<i>Landing</i>	1	3.650		0.300	1.10			
		Deduction								
		<i>D1</i>	3	0.750		0.300	0.68			
		<i>D2</i>	6	0.900		0.300	1.62			

Sl. No.	Schedule No.	Particulars/Items of work	Nos.	Length (m)	Breadth (m)	Height/ Depth (m)	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
		<i>D3</i>	3	1.200		0.300	1.08			
		<i>D4</i>	1	2.400		0.300	0.72			
		Total Skirting Work					58.09	Sqm	422.05	Rs. 24,516.78
12.4	A 10.38.1	Kota stone slab flooring over 20mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete with base of 1 : 4 (1 cement : 4 coarse sand): 25 mm thick								
		Floor area (as per item 12.1)	1	253.341			253.34			
							253.34	Sqm	1724.44	Rs. 4,36,871.25
12.5	A 10.39	Kota stone slabs 25 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 and jointed with grey cement slurry mixed with pigment to match the shade of the slabs. including rubbing and polishing complete.								
		Skirting (Qty as per item 12.3)	1	58.090			58.09			
		Staircase								
		<i>Thread</i>	20	1.825	0.250		9.13			
		<i>Landing</i>	1	1.600	3.650		5.84			
		<i>Riser</i>	22	3.650		0.150	12.05			
							27.01	Sqm	1911.67	Rs. 51,634.21
FINISHING										
13.1	A13.10	Providing 12mm thick cement plaster of mix 1:3 (1cement :3coarse sand) finished with a floating coat of neat cement)								
		walls (qty as per item 9.2+9.3)	2	169.113		2.900	980.85			
		<i>Deduction</i>			nos					
		<i>D1</i>	-3	0.750	2.000	2.100	-9.45			
		<i>D2</i>	-6	0.900	2.000	2.100	-22.68			
		<i>D3</i>	-3	1.200	2.000	2.100	-15.12			
		<i>D4</i>	-1	2.400	2.000	2.100	-10.08			
		<i>V1</i>	-3	1.200	2.000	0.600	-4.32			
		<i>V2</i>	-2	0.800	2.000	0.500	-1.60			
		<i>W3</i>	-10	2.000	2.000	2.100	-84.00			
		Total Plaster work					833.60	Sqm	247.19	Rs. 2,06,058.20
13.2	A13.17.1	Providing 6mm thick cement plaster of mix 1:3 (1cement :3coarse sand)								
		Ceiling	1	253.341			253.34	Sqm	165.37	Rs. 41,894.99
13.3	A13.47.1	Finishing walls with textured exterior paint "Sandtex Matt" of M/s Snowcem India Ltd., or equivalent of required shade New work (Two or more coats applied @ 3.28 ltr/10 Sqm) over and including base coat of water proofing cement paint "Snowcem Plus" or equivalent applied @ 220kg/10 sq								
		External wall only	1	75.00		3.300	247.50			
							247.50	Sqm	257.31	Rs. 63,684.23
13.4	A13.50.1	Finishing walls with delux multi- surface paint system "Uni-gloss of M/s Snowcem India ltd. or equivalent for interiors using priming as per manufacturers specifications. Two or more coats applied @ 1.25ltr/10sqm over and including one coat of special primer applied @0.75 ltr/10sqm.								
		Internal wall	1	94.113		3.175	298.81			
		Ceiling (as per item 12.1)	1	253.341			253.34			
							552.15	Sqm	171.86	Rs. 94,892.18
13.5	A13.50.3	Painting steelworks with delux multi-surface paint "Uni-gloss" of M/s Snowcem India Ltd. Or equivalent to give an even shade. Two or more coat applied @ 0.90Ltr/10 sqm over an undercoat of primer UG or equivalent, applied @ 0.80ltr./10 sqm of approved brand.								
		Windows & Ventilators priming & painting	1				227.58	Sqm	144.65	Rs. 32,919.09
13.6	A13.50.2	Painting wood works with delux multi-surface paint "Uni-gloss" of M/s Snow cem India Ltd. Or equi valent to give an even shade. Two or more coats applied @ 0.90Ltr/10 sqm over an undercoat of primer C-W or equi valent, applied @ 0.75ltr./10 sqm.								
		Doors priming & painting	1				32.13	Sqm	145.04	Rs. 4,660.14
FITTINGS										
14.1	A8.44	Providing 40x5 mm flat iron hold fasts 40cm long including fixing to frame with 10mm diameter bolts, nuts and wooden plugs and embeddings in cement concrete block 30x10x15 cm 1:3:6 mix (1cem :3coarse sand :6graded stone aggregate 20mm nom size).								
		D1	18				18.00			
		D2	36				36.00			
		D3	18				18.00			
		D4	6				6.00			
		Total Door Holdfasts					54.00	Each	133.17	Rs. 7,191.18
14.2	A8.90.1	Providing and fixing aluminium sliding door bolts ISI marked anodised transparent or dyed to required color or shade with nuts and screws etc. complete of 300mmx16mm size.								
		D1	6				6.00			
		D2	12				12.00			
		D3	6				6.00			
		D4	2				2.00			
		Total Door Sliding Bolts					18.00	Each	282.50	Rs. 5,085.00
14.3	A8.91.1	Providing and fixing aluminium tower bolts ISI marked anodised transparent or dyed to required color or shade with nuts and screws etc. complete of 300mmx10mm size.								
		D1	3				3.00			
		D2	6				6.00			
		D3	3				3.00			
		D4	1				1.00			
		Total Door Tower Bolts					9.00	Each	133.74	Rs. 1,203.66
14.4	A8.94.1	Providing and fixing aluminium handles ISI marked anodised transparent or dyed to required color or shade with nuts and screws etc. complete of 125mm size.								
		D1	6				6.00			
		D2	12				12.00			
		D3	6				6.00			
		D4	2				2.00			
		Total Door Handles					18.00	Each	105.00	Rs. 1,890.00
14.5	A8.46.3	Providing and fixing ISI marked M.S. pressed butt hinges bright finished with necessary screws etc. complete. 75x47x1.70 mm								
		D1	9				9.00			
		D2	18				18.00			
		D3	9				9.00			
		D4	3				3.00			
		Total Door Hinges					39.00	Each	33.66	Rs. 1,312.74
TOTAL COST										Rs. 66,64,036.86

Sl. No.	Schedule No.	Particulars/Items of work	Nos.	Length (m)	Breadth (m)	Height/ Depth (m)	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
FIRST FLOOR										
REINFORCED CEMENT CONCRETE										
6.2	A5.2.2	R.C.C work in walls (any thickness) including attached pilasters, columns, pillars, abutments etc. up to floor five level excluding cost of centering, shuttering, finishing and reinforcement in prop 1:1.5:3 (1 cem: 1.5coarse sand: 3graded stone aggregate of 20mm)								
		CG1	28	0.375	0.375	3.300	12.99			
		CG2	4	0.350	0.350	3.300	1.62			
							14.61	Cum	9810.21	Rs. 1,43,334.53
6.3	A5.3	R.C.C. works in beams, suspended floors, roofs having slope up to 15°,landings, chajjas, lintels, staircases etc, up to floor five level excluding the cost of centering, shuttering, finishing and reinforcement etc. in prop 1:2:4 (1cem :2Coarse sand :4Graded stone aggregate 20 mm)								
		Roof beams								
		BG1								
		Grid 1-1	1	8.150	0.250	0.450	0.92			
		Grid 2-2	1	11.275	0.250	0.450	1.27			
		Grid 3-3	1	11.275	0.250	0.450	1.27			
		Grid 4-4	1	11.275	0.250	0.450	1.27			
		Grid 5-5	1	11.275	0.250	0.450	1.27			
		Grid 6-6	1	11.275	0.000	0.450	0.00			
		Grid 7-7	1	11.275	0.250	0.450	1.27			
		Grid 8-8	1	11.275	0.250	0.450	1.27			
		Grid A-A	1	20.250	0.250	0.450	2.28			
		Grid B-B	1	4.075	0.250	0.450	0.46			
		Grid C-C	1	23.913	0.250	0.450	2.69			
		Grid D-D	1	23.913	0.250	0.450	2.69			
		Grid E-E	1	4.075	0.250	0.450	0.46			
		Grid F-F	1	20.250	0.250	0.450	2.28			
		Total length of BG1		183.550	m					
		Total for RCC Beams			m		19.38	Cum	9087.07	Rs. 1,76,115.94
		Slabs								
		Slab 125 mm thick	1	26.750	12.400	0.125	41.46			
		Deduction	-2	3.650	1.600	0.125	-1.46			
		Staircase								
		Angle	2	3.610	1.825	0.125	1.65			
		Landing	1	3.650	1.600	0.125	0.73			
		Deduction	-1	4.600	3.650	0.125	-2.10			
		Total for RCC Slabs					40.28	Cum	9087.07	Rs. 3,66,034.56
FORMWORK										
7.2	A5.6.1.3	Centering and shuttering including strutting, propping etc. and removal of formwork for : Suspended floors,roofs, landings, balconies, etc.								
		Slabs								
		Slab	1	26.750	12.400		331.70			
		Deduction	-2	3.650	1.600		-11.68			
			-1	3.650	4.600		-16.79			
		Staircase								
		Angle	2	3.610	1.825		13.18			
		Landing	1	3.650	1.600		5.84			
							322.25	Sqm	375.00	Rs. 1,20,842.44
7.3	A5.6.1.5	Centering and shuttering including strutting, propping etc. and removal of formwork for : Lintels, beams, plinth beams etc.								
		Roof beams								
		BG1								
		Grid 1-1	1	8.150	1.150		9.37			
		Grid 2-2	1	11.275	1.150		12.97			
		Grid 3-3	1	11.275	1.150		12.97			
		Grid 4-4	1	11.275	1.150		12.97			
		Grid 5-5	1	11.275	1.150		12.97			
		Grid 6-6	1	11.275	0.900		10.15			
		Grid 7-7	1	11.275	1.150		12.97			
		Grid 8-8	1	11.275	1.150		12.97			
		Grid A-A	1	20.250	1.150		23.29			
		Grid B-B	1	4.075	1.150		4.69			
		Grid C-C	1	23.913	1.150		27.50			
		Grid D-D	1	23.913	1.150		27.50			
		Grid E-E	1	4.075	1.150		4.69			
		Grid F-F	1	20.250	1.150		23.29			
		Total Shuttering for Roof Beams					208.26	Sqm	301.77	Rs. 62,847.75
7.4	A5.6.1.6	Centering and shuttering including strutting, propping etc. and removal of formwork for : Columns, Post and Struts etc.								
		Columns								
		CG1	28	1.500		3.300	138.60			
		CG2	4	1.400		3.300	18.48			
		Total Shuttering for Columns					157.08	Sqm	439.50	Rs. 69,036.66
STEEL REINFORCEMENT										
8.1	A5.18.4	Reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete. Hot rolled deformed bars (Tor).								
			Nos	Length	Bar Nos	Kg/m	Kg			
		Columns								
		CG1								
		Vertical Main bars (20mm dia)	28	3.300	4	2.467	911.80			
		Vertical Main bars (16mm dia)	28	3.300	4	1.579	583.60			
		Lateral Ties / Stirrups	28	1.480	17	0.395	272.81			
		(8mm dia @ 120c/c for 2000mm)	28	1.080	17	0.395	199.08			
		Confinement reinforcement	28	1.480	17	0.395	283.73			
		(8mm dia @ 75c/c for 650mm from both edges)	28	1.080	17	0.395	207.04			

Sl. No.	Schedule No.	Particulars/Items of work	Nos.	Length (m)	Breadth (m)	Height/ Depth (m)	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
		CG2								
		Vertical Main bars (16mm dia)	4	3.300	4	1.579	83.37			
		Vertical Main bars (12mm dia)	4	3.300	4	0.888	46.89			
		Lateral Ties / Stirrups (8mm dia @ 120c/c for 2000mm)	4	1.380	17	0.395	36.34			
		Confinement reinforcement (8mm dia @ 75c/c for 650mm from both edges)	4	0.980	17	0.395	25.81			
			4	1.280	17	0.395	35.05			
			4	0.910	17	0.395	24.92			
		Roof beams								
		BG1								
		(total length)		183.550						
		Horizontal Top bars (16mm dia)	1	183.550	3	1.579	869.48			
		Horizontal Bottom bars (16mm dia)	1	183.550	3	1.579	869.48			
		Horizontal Extra bars at Support (16mm dia)	1	91.775	2	1.579	289.83			
		Lateral Ties / Stirrups (8mm dia)	1	1.360	1836	0.395	986.03			
		Slabs 125 mm thick								
		Along x-axis		26.750						
		Bottom bars (10mm dia @ 150mm c/c)	1	26.750	178	0.395	1884.31			
		top bars (10mm dia @ 150mm c/c)	2	8.917	59	0.395	418.74			
		Along y-axis		12.400						
		Bottom bars (10mm dia @ 150mm c/c)	1	12.400	83	0.620	635.54			
		top bars (10mm dia @ 150mm c/c)	2	4.133	21	0.620	105.92			
		deduction								
		Along x-axis		3.650						
		Bottom bars (10mm dia @ 200mm c/c)	-2	3.650	18	0.620	-82.60			
		top bars (10mm dia @ 200mm c/c)	-4	1.217	6	0.620	-18.36			
		Along y-axis		1.600						
		Bottom bars (10mm dia @ 200mm c/c)	-2	1.600	8	0.620	-15.87			
		top bars (10mm dia @ 200mm c/c)	-4	0.533	3	0.620	-3.53			
		Along x-axis		3.650						
		Bottom bars (10mm dia @ 200mm c/c)	-1	3.650	18	0.620	-41.30			
		top bars (10mm dia @ 200mm c/c)	-2	1.217	6	0.620	-9.18			
		Along y-axis		4.600						
		Bottom bars (10mm dia @ 200mm c/c)	-1	4.600	23	0.620	-65.60			
		top bars (10mm dia @ 200mm c/c)	-2	1.533	8	0.620	-14.58			
		Staircase								
		Angle								
		Along x-axis		3.610						
		Bottom bars (10mm dia @ 200mm c/c)	2	3.610	24	0.620	107.73			
		top bars (10mm dia @ 200mm c/c)	4	1.203	8	0.620	23.94			
		Along y-axis		1.825						
		Bottom bars (10mm dia @ 200mm c/c)	2	1.825	12	0.620	27.53			
		top bars (10mm dia @ 200mm c/c)	4	0.608	4	0.620	6.12			
		Landing								
		Along x-axis		3.650						
		Bottom bars (10mm dia @ 200mm c/c)	1	3.650	24	0.620	55.07			
		top bars (10mm dia @ 200mm c/c)	2	1.217	8	0.620	12.24			
		Along y-axis		1.600						
		Bottom bars (10mm dia @ 200mm c/c)	1	1.600	11	0.620	10.58			
		top bars (10mm dia @ 200mm c/c)	2	0.533	4	0.620	2.35			
							8764.33	Kg	92.91	Rs. 8,14,293.49
BRICKWORK										
9.2	A6.1 + A6.2	Extra for brick work in superstructure above plinth level up to floor fifth level in prop 1:4 (1cem : 4coarse sand)								
		Grid 1-1	1	6.950	0.250	2.788	4.84			
		Grid 2-2	1	8.075	0.250	2.788	5.63			
		Grid 3-3	1	0.000	0.250	2.788	0.00			
		Grid 4-4	1	0.000	0.250	2.788	0.00			
		Grid 5-5	1	0.000	0.250	2.788	0.00			
		Grid 6-6	1	0.000	0.000	2.788	0.00			
		Grid 7-7	1	0.000	0.250	2.788	0.00			
		Grid 8-8	1	7.425	0.250	2.788	5.17			
		Grid A-A	1	16.000	0.250	2.788	11.15			
		Grid B-B	1	3.475	0.250	2.788	2.42			
		Grid C-C	1	0.000	0.250	2.788	0.00			
		Grid D-D	1	0.000	0.250	2.788	0.00			
		Grid E-E	1	3.475	0.250	2.788	2.42			
		Grid F-F	1	19.650	0.250	2.788	13.69			
		Total length of walls		65.050	m					
		Deduction								
		V1	-3	1.200	0.250	0.600	-0.54			
		V2	-2	0.800	0.250	0.500	-0.20			
		W3	-10	2.000	0.250	2.100	-10.50			
		Total Brickwork in Superstructure					34.09	Cum	9243.20	Rs. 3,15,116.57
9.3	A6.14.2+ A6.15	Extra halfbrick work in superstructure above plinth level up to floor five level.in prop 1:4(1cem : 4coarse sand).								
		Grid 1-1	1	0.000		2.788	0.00			
		Grid 2-2	1	0.000		2.788	0.00			
		Grid 3-3	1	8.075		2.788	22.51			
		Grid 4-4	1	8.075		2.788	22.51			
		Grid 5-5	1	8.075		2.788	22.51			
		Grid 6-6	1	8.075		2.788	22.51			
		Grid 7-7	1	8.075		2.788	22.51			
		Grid 8-8	1	0.000		2.788	0.00			
		Grid A-A	1	0.000		2.788	0.00			
		Grid B-B	1	0.000		2.788	0.00			
		Grid C-C	1	20.388		2.788	56.83			

Sl. No.	Schedule No.	Particulars/Items of work	Nos.	Length (m)	Breadth (m)	Height/ Depth (m)	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
		Grid D-D	1	20.388		2.788	56.83			
		Grid E-E	1	0.000		2.788	0.00			
		Grid F-F	1	0.000		2.788	0.00			
		Non Grid elements								
		Toilet	1	14.000		3.175	44.45			
		Extensions	1	30.900		3.175	98.11			
		Total length of walls		126.050	m					
		Deduction								
		D1	-5	0.750	0.250	2.100	-1.97			
		D2	-10	0.900	0.250	2.100	-4.73			
		D3	-1	1.200	0.250	2.100	-0.63			
		Total half brickwork					361.44	Sqm	906.63	Rs. 3,27,691.78
WOODWORK										
10.1	A8.1.2	Providing woodwork in frames of doors, windows, celestories and other frames and fixed in position with seasoned and chemically treated hollock wood, koroi, titachap, etc.								
		Doors								
		D1	5	0.750	0.130	0.080	0.04			
			10	2.100	0.130	0.080	0.22			
		D2	10	0.900	0.130	0.080	0.09			
			20	2.100	0.130	0.080	0.44			
		D3	1	1.200	0.130	0.080	0.01			
			2	2.100	0.130	0.080	0.04			
		Total woodwork in Door Frames					0.84	Cum	45201.32	Rs. 38,148.11
10.2	A8.6.2	Providing and fixing panelled or panelled and glazed shutters for doors, windows including ISI marked black enameled M.S. butt hinges with necessary screws excluding panelling which will be paid for separately. 35mm thick with seasoned and chemically treated hollock wood, koroi, Titachap, Bhola								
		Doors								
		D1	5	0.750		2.100	7.88			
		D2	10	0.900		2.100	18.90			
		D3	1	1.200		2.100	2.52			
		Total woodwork in Door Panels					26.78	Sqm	2977.27	Rs. 79,716.40
STEELWORK										
11.1	A9.13.4	Providing and fixing ISI marked steel glazed doors, windows and ventilators of standard rolled steel sections, joints mitred and welded with 15x3mm lugs, 10cm long, embedded in cement concrete blocks 15x10x10cm of 1:3:6 including providing and fixing. Top hung Ventilators								
		V1	3	1.200		0.600	2.16			
		V2	2	0.800		0.500	0.80			
		Total					2.96	Sqm	2935.60	Rs. 8,689.38
11.2	A9.13.3	Providing and fixing ISI marked steel glazed doors, windows and ventilators of standard rolled steel sections, joints mitred and welded with 15x3mm lugs, 10cm long, embedded in cement concrete blocks 15x10x10cm of 1:3:6 including providing and fixing. Side Hung Windows								
		W3	10	2.000		2.100	42.00			
		Glazed Steel Frame	1	4.225		3.175	13.41			
			1	3.275		3.175	10.40			
							65.81	Sqm	2283.25	Rs. 1,50,266.39
11.3	A8.39.2	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. all complete. Fixed to openings/wooden framses with rawl plugs screws.								
		W3	10	2.000		2.100	42.00			
							42.00	sqm		
						Kg @ 4.5kg/m <sup>2</sup>	189.00	Kg/m <sup>2</sup>	112.50	Rs. 21,262.50
11.4	A9.36.1	Providing and fixing hand rails by welding etc. to steel ladder railing, balcony railing & staircase railing including applying a priming coat of approved steel primer with M.S. tube (medium) 40mm nominal dia								
		Horizontals	2	2.915			5.83			
		Verticals	21	0.900			18.90			
							18.90	m		
						Kg @ 2.5kg/m	47.25	Kg	183.62	Rs. 8,676.05
FLOORING										
12.3	A10.7.1	Providing cement plaster skirting (upto 30cm height) with cement mortar 1:3 finished with a floating coat of neat cement. 18mm thick.								
		Walls (as per item 9.2)	1	65.050		0.300	19.52			
		Walls (as per item 9.3)	1	126.050		0.300	37.82			
		Staircase								
		Angle	2	3.610		0.300	2.17			
		Landing	1	3.650		0.300	1.10			
		Deduction								
		D1	5	0.750		0.300	1.13			
		D2	10	0.900		0.300	2.70			
		D3	1	1.200		0.300	0.36			
		Total Skirting Work					64.78	Sqm	422.05	Rs. 27,338.71
12.4	A 10.38.1	Kota stone slab flooring over 20mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete with base of 1 : 4 (1 cement : 4 coarse sand): 25 mm thick								
		Floor area	1	253.341			253.34			
							253.34	Sqm	1724.44	Rs. 4,36,871.25
12.5	A 10.39	Kota stone slabs 25 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 and jointed with grey cement slurry mixed with pigment to match the shade of the slabs. including rubbing and polishing complete.								
		Skirting (Qty as per item 12.3)	1	64.776			64.78			
		Staircase								
		Thread	20	1.825	0.250		9.13			
		Landing	1	1.600	3.650		5.84			
		Riser	22	3.650		0.150	12.05			
							27.01	Sqm	1911.67	Rs. 51,634.21
FINISHING										

Sl. No.	Schedule No.	Particulars/Items of work	Nos.	Length (m)	Breadth (m)	Height/ Depth (m)	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
13.1	A13.10	Providing 12mm thick cement plaster of mix 1:3 (1cement :3coarse sand) finished with a floating coat of neat cement)								
		walls (qty as per item 9.2+9.3)	2	191.100		2.900	1108.38			
		<i>Deduction</i>			nos					
		<i>D1</i>	-5	0.750	2.000	2.100	-15.75			
		<i>D2</i>	-10	0.900	2.000	2.100	-37.80			
		<i>D3</i>	-1	1.200	2.000	2.100	-5.04			
		<i>V1</i>	-3	1.200	2.000	0.600	-4.32			
		<i>V2</i>	-2	0.800	2.000	0.500	-1.60			
		<i>W3</i>	-10	2.000	2.000	2.100	-84.00			
		Total Plaster work					959.87	Sqm	247.19	Rs. 2,37,270.27
13.2	A13.17.1	Providing 6mm thick cement plaster of mix 1:3 (1cement :3coarse sand)								
		Ceiling	1	253.341			253.34	Sqm	165.37	Rs. 41,894.99
13.3	A13.47.1	Finishing walls with textured exterior paint "Sandtex Matt" of M/s Snowcem India Ltd., or equivalent of required shade New work (Two or more coats applied @ 3.28 ltr/10 Sqm) over and including base coat of water proofing cement paint "Snowcem Plus" or equivalent applied @ 220kg/10 sq								
		External wall only	1	75.000		3.300	247.50			
							247.50	Sqm	257.31	Rs. 63,684.23
13.4	A13.50.1	Finishing walls with delux multi- surface paint system "Uni-gloss of M/s Snowcem India ltd. or equivalent for interiors using priming as per manufacturers								
		Internal wall	1	116.100		3.175	368.62			
		Ceiling	1	253.341			253.34			
							621.96	Sqm	171.86	Rs. 1,06,889.78
13.5	A13.50.3	Painting steelworks with delux multi-surface paint "Uni-gloss" of M/s Snowcem India Ltd. Or equivalent to give an even shade. Two or more coat applied @ 0.90Ltr/10 sqm over an undercoat of primer UG or equivalent, applied @ 0.80ltr./10 sqm of approved brand.								
		Windows & Ventilators priming & painting	1				221.55	Sqm	144.65	Rs. 32,046.48
13.6	A13.50.2	Painting wood works with delux multi-surface paint "Uni-gloss" of M/s Snow cem India Ltd. Or equi valent to give an even shade. Two or more coats applied @ 0.90Ltr/10 sqm over an undercoat of primer C-W or equi valent, applied @ 0.75ltr./10 sqm.								
		Doors priming & painting	1				53.55	Sqm	145.04	Rs. 7,766.89
<b>FITTINGS</b>										
14.1	A8.44	Providing 40x5 mm flat iron hold fasts 40cm long including fixing to frame with 10mm diameter bolts, nuts and wooden plugs and embeddings in cement concrete block 30x10x15 cm 1:3:6 mix (1cem :3coarse sand :6graded stone aggregate 20mm nom size).								
		D1	30				30.00			
		D2	60				60.00			
		D3	6				6.00			
		Total Door Holdfasts					90.00	Each	133.17	Rs. 11,985.30
14.2	A8.90.1	Providing and fixing aluminium sliding door bolts ISI marked anodised transparent or dyed to required color or shade with nuts and screws etc. complete of 300mmx16mm size.								
		D1	10				10.00			
		D2	20				20.00			
		D3	2				2.00			
		Total Door Sliding Bolts					30.00	Each	282.50	Rs. 8,475.00
14.3	A8.91.1	Providing and fixing aluminium tower bolts ISI marked anodised transparent or dyed to required color or shade with nuts and screws etc. complete of 300mmx10mm size.								
		D1	5				5.00			
		D2	10				10.00			
		D3	1				1.00			
		Total Door Tower Bolts					15.00	Each	133.74	Rs. 2,006.10
14.4	A8.94.1	Providing and fixing aluminium handles ISI marked anodised transparent or dyed to required color or shade with nuts and screws etc. complete of 125mm size.								
		D1	10				10.00			
		D2	20				20.00			
		D3	2				2.00			
		Total Door Handles					30.00	Each	105.00	Rs. 3,150.00
14.5	A8.46.3	Providing and fixing ISI marked M.S. pressed butt hinges bright finished with necessary screws etc. complete 75x47x1.70 mm								
		D1	15				15.00			
		D2	30				30.00			
		D3	3				3.00			
		Total Door Hinges					48.00	Each	33.66	Rs. 1,615.68
<b>TOTAL COST</b>										<b>Rs. 37,34,701.42</b>



Sl. No.	Schedule No.	Particulars/Items of work	Nos.	Length (m)	Breadth (m)	Height/ Depth (m)	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
FIRST FLOOR										
REINFORCED CEMENT CONCRETE										
6.2	A5.2.2	R.C.C work in walls (any thickness) including attached pilasters, columns, pillars, abutments etc. up to floor five level excluding cost of centering, shuttering, finishing and reinforcement in prop 1:1.5:3 (1 cem: 1.5coarse sand: 3graded stone aggregate of 20mm)								
		CG1	28	0.375	0.375	3.300	12.99			
		CG2	4	0.350	0.350	3.300	1.62			
							14.61	Cum	9810.21	Rs. 1,43,334.53
6.3	A5.3	R.C.C. works in beams, suspended floors, roofs having slope up to 15°,landings, chajjas, lintels, staircases etc, up to floor five level excluding the cost of centering, shuttering, finishing and reinforcement etc. in prop 1:2:4 (1cem :2Coarse sand :4Graded stone aggregate 20 mm)								
		Roof beams								
		BG1								
		Grid 1-1	1	8.150	0.250	0.450	0.92			
		Grid 2-2	1	11.275	0.250	0.450	1.27			
		Grid 3-3	1	11.275	0.250	0.450	1.27			
		Grid 4-4	1	11.275	0.250	0.450	1.27			
		Grid 5-5	1	11.275	0.250	0.450	1.27			
		Grid 6-6	1	11.275	0.000	0.450	0.00			
		Grid 7-7	1	11.275	0.250	0.450	1.27			
		Grid 8-8	1	11.275	0.250	0.450	1.27			
		Grid A-A	1	20.250	0.250	0.450	2.28			
		Grid B-B	1	4.075	0.250	0.450	0.46			
		Grid C-C	1	23.913	0.250	0.450	2.69			
		Grid D-D	1	23.913	0.250	0.450	2.69			
		Grid E-E	1	4.075	0.250	0.450	0.46			
		Grid F-F	1	20.250	0.250	0.450	2.28			
		Total length of BG1		183.550	m					
		Total for RCC Beams			m		19.38	Cum	9087.07	Rs. 1,76,115.94
		Slabs								
		Slab 125 mm thick	1	26.750	12.400	0.125	41.46			
		Deduction	-2	3.650	1.600	0.125	-1.46			
		Staircase								
		Angle	2	3.610	1.825	0.125	1.65			
		Landing	1	3.650	1.600	0.125	0.73			
		Deduction	-1	4.600	3.650	0.125	-2.10			
		Total for RCC Slabs					40.28	Cum	9087.07	Rs. 3,66,034.56
FORMWORK										
7.2	A5.6.1.3	Centering and shuttering including strutting, propping etc. and removal of formwork for : Suspended floors,roofs, landings, balconies, etc.								
		Slabs								
		Slab	1	26.750	12.400		331.70			
		Deduction	-2	3.650	1.600		-11.68			
			-1	3.650	4.600		-16.79			
		Staircase								
		Angle	2	3.610	1.825		13.18			
		Landing	1	3.650	1.600		5.84			
							322.25	Sqm	375.00	Rs. 1,20,842.44
7.3	A5.6.1.5	Centering and shuttering including strutting, propping etc. and removal of formwork for : Lintels, beams, plinth beams etc.								
		Roof beams								
		BG1								
		Grid 1-1	1	8.150	1.150		9.37			
		Grid 2-2	1	11.275	1.150		12.97			
		Grid 3-3	1	11.275	1.150		12.97			
		Grid 4-4	1	11.275	1.150		12.97			
		Grid 5-5	1	11.275	1.150		12.97			
		Grid 6-6	1	11.275	0.900		10.15			
		Grid 7-7	1	11.275	1.150		12.97			
		Grid 8-8	1	11.275	1.150		12.97			
		Grid A-A	1	20.250	1.150		23.29			
		Grid B-B	1	4.075	1.150		4.69			
		Grid C-C	1	23.913	1.150		27.50			
		Grid D-D	1	23.913	1.150		27.50			
		Grid E-E	1	4.075	1.150		4.69			
		Grid F-F	1	20.250	1.150		23.29			
		Total Shuttering for Roof Beams					208.26	Sqm	301.77	Rs. 62,847.75
7.4	A5.6.1.6	Centering and shuttering including strutting, propping etc. and removal of formwork for : Columns, Post and Struts etc.								
		Columns								
		CG1	28	1.500		3.300	138.60			
		CG2	4	1.400		3.300	18.48			
		Total Shuttering for Columns					157.08	Sqm	439.50	Rs. 69,036.66
STEEL REINFORCEMENT										
8.1	A5.18.4	Reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete. Hot rolled deformed bars (Tor).								
			Nos	Length	Bar Nos	Kg/m	Kg			
		Columns								
		CG1								
		Vertical Main bars (20mm dia)	28	3.300	4	2.467	911.80			
		Vertical Main bars (16mm dia)	28	3.300	4	1.579	583.60			
		Lateral Ties / Stirrups	28	1.480	17	0.395	272.81			
		(8mm dia @ 120c/c for 2000mm)	28	1.080	17	0.395	199.08			
		Confinement reinforcement	28	1.480	17	0.395	283.73			
		(8mm dia @ 75c/c for 650mm from both edges)	28	1.080	17	0.395	207.04			

Sl. No.	Schedule No.	Particulars/Items of work	Nos.	Length (m)	Breadth (m)	Height/ Depth (m)	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
		CG2								
		Vertical Main bars (16mm dia)	4	3.300	4	1.579	83.37			
		Vertical Main bars (12mm dia)	4	3.300	4	0.888	46.89			
		Lateral Ties / Stirrups (8mm dia @ 120c/c for 2000mm)	4	1.380	17	0.395	36.34			
		Confinement reinforcement (8mm dia @ 75c/c for 650mm from both edges)	4	0.980	17	0.395	25.81			
			4	1.280	17	0.395	35.05			
			4	0.910	17	0.395	24.92			
		Roof beams								
		BG1								
		(total length)		183.550						
		Horizontal Top bars (16mm dia)	1	183.550	3	1.579	869.48			
		Horizontal Bottom bars (16mm dia)	1	183.550	3	1.579	869.48			
		Horizontal Extra bars at Support (16mm dia)	1	91.775	2	1.579	289.83			
		Lateral Ties / Stirrups (8mm dia)	1	1.360	1836	0.395	986.03			
		Slabs 125 mm thick								
		Along x-axis		26.750						
		Bottom bars (10mm dia @ 150mm c/c)	1	26.750	178	0.395	1884.31			
		top bars (10mm dia @ 150mm c/c)	2	8.917	59	0.395	418.74			
		Along y-axis		12.400						
		Bottom bars (10mm dia @ 150mm c/c)	1	12.400	83	0.620	635.54			
		top bars (10mm dia @ 150mm c/c)	2	4.133	21	0.620	105.92			
		deduction								
		Along x-axis		3.650						
		Bottom bars (10mm dia @ 200mm c/c)	-2	3.650	18	0.620	-82.60			
		top bars (10mm dia @ 200mm c/c)	-4	1.217	6	0.620	-18.36			
		Along y-axis		1.600						
		Bottom bars (10mm dia @ 200mm c/c)	-2	1.600	8	0.620	-15.87			
		top bars (10mm dia @ 200mm c/c)	-4	0.533	3	0.620	-3.53			
		Along x-axis		3.650						
		Bottom bars (10mm dia @ 200mm c/c)	-1	3.650	18	0.620	-41.30			
		top bars (10mm dia @ 200mm c/c)	-2	1.217	6	0.620	-9.18			
		Along y-axis		4.600						
		Bottom bars (10mm dia @ 200mm c/c)	-1	4.600	23	0.620	-65.60			
		top bars (10mm dia @ 200mm c/c)	-2	1.533	8	0.620	-14.58			
		Staircase								
		Angle								
		Along x-axis		3.610						
		Bottom bars (10mm dia @ 200mm c/c)	2	3.610	24	0.620	107.73			
		top bars (10mm dia @ 200mm c/c)	4	1.203	8	0.620	23.94			
		Along y-axis		1.825						
		Bottom bars (10mm dia @ 200mm c/c)	2	1.825	12	0.620	27.53			
		top bars (10mm dia @ 200mm c/c)	4	0.608	4	0.620	6.12			
		Landing								
		Along x-axis		3.650						
		Bottom bars (10mm dia @ 200mm c/c)	1	3.650	24	0.620	55.07			
		top bars (10mm dia @ 200mm c/c)	2	1.217	8	0.620	12.24			
		Along y-axis		1.600						
		Bottom bars (10mm dia @ 200mm c/c)	1	1.600	11	0.620	10.58			
		top bars (10mm dia @ 200mm c/c)	2	0.533	4	0.620	2.35			
							8764.33	Kg	92.91	Rs. 8,14,293.49
BRICKWORK										
9.2	A6.1 + A6.2	Extra for brick work in superstructure above plinth level up to floor fifth level in prop 1:4 (1cem : 4coarse sand)								
		Grid 1-1	1	6.950	0.250	2.788	4.84			
		Grid 2-2	1	8.075	0.250	2.788	5.63			
		Grid 3-3	1	0.000	0.250	2.788	0.00			
		Grid 4-4	1	0.000	0.250	2.788	0.00			
		Grid 5-5	1	0.000	0.250	2.788	0.00			
		Grid 6-6	1	0.000	0.000	2.788	0.00			
		Grid 7-7	1	0.000	0.250	2.788	0.00			
		Grid 8-8	1	7.425	0.250	2.788	5.17			
		Grid A-A	1	16.000	0.250	2.788	11.15			
		Grid B-B	1	3.475	0.250	2.788	2.42			
		Grid C-C	1	0.000	0.250	2.788	0.00			
		Grid D-D	1	0.000	0.250	2.788	0.00			
		Grid E-E	1	3.475	0.250	2.788	2.42			
		Grid F-F	1	19.650	0.250	2.788	13.69			
		Total length of walls		65.050	m					
		Deduction								
		V1	-3	1.200	0.250	0.600	-0.54			
		V2	-2	0.800	0.250	0.500	-0.20			
		W3	-10	2.000	0.250	2.100	-10.50			
		Total Brickwork in Superstructure					34.09	Cum	9243.20	Rs. 3,15,116.57
9.3	A6.14.2+ A6.15	Extra halfbrick work in superstructure above plinth level up to floor five level.in prop 1:4(1cem : 4coarse sand).								
		Grid 1-1	1	0.000		2.788	0.00			
		Grid 2-2	1	0.000		2.788	0.00			
		Grid 3-3	1	8.075		2.788	22.51			
		Grid 4-4	1	8.075		2.788	22.51			
		Grid 5-5	1	8.075		2.788	22.51			
		Grid 6-6	1	8.075		2.788	22.51			
		Grid 7-7	1	8.075		2.788	22.51			
		Grid 8-8	1	0.000		2.788	0.00			
		Grid A-A	1	0.000		2.788	0.00			
		Grid B-B	1	0.000		2.788	0.00			
		Grid C-C	1	20.388		2.788	56.83			

Sl. No.	Schedule No.	Particulars/Items of work	Nos.	Length (m)	Breadth (m)	Height/ Depth (m)	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
		Grid D-D	1	20.388		2.788	56.83			
		Grid E-E	1	0.000		2.788	0.00			
		Grid F-F	1	0.000		2.788	0.00			
		Non Grid elements								
		Toilet	1	14.000		3.175	44.45			
		Extensions	1	30.900		3.175	98.11			
		Total length of walls		126.050	m					
		Deduction								
		D1	-5	0.750	0.250	2.100	-1.97			
		D2	-10	0.900	0.250	2.100	-4.73			
		D3	-1	1.200	0.250	2.100	-0.63			
		Total half brickwork					361.44	Sqm	906.63	Rs. 3,27,691.78
WOODWORK										
10.1	A8.1.2	Providing woodwork in frames of doors, windows, celestories and other frames and fixed in position with seasoned and chemically treated hollock wood, koroi, titachap, etc.								
		Doors								
		D1	5	0.750	0.130	0.080	0.04			
			10	2.100	0.130	0.080	0.22			
		D2	10	0.900	0.130	0.080	0.09			
			20	2.100	0.130	0.080	0.44			
		D3	1	1.200	0.130	0.080	0.01			
			2	2.100	0.130	0.080	0.04			
		Total woodwork in Door Frames					0.84	Cum	45201.32	Rs. 38,148.11
10.2	A8.6.2	Providing and fixing panelled or panelled and glazed shutters for doors, windows including ISI marked black enameled M.S. butt hinges with necessary screws excluding panelling which will be paid for separately. 35mm thick with seasoned and chemically treated hollock wood, koroi, Titachap, Bhola								
		Doors								
		D1	5	0.750		2.100	7.88			
		D2	10	0.900		2.100	18.90			
		D3	1	1.200		2.100	2.52			
		Total woodwork in Door Panels					26.78	Sqm	2977.27	Rs. 79,716.40
STEELWORK										
11.1	A9.13.4	Providing and fixing ISI marked steel glazed doors, windows and ventilators of standard rolled steel sections, joints mitred and welded with 15x3mm lugs, 10cm long, embedded in cement concrete blocks 15x10x10cm of 1:3:6 including providing and fixing. Top hung Ventilators								
		V1	3	1.200		0.600	2.16			
		V2	2	0.800		0.500	0.80			
		Total					2.96	Sqm	2935.60	Rs. 8,689.38
11.2	A9.13.3	Providing and fixing ISI marked steel glazed doors, windows and ventilators of standard rolled steel sections, joints mitred and welded with 15x3mm lugs, 10cm long, embedded in cement concrete blocks 15x10x10cm of 1:3:6 including providing and fixing. Side Hung Windows								
		W3	10	2.000		2.100	42.00			
		Glazed Steel Frame	1	4.225		3.175	13.41			
			1	3.275		3.175	10.40			
							65.81	Sqm	2283.25	Rs. 1,50,266.39
11.3	A8.39.2	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. all complete. Fixed to openings/wooden framses with rawl plugs screws.								
		W3	10	2.000		2.100	42.00			
							42.00	sqm		
						Kg @ 4.5kg/m <sup>2</sup>	189.00	Kg/m <sup>2</sup>	112.50	Rs. 21,262.50
11.4	A9.36.1	Providing and fixing hand rails by welding etc. to steel ladder railing, balcony railing & staircase railing including applying a priming coat of approved steel primer with M.S. tube (medium) 40mm nominal dia								
		Horizontals	2	2.915			5.83			
		Verticals	21	0.900			18.90			
							18.90	m		
						Kg @ 2.5kg/m	47.25	Kg	183.62	Rs. 8,676.05
FLOORING										
12.3	A10.7.1	Providing cement plaster skirting (upto 30cm height) with cement mortar 1:3 finished with a floating coat of neat cement. 18mm thick.								
		Walls (as per item 9.2)	1	65.050		0.300	19.52			
		Walls (as per item 9.3)	1	126.050		0.300	37.82			
		Staircase								
		Angle	2	3.610		0.300	2.17			
		Landing	1	3.650		0.300	1.10			
		Deduction								
		D1	5	0.750		0.300	1.13			
		D2	10	0.900		0.300	2.70			
		D3	1	1.200		0.300	0.36			
		Total Skirting Work					64.78	Sqm	422.05	Rs. 27,338.71
12.4	A 10.38.1	Kota stone slab flooring over 20mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete with base of 1 : 4 (1 cement : 4 coarse sand): 25 mm thick								
		Floor area	1	253.341			253.34			
							253.34	Sqm	1724.44	Rs. 4,36,871.25
12.5	A 10.39	Kota stone slabs 25 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 and jointed with grey cement slurry mixed with pigment to match the shade of the slabs. including rubbing and polishing complete.								
		Skirting (Qty as per item 12.3)	1	64.776			64.78			
		Staircase								
		Thread	20	1.825	0.250		9.13			
		Landing	1	1.600	3.650		5.84			
		Riser	22	3.650		0.150	12.05			
							27.01	Sqm	1911.67	Rs. 51,634.21
FINISHING										

Sl. No.	Schedule No.	Particulars/Items of work	Nos.	Length (m)	Breadth (m)	Height/ Depth (m)	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
13.1	A13.10	Providing 12mm thick cement plaster of mix 1:3 (1cement :3coarse sand) finished with a floating coat of neat cement)								
		walls (qty as per item 9.2+9.3)	2	191.100		2.900	1108.38			
		<i>Deduction</i>			nos					
		<i>D1</i>	-5	0.750	2.000	2.100	-15.75			
		<i>D2</i>	-10	0.900	2.000	2.100	-37.80			
		<i>D3</i>	-1	1.200	2.000	2.100	-5.04			
		<i>V1</i>	-3	1.200	2.000	0.600	-4.32			
		<i>V2</i>	-2	0.800	2.000	0.500	-1.60			
		<i>W3</i>	-10	2.000	2.000	2.100	-84.00			
		Total Plaster work					959.87	Sqm	247.19	Rs. 2,37,270.27
13.2	A13.17.1	Providing 6mm thick cement plaster of mix 1:3 (1cement :3coarse sand)								
		Ceiling	1	253.341			253.34	Sqm	165.37	Rs. 41,894.99
13.3	A13.47.1	Finishing walls with textured exterior paint "Sandtex Matt" of M/s Snowcem India Ltd., or equivalent of required shade New work (Two or more coats applied @ 3.28 ltr/10 Sqm) over and including base coat of water proofing cement paint "Snowcem Plus" or equivalent applied @ 220kg/10 sq								
		External wall only	1	75.000		3.300	247.50			
							247.50	Sqm	257.31	Rs. 63,684.23
13.4	A13.50.1	Finishing walls with delux multi- surface paint system "Uni-gloss of M/s Snowcem India ltd. or equivalent for interiors using priming as per manufacturers								
		Internal wall	1	116.100		3.175	368.62			
		Ceiling	1	253.341			253.34			
							621.96	Sqm	171.86	Rs. 1,06,889.78
13.5	A13.50.3	Painting steelworks with delux multi-surface paint "Uni-gloss" of M/s Snowcem India Ltd. Or equivalent to give an even shade. Two or more coat applied @ 0.90Ltr/10 sqm over an undercoat of primer UG or equivalent, applied @ 0.80ltr./10 sqm of approved brand.								
		Windows & Ventilators priming & painting	1				221.55	Sqm	144.65	Rs. 32,046.48
13.6	A13.50.2	Painting wood works with delux multi-surface paint "Uni-gloss" of M/s Snow cem India Ltd. Or equi valent to give an even shade. Two or more coats applied @ 0.90Ltr/10 sqm over an undercoat of primer C-W or equi valent, applied @ 0.75ltr./10 sqm.								
		Doors priming & painting	1				53.55	Sqm	145.04	Rs. 7,766.89
<b>FITTINGS</b>										
14.1	A8.44	Providing 40x5 mm flat iron hold fasts 40cm long including fixing to frame with 10mm diameter bolts, nuts and wooden plugs and embeddings in cement concrete block 30x10x15 cm 1:3:6 mix (1cem :3coarse sand :6graded stone aggregate 20mm nom size).								
		D1	30				30.00			
		D2	60				60.00			
		D3	6				6.00			
		Total Door Holdfasts					90.00	Each	133.17	Rs. 11,985.30
14.2	A8.90.1	Providing and fixing aluminium sliding door bolts ISI marked anodised transparent or dyed to required color or shade with nuts and screws etc. complete of 300mmx16mm size.								
		D1	10				10.00			
		D2	20				20.00			
		D3	2				2.00			
		Total Door Sliding Bolts					30.00	Each	282.50	Rs. 8,475.00
14.3	A8.91.1	Providing and fixing aluminium tower bolts ISI marked anodised transparent or dyed to required color or shade with nuts and screws etc. complete of 300mmx10mm size.								
		D1	5				5.00			
		D2	10				10.00			
		D3	1				1.00			
		Total Door Tower Bolts					15.00	Each	133.74	Rs. 2,006.10
14.4	A8.94.1	Providing and fixing aluminium handles ISI marked anodised transparent or dyed to required color or shade with nuts and screws etc. complete of 125mm size.								
		D1	10				10.00			
		D2	20				20.00			
		D3	2				2.00			
		Total Door Handles					30.00	Each	105.00	Rs. 3,150.00
14.5	A8.46.3	Providing and fixing ISI marked M.S. pressed butt hinges bright finished with necessary screws etc. complete 75x47x1.70 mm								
		D1	15				15.00			
		D2	30				30.00			
		D3	3				3.00			
		Total Door Hinges					48.00	Each	33.66	Rs. 1,615.68
<b>TOTAL COST</b>										<b>Rs. 37,34,701.42</b>

Sl. No.	Schedule No.	Particulars/Items of work	Nos.	Length (m)	Breadth (m)	Height/ Depth (m)	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
SECOND FLOOR										
REINFORCED CEMENT CONCRETE										
6.2	A5.2.2	R.C.C work in walls (any thickness) including attached pilasters, columns, pillars, abutments etc. up to floor five level excluding cost of centering, shuttering, finishing and reinforcement in prop 1:2:4 (1 cem: 2coarse sand: 4graded stone aggregate of 20mm)								
		CG1 (staircase roof)	4	0.375	0.375	3.300	1.86			
		CG1	24	0.375	0.375	1.000	3.38			
		CG2	4	0.350	0.350	1.000	0.49			
							5.72	Cum	9810.21	Rs. 56,126.66
6.3	A5.3	R.C.C. works in beams, suspended floors, roofs having slope up to 15°,landings, chajjas, lintels, staircases etc, up to floor five level excluding the cost of centering, shuttering, finishing and reinforcement etc. in prop 1:2:4 (1cem :2Coarse sand :4Graded stone aggregate 20 mm)								
		Roof beams								
		BG1								
		Grid 7-7	1	5.425	0.250	0.450	0.61			
		Grid 8-8	1	5.425	0.250	0.450	0.61			
		Grid D-D	1	4.475	0.250	0.450	0.50			
		Grid F-F	1	4.475	0.250	0.450	0.50			
		Total length of BG1		19.800	m					
		Total for RCC Beams					2.23	Cum	9087.07	Rs. 20,241.45
		Slabs								
		Slab 125 mm thick	1	5.800	4.850	0.125	3.52			
		Total for RCC Slabs					3.52	Cum	9087.07	Rs. 31,952.41
FORMWORK										
7.2	A5.6.1.3	Centering and shuttering including strutting, propping etc. and removal of formwork for : Suspended floors,roofs, landings, balconies, etc.								
		Slabs								
		Slab	1	5.800	4.850		28.13			
							28.13	Sqm	375.00	Rs. 10,548.75
7.3	A5.6.1.5	Centering and shuttering including strutting, propping etc. and removal of formwork for : Lintels, beams, plinth beams etc.								
		Roof beams								
		BG1								
		Grid 7-7	1	5.425	1.150		6.24			
		Grid 8-8	1	5.425	1.150		6.24			
		Grid D-D	1	4.475	1.150		5.15			
		Grid F-F	1	4.475	1.150		5.15			
		Total Shuttering for Roof Beams					22.77	Sqm	301.77	Rs. 6,871.30
7.4	A5.6.1.6	Centering and shuttering including strutting, propping etc. and removal of formwork for : Columns, Post and Struts etc.								
		Columns								
		CG1	24	1.500		1.000	36.00			
		CG2	4	1.400		1.000	5.60			
		CG1 (staircase roof)	4	1.500		3.300	19.80			
		Total Shuttering for Columns					61.40	Sqm	439.50	Rs. 26,985.30
STEEL REINFORCEMENT										
8.1	A5.18.4	Reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete. Hot rolled deformed bars (Tor).								
			Nos	Length	Bar Nos	Kg/m	Kg			
		Columns								
		CG1								
		Vertical Main bars (20mm dia)	24	1.000	4	2.467	236.83			
		Vertical Main bars (16mm dia)	24	1.000	4	1.579	151.58			
		Lateral Ties / Stirrups	24	1.380	8	0.395	109.02			
		(8mm dia @ 120c/c)	24	0.980	8	0.395	77.42			
		CG2								
		Vertical Main bars (16mm dia)	4	1.000	4	1.579	25.26			
		Vertical Main bars (12mm dia)	4	1.000	4	0.888	14.21			
		Lateral Ties / Stirrups	4	1.280	8	0.395	16.85			
		(8mm dia @ 120c/c)	4	0.910	8	0.395	11.98			
		CG1 (staircase cover)								
		Vertical Main bars (20mm dia)	4	3.300	4	2.467	130.26			
		Vertical Main bars (16mm dia)	4	3.300	4	1.579	83.37			
		Lateral Ties / Stirrups	4	1.380	17	0.395	36.34			
		(8mm dia @ 120c/c for 2000mm)	4	0.980	17	0.395	25.81			
		Confinement reinforcement	4	1.380	17	0.395	37.79			
		(8mm dia @ 75c/c for 650mm from both edges)	4	0.980	17	0.395	26.84			
		Roof beams								
		BG1								
		(total length )		19.800						
		Horizontal Top bars (16mm dia)	1	19.800	3	1.579	93.79			
		Horizontal Bottom bars (16mm dia)	1	19.800	3	1.579	93.79			
		Horizontal Extra bars at Support (16mm dia)	1	9.900	2	1.579	31.26			
		Lateral Ties / Stirrups (8mm dia)	1	1.360	198	0.395	106.37			
		Slabs 125 mm thick								
		Along x-axis		5.800						
		Bottom bars (10mm dia @ 150mm c/c)	1	5.800	39	0.395	88.59			
		top bars (10mm dia @ 150mm c/c)	2	1.933	13	0.395	19.69			
		Along y-axis		4.850						
		Bottom bars (10mm dia @ 150mm c/c)	1	4.850	32	0.620	97.23			
		top bars (10mm dia @ 150mm c/c)	2	1.617	8	0.620	16.20			
							1530.49	Kg	92.91	Rs. 1,42,197.61
BRICKWORK										
9.2	A6.1 + A6.2	Extra for brick work in superstructure above plinth level up to floor fifth level in prop 1:4 (1cem : 4coarse sand)								
		Grid 7-7	1	4.225	0.250	2.900	3.06			

Sl. No.	Schedule No.	Particulars/Items of work	Nos.	Length (m)	Breadth (m)	Height/ Depth (m)	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
		Grid 8-8	1	4.225	0.250	2.900	3.06			
		Grid D-D	1	3.275	0.250	2.900	2.37			
		Grid F-F	1	3.275	0.250	2.900	2.37			
		Total length of walls		15.000	m					
		Parapet wall	1	65.150	0.150	1.000	9.77			
		Deduction								
		D3	-1	1.200	0.250	2.100	-0.63			
		Total Brickwork in Superstructure					20.02	Cum	9243.20	Rs. 1,85,025.76
WOODWORK										
10.1	A8.1.2	Providing woodwork in frames of doors, windows, celestories and other frames and fixed in position with seasoned and chemically treated hollock wood, koroi, titachap, etc.								
		Doors								
		D3	1	1.200	0.130	0.080	0.01			
			2	2.100	0.130	0.080	0.04			
		Total woodwork in Door Frames					0.06	Cum	45201.32	Rs. 2,538.51
10.2	A8.6.2	Providing and fixing panelled or panelled and glazed shutters for doors, windows including ISI marked black enameled M.S. butt hinges with necessary screws excluding panelling which will be paid for separately. 35mm thick with seasoned and chemically treated hollock wood, koroi, Titachap, Bhola								
		Doors								
		D3	1	1.200		2.100	2.52			
		Total woodwork in Door Panels					2.52	Sqm	2977.27	Rs. 7,502.72
FINISHING										
13.1	A13.10	Providing 12mm thick cement plaster of mix 1:3 (1cement :3coarse sand) finished with a floating coat of neat cement)								
		walls (qty as per item 9.2+9.3)	2	15.000		2.788	83.63			
		Deduction			nos					
		D3	-1	1.200	2.000	2.100	-5.04			
		Total Plaster work					78.59	Sqm	247.19	Rs. 19,425.43
13.2	A13.17.1	Providing 6mm thick cement plaster of mix 1:3 (1cement :3coarse sand)								
		Ceiling	1	13.837			13.84	Sqm	165.37	Rs. 2,288.20
13.3	A13.47.1	Finishing walls with textured exterior paint "Sandtex Matt" of M/s Snowcem India Ltd., or equivalent of required shade New work (Two or more coats applied @ 3.28 ltr/10 Sqm) over and including base coat of water proofing cement paint "Snowcem Plus" or equivalent applied @ 220kg/10 sq								
		External wall only	1	15.000		3.300	49.50			
							49.50	Sqm	257.31	Rs. 12,736.85
13.4	A13.50.1	Finishing walls with delux multi- surface paint system "Uni-gloss of M/s Snowcem India ltd. or equivalent for interiors using priming as per manufacturers specifications. Two or more coats applied @ 1.25ltr/10sqm over and including one coat of special primer applied @0.75 ltr/10sqm.								
		Internal wall	1	15.000		3.175	47.63			
		Ceiling	1	13.837			13.84			
							61.46	Sqm	171.86	Rs. 10,562.84
13.6	A13.50.2	Painting wood works with delux multi-surface paint "Uni-gloss" of M/s Snow cem India Ltd. Or equi valent to give an even shade. Two or more coats applied @ 0.90Ltr/10 sqm over an undercoat of primer C-W or equi valent, applied @ 0.75ltr./10 sqm.								
		Doors priming & painting	1				5.04	Sqm	145.04	Rs. 731.00
FITTINGS										
14.1	A8.44	Providing 40x5 mm flat iron hold fasts 40cm long including fixing to frame with 10mm diameter bolts, nuts and wooden plugs and embeddings in cement concrete block 30x10x15 cm 1:3:6 mix (1cem :3coarse sand :6graded stone aggregate 20mm nom size).								
		D3	6				6.00			
		Total Door Holdfasts					6.00	Each	133.17	Rs. 799.02
14.2	A8.90.1	Providing and fixing aluminium sliding door bolts ISI marked anodised transparent or dyed to required color or shade with nuts and screws etc. complete of 300mmx16mm size.								
		D3	2				2.00			
		Total Door Sliding Bolts					2.00	Each	282.50	Rs. 565.00
14.3	A8.91.1	Providing and fixing aluminium tower bolts ISI marked anodised transparent or dyed to required color or shade with nuts and screws etc. complete of 300mmx10mm size.								
		D3	1				1.00			
		Total Door Tower Bolts					1.00	Each	133.74	Rs. 133.74
14.4	A8.94.1	Providing and fixing aluminium handles ISI marked anodised transparent or dyed to required color or shade with nuts and screws etc. complete of 125mm size.								
		D3	2				2.00			
		Total Door Handles					2.00	Each	105.00	Rs. 210.00
14.5	A8.46.3	Providing and fixing ISI marked M.S. pressed butt hinges bright finished with necessary screws etc. complete 75x47x1.70 mm								
		D3	3				3.00			
		Total Door Hinges					3.00	Each	33.66	Rs. 100.98
TOTAL COST										Rs. 5,37,543.52

SEPARATE TOILET BLOCKS FOR BOYS & GIRLS (4 NOS)				
DETAILED ESTIMATE				
i) All particulars and percentages are as per applicable Nagaland PWD Schedule of Rates 2013				
ii) All amounts and plinth area rates as per the Nagaland PWD Schedule of Rates for buildings 2013 for Mon District				
Sl. No.		Particulars/Items of work	Amount (in Rupees)	Remarks
A	Cost of Civil Works as per NPWD SOR 2013			
	1	Cost of Ground Floor (30 sqm)	Rs. 8,77,092.17	Annexure - DII
		Total Cost	Rs. 8,77,092.17	
B	Cost of Services [% to be applied to the cost of the building Structure (A)]*			
	1	Add 10% for site levelling and approach road	Rs. 87,709.22	
	2	Add 7.5% for water supply & sanitary installations	Rs. 65,781.91	
	4	Add 1% for rain water harvesting	Rs. 8,770.92	
		Total cost of Services	Rs. 1,62,262.05	
C	Total cost of structure and services			
	1	add A+B	Rs. 10,39,354.22	
D	Agency Charges and Contingencies [%to be applied to the total cost of structure and services (C)]			
	1	add 4% for Consultancy charges	Rs. 41,574.17	
	2	add 3% for Contingencies	Rs. 31,180.63	
	3	add 2% for WorkCharged Establishment	Rs. 20,787.08	
		Total cost of Agency charges and Contingencies	Rs. 93,541.88	
E	Total Cost of structure, agency and services			
	1	add C+D	Rs. 11,32,896.10	
		Say	Rs. 11,33,000.00	
		Cost for 4 Nos	Rs. 45,32,000.00	

# SEPARATE TOILET BLOCKS FOR BOYS & GIRLS (4 NOS)

## MEASUREMENT SHEET

i) The estimate is prepared basing on Nagaland PWD Schedule of Rates for Buildings 2013.

ii) Schedule. No. refers to code no. of the item in Nagaland PWD Schedule of Rates for buildings 2013.

### Measurement Sheet

Sl. No.	Schedule No.	Particulars/Items of work	Nos.	Length (m)	Breadth (m)	Height/ Depth (m)	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
<b>GROUND FLOOR</b>										
<b>EARTHWORK</b>										
1.1	A2.6.1	Earth work in excavation over areas (exceeding 30 cm in depth, 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50 m and lift upto 1.5 m, disposed earth to be levelled and neatly dressed. All kinds of soil.								
		Footings								
		FG1 (1.500x1.500)	6	1.500	1.500	1.500	20.25			
		Plinth								
		Grid 1-1	1	4.200	0.300	0.250	0.32			
		Grid 2-2	1	0.000	0.300	0.250	0.00			
		Grid 3-3	1	0.000	0.300	0.250	0.00			
		Grid 4-4	1	4.200	0.300	0.250	0.32			
		Grid A-A	1	2.100	0.300	0.250	0.16			
		Grid B-B	1	0.000	0.300	0.250	0.00			
		Grid C-C	1	0.000	0.300	0.250	0.00			
		Grid D-D	1	0.000	0.300	0.250	0.00			
		Grid E-E	1	2.100	0.300	0.250	0.16			
		Grid F-F	1	0.000	0.300	0.250	0.00			
		Grid G-G	1	0.000	0.300	0.250	0.00			
		Grid H-H	1	0.000	0.300	0.250	0.00			
		Grid I-I	1	2.100	0.300	0.250	0.16			
							21.35	Cum	309.38	Rs. 6,606.04
1.2	A2.25	Filling available of excavated earth (excluding rock) in trenches,plinths, sides of fdns in layers not exceeding 20cm in depth consolidating each layer by ramming and watering, lead up to 50m and lift 1.5m.								
		Footings								
		FG1	6	1.500	1.500	1.500	20.25			
		<i>deduction for RCC in FG1</i>	-1		7.469		-7.47			
		Ground Floor	1	7.200	3.600	0.200	5.18			
							17.97	Cum	110.14	Rs. 1,978.68
<b>STONE SOILING</b>										
2.1	A 10.1	Providing 100mm thick soling with approved quality of stone including carriage,watering, ramming consolidation etc. 1:6 (1 cement : 6 Coarse Sand)								
		Footings								
		FG1	6	1.500	1.500		13.50			
		Plinth Beams								
		all plinth beams	1	25.200	0.250		6.30			
		floor	1	7.200	3.600		25.92			
							45.72	Sqm	339.77	Rs. 15,534.28
<b>DAMP PROOF COURSE</b>										
4.1	A4.9	Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 cement:2 coarse: 4 graded stone aggregate 12.5 mm nominal size)								
		Under Walls								
		all walls	1	25.200	0.250		6.30			
		deduction								
		D3	-2	1.200	2.100		-5.04			
		Total DPC work					1.26	Sqm	291.36	Rs. 367.11
<b>PLAIN CEMENT CONCRETE</b>										
5.1	A4.1.5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering in prop 1:3:6 (1cem :3coarse sand :6 graded stone aggregate).								
		Footings								
		FG1	6	1.500	1.500	0.150	2.03			
		Plinth Beams								
		all plinth beams	1	25.200	0.250	0.150	0.95			
							2.97	Cum	7841.60	Rs. 23,289.55
<b>REINFORCED CEMENT CONCRETE</b>										
6.1	A5.1.3	Providing and laying in position specified grade of R.C.C excluding the cost of centering, shuttering finishing and reinforcement all works up to plinth level.in prop 1:2:4								
		Footings								
		FG1	6	1.500	1.500	0.200	2.70			
		Trapezoidal	6	1.178		0.675	4.77			
		Plinth beams								
		PBG1								
		Grid 1-1	1	7.200	0.250	0.300	0.54			
		Grid 2-2	1	0.000	0.250	0.300	0.00			
		Grid 3-3	1	0.000	0.250	0.300	0.00			
		Grid 4-4	1	7.200	0.250	0.300	0.54			
		Grid A-A	1	3.600	0.250	0.300	0.27			
		Grid B-B	1	0.000	0.250	0.300	0.00			
		Grid C-C	1	0.000	0.250	0.300	0.00			
		Grid D-D	1	0.000	0.250	0.300	0.00			
		Grid E-E	1	3.600	0.250	0.300	0.27			
		Grid F-F	1	0.000	0.250	0.300	0.00			
		Grid G-G	1	0.000	0.250	0.300	0.00			
		Grid H-H	1	0.000	0.250	0.300	0.00			
		Grid I-I	1	3.600	0.250	0.300	0.27			
		Total length of PBG1		25.200	m					
		base of columns upto plinth								
		CG1 (250mmx300mm)	6	0.250	0.300	0.525	0.24			



Sl. No.	Schedule No.	Particulars/Items of work	Nos.	Length (m)	Breadth (m)	Height/ Depth (m)	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
							9.60	Cum	8941.71	Rs. 85,796.83
6.2	A5.2.3	R.C.C work in walls (any thickness) including attached pilasters, columns, pillars, abutments etc. up to floor five level excluding cost of centering, shuttering, finishing and reinforcement in prop 1:2:4 (1 cem: 2coarse sand: 4graded stone aggregate of 20mm)								
		CG1	6	0.250	0.300	2.600	1.17			
							1.17	Cum	9076.85	Rs. 10,619.91
6.3	A5.3	R.C.C. works in beams, suspended floors, roofs having slope up to 15º,landings, chajjas, lintels, staircases etc, up to floor five level excluding the cost of centering, shuttering, finishing and reinforcement etc. in prop 1:2:4 (1cem :2Coarse sand :4Graded stone aggregate 20 mm)								
		Roof beams								
		BG1								
		Grid 1-1	1	7.200	0.250	0.300	0.54			
		Grid 2-2	1	0.000	0.250	0.300	0.00			
		Grid 3-3	1	0.000	0.250	0.300	0.00			
		Grid 4-4	1	7.200	0.250	0.300	0.54			
		Grid A-A	1	3.600	0.250	0.300	0.27			
		Grid B-B	1	0.000	0.250	0.300	0.00			
		Grid C-C	1	0.000	0.250	0.300	0.00			
		Grid D-D	1	0.000	0.250	0.300	0.00			
		Grid E-E	1	3.600	0.250	0.300	0.27			
		Grid F-F	1	0.000	0.250	0.300	0.00			
		Grid G-G	1	0.000	0.250	0.300	0.00			
		Grid H-H	1	0.000	0.250	0.300	0.00			
		Grid I-I	1	3.600	0.250	0.300	0.27			
		Total length of BG1		25.200	m					
		Total for RCC Beams					1.89	Cum	9087.07	Rs. 17,174.56
		Slabs								
		Slab	1	8.400	4.800	0.125	5.04			
		Total for RCC Slabs					5.04	Cum	9087.07	Rs. 45,798.83
FORMWORK										
7.1	A5.6.1.1	Centering and shuttering including strutting, propping etc. and removal of formwork for : Foundations, bases of columns, etc								
		Footings								
		FG1	6	6.000		0.300	10.80			
		Base of Columns								
		CG1	6	1.100		0.525	3.47			
							10.80	Sqm	265.00	Rs. 2,862.00
7.2	A5.6.1.3	Centering and shuttering including strutting, propping etc. and removal of formwork for : Suspended floors,roofs, landings, balconies, etc.								
		Slabs								
		Slab	1	8.400	4.800		40.32			
							40.32	Sqm	375.00	Rs. 15,120.00
7.3	A5.6.1.5	Centering and shuttering including strutting, propping etc. and removal of formwork for : Lintels, beams, plinth beams etc.								
		Plinth beams								
		PBG1								
		Grid 1-1	1	7.200	0.850		6.12			
		Grid 2-2	1	0.000	0.850		0.00			
		Grid 3-3	1	0.000	0.850		0.00			
		Grid 4-4	1	7.200	0.850		6.12			
		Grid A-A	1	3.600	0.850		3.06			
		Grid B-B	1	0.000	0.850		0.00			
		Grid C-C	1	0.000	0.850		0.00			
		Grid D-D	1	0.000	0.850		0.00			
		Grid E-E	1	3.600	0.850		3.06			
		Grid F-F	1	0.000	0.850		0.00			
		Grid G-G	1	0.000	0.850		0.00			
		Grid H-H	1	0.000	0.850		0.00			
		Grid I-I	1	3.600	0.850		3.06			
		Total Shuttering for Plinth beams					21.42	Sqm	301.77	Rs. 6,463.91
		Roof beams								
		BG1								
		Grid 1-1	1	7.200	0.850		6.12			
		Grid 2-2	1	0.000	0.850		0.00			
		Grid 3-3	1	0.000	0.850		0.00			
		Grid 4-4	1	7.200	0.850		6.12			
		Grid A-A	1	3.600	0.850		3.06			
		Grid B-B	1	0.000	0.850		0.00			
		Grid C-C	1	0.000	0.850		0.00			
		Grid D-D	1	0.000	0.850		0.00			
		Grid E-E	1	3.600	0.850		3.06			
		Grid F-F	1	0.000	0.850		0.00			
		Grid G-G	1	0.000	0.850		0.00			
		Grid H-H	1	0.000	0.850		0.00			
		Grid I-I	1	3.600	0.850		3.06			
		Total Shuttering for Roof Beams					21.42	Sqm	301.77	Rs. 6,463.91
7.4	A5.6.1.6	Centering and shuttering including strutting, propping etc. and removal of formwork for : Columns, Post and Struts etc.								
		Columns								
		CG1	6	1.100		2.600	17.16			
		Total Shuttering for Columns					17.16	Sqm	439.50	Rs. 7,541.82
STEEL REINFORCEMENT										
8.1	A5.18.4	Reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete. Hot rolled deformed bars (Tor).								
			Nos	Length	Bar Nos	Kg/m	Kg			
		Footings								

Sl. No.	Schedule No.	Particulars/Items of work	Nos.	Length (m)	Breadth (m)	Height/ Depth (m)	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
		FG1 (1.500x1.500)								
		main (12mm dia)	6	1.500	17	0.888	135.86			
		Distribution (12mm dia)	6	1.500	16	0.888	127.87			
		Base of Columns								
		CG1								
		Vertical Main bars (16mm dia)	4	1.500	4	1.579	37.90			
		development length (16mm dia)	4	1.000	4	1.579	25.26			
		Lateral Ties / Stirrups (8mm dia @ 120c/c for 900mm)	4	0.960	8	0.395	11.38			
		Confinement reinforcement (8mm dia @ 75c/c for 300mm from top edge)	4	0.250	3	0.395	0.99			
			4	0.960	6	0.395	8.70			
			4	0.250	6	0.395	2.26			
		Columns								
		CG1								
		Vertical Main bars (16mm dia)	6	3.800	4	1.579	144.00			
		Lap length (16mm dia)	3	1.000	4	1.579	18.95			
		Lateral Ties / Stirrups (8mm dia @ 120c/c for 2280 mm)	6	1.120	19	0.395	50.43			
			6	0.250	19	0.395	11.26			
		Confinement reinforcement (8mm dia @ 75c/c for 760mm from both edges)	6	1.120	20	0.395	53.80			
			6	0.290	20	0.395	13.93			
		Plinth beams								
		PBG1								
		(total lengt)		25.200						
		Horizontal Top bars (16mm dia)	1	25.200	2	1.579	79.58			
		Horizontal Bottom bars (16mm dia)	1	25.200	2	1.579	79.58			
		Lateral Ties / Stirrups (8mm dia)	1	0.920	252	0.395	91.58			
		Roof beams								
		BG1								
		(total length)		25.200						
		Horizontal Top bars (16mm dia)	1	25.200	2	1.579	79.58			
		Horizontal Bottom bars (16mm dia)	1	25.200	2	1.579	79.58			
		Horizontal Extra bars at Support (16mm dia)	1	12.600	2	0.888	22.38			
		Lateral Ties / Stirrups (8mm dia)	1	1.020	252	0.395	101.53			
		Slabs								
		Along x-axis		8.400						
		Bottom bars (10mm dia @ 200mm c/c)	1	8.400	42	0.620	218.74			
		Lapping (10mm dia)	1	0.350	42	0.620	9.11			
		top bars (10mm dia @ 150mm c/c)	2	2.800	14	0.620	48.61			
		Lapping (10mm dia)	2	0.117	14	0.620	2.03			
		Along y-axis		4.800						
		Bottom bars (10mm dia @ 150mm c/c)	1	4.800	24	0.620	71.42			
		Lapping (10mm dia)	1	0.200	24	0.620	2.98			
		top bars (10mm dia @ 150mm c/c)	2	1.600	8	0.620	15.87			
		Lapping (10mm dia)	2	0.067	8	0.620	0.66			
							1545.82	Kg	92.91	Rs. 1,43,621.93
BRICKWORK										
9.2	A6.1 + A6.2	Extra for brick work in superstructure above plinth level up to floor fifth level in prop 1:4 (1cem : 4coarse sand)								
		Grid 1-1	1	6.700	0.150	3.500	3.52			
		Grid 2-2	1	0.000	0.150	3.500	0.00			
		Grid 3-3	1	0.000	0.150	3.500	0.00			
		Grid 4-4	1	6.700	0.150	3.500	3.52			
		Grid A-A	1	3.300	0.150	3.500	1.73			
		Grid B-B	1	0.000	0.150	3.500	0.00			
		Grid C-C	1	0.000	0.150	3.500	0.00			
		Grid D-D	1	0.000	0.150	3.500	0.00			
		Grid E-E	1	3.300	0.150	3.500	1.73			
		Grid F-F	1	0.000	0.150	3.500	0.00			
		Grid G-G	1	0.000	0.150	3.500	0.00			
		Grid H-H	1	0.000	0.150	3.500	0.00			
		Grid I-I	1	3.300	0.150	3.500	1.73			
		Total length of walls		23.300	m					
		Deduction								
		D3	-2	1.200	0.150	2.100	-0.76			
		V1	-16	0.650	0.150	0.500	-0.78			
		Total Brickwork in Superstructure					10.70	Cum	9243.20	Rs. 98,869.89
9.3	A6.14.2+ A6.15	Extra halfbrick work in superstructure above plinth level up to floor five level.in prop 1:4(1cem : 4coarse sand).								
		Grid 1-1	1	0.000		2.600	0.00			
		Grid 2-2	1	3.600		2.600	9.36			
		Grid 3-3	1	3.600		2.600	9.36			
		Grid 4-4	1	0.000		2.600	0.00			
		Grid A-A	1	0.000		2.600	0.00			
		Grid A-A	1	0.500		2.600	1.30			
		Grid C-C	1	1.700		2.600	4.42			
		Grid D-D	1	1.700		2.600	4.42			
		Grid E-E	1	0.000		2.600	0.00			
		Grid F-F	1	2.400		2.600	6.24			
		Grid G-G	1	2.400		2.600	6.24			
		Grid H-H	1	1.200		2.600	3.12			
		Grid I-I	1	0.000		2.600	0.00			
		Total length of walls		17.100	m					
		Deduction								
		D1	-8	0.650		2.100	-10.92			
		Total half brickwork					33.54	Sqm	906.63	Rs. 30,408.37
WOODWORK										

Sl. No.	Schedule No.	Particulars/Items of work	Nos.	Length (m)	Breadth (m)	Height/ Depth (m)	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
10.1	A8.1.2	Providing woodwork in frames of doors, windows, celestories and other frames and fixed in position with seasoned and chemically treated hollock wood, koroi, titachap, etc.								
		Doors								
		<i>D1</i>	8	0.650	0.130	0.075	0.05			
			16	2.100	0.130	0.075	0.33			
		<i>D2</i>	2	1.200	0.130	0.075	0.02			
			4	2.100	0.130	0.075	0.08			
		Total woodwork in Door Frames					0.48	Cum	45201.32	Rs. 21,859.36
10.2	A8.6.2	Providing and fixing panelled or panelled and glazed shutters for doors, windows including ISI marked black enameled M.S. butt hinges with necessary screws excluding panelling which will be paid for separately. 35mm thick with seasoned and chemically treated hollock wood, koroi, Titachap, Bhola								
		Doors								
		<i>D1</i>	8	0.650		2.100	10.92			
		<i>D2</i>	2	1.200		2.100	5.04			
		Total woodwork in Door Panels					15.96	Sqm	2977.27	Rs. 47,517.23
<b>STEELWORK</b>										
11.1	A9.13.4	Providing and fixing ISI marked steel glazed doors, windows and ventilators of standard rolled steel sections, joints mitred and welded with 15x3mm lugs, 10cm long, embedded in cement concrete blocks 15x10x10cm of 1:3:6 including providing and fixing.								
		<i>V1</i>	16	0.650		0.500	5.20	Sqm	2935.60	Rs. 15,265.12
<b>FLOORING</b>										
12.0	A2.27	Supplying and filling in plinth with 100mm thick fine sand or stone dust under the floors including watering, raming, consolidating and dressing complete								
		Floor	1	7.200	3.600		25.92			
							25.92	sqm	314.74	Rs. 8,158.06
12.1	A4.1.5	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering 1:3:6 (1cement: 3coarse sand: 6graded stone agregate)								
		Floor	1	7.200	3.600	0.100	2.59			
							2.59	Cum	7841.60	Rs. 20,325.43
12.3	A10.43	Providing and fixing 1st quality ceramic glazed tiles conforming to IS 13753 of minimum thickness 5mm of approved make like NITCO, ORIENT, SOMANY, etc. in all colours and shades except burgundy, bottle green, etc to be approved by engineer at site.								
		<i>Floors area</i>	1	25.920			25.92			
		<i>Walls</i>	1	46.200		2.100	97.02			
		Total Tile work					122.94	Sqm	914.59	Rs. 1,12,439.69
<b>FINISHING</b>										
13.1	A13.10	Providing 12mm thick cement plaster of mix 1:3 walls (qty as per item 9.2 & 9,3)	2	40.400		3.500	282.80			
		<i>Deduction</i>			nos					
		<i>D1</i>	-2	0.650	2.000	2.100	-5.46			
		<i>D3</i>	-8	1.200	2.000	2.100	-40.32			
		<i>V1</i>	-16	0.650	2.000	0.500	-10.40			
		Total Plaster work					226.62	Sqm	247.19	Rs. 56,018.20
13.2	A13.44.1	Applying one coat of cement primer of approved brand and manufacture on wall surface.								
		Total Primer work					226.62	Sqm	70.98	Rs. 16,085.49
13.3	A13.46.1	Finishing walls with waterproofing cement paint "Snowcem- Plus" of M/s Snowcem India Ltd. Or equivalent of required shade on new works (Two or more coats applied @ 3.84 kg/10sqm).								
		External wall painting	1	19.200		3.800	72.96			
		External wall painting					72.96	Sqm	74.71	Rs. 5,450.84
13.4	A13.50.1	Finishing walls with delux multi- surface paint system "Uni-gloss of M/s Snowcem India ltd. or equivalent for interiors using priming as per manufacturers specifications. Two or more coats applied @ 1.25ltr/10sqm over and including one coat of special primer applied @0.75 ltr/10sqm.								
		Internal wall painting	1	153.660			153.66			
		Ceiling (as per item 12.1)	1	25.920			25.92			
		Internal wall painting					179.58	Sqm	171.86	Rs. 30,862.62
13.5	A13.50.3	Painting steelworks with delux multi-surface paint "Uni-gloss" of M/s Snowcem India Ltd. Or equivalent to give an even shade. Two or more coat applied @ 0.90Ltr/10 sqm over an undercoat of primer UG or equivalent, applied @ 0.80ltr./10 sqm of approved brand.								
		Windows & Ventilators painting	1				10.40	Sqm	144.65	Rs. 1,504.36
13.6	A13.52.1	Applying priming coat with ready mixed pink or grey primer of approved brand and manufacture on woodworks (hard and soft wood).								
		Door Priming	1				31.92	Sqm	43.26	Rs. 1,380.86
13.7	A13.50.2	Painting wood works with delux multi-surface paint "Uni-gloss" of M/s Snow cem India Ltd. Or equi valent to give an even shade. Two or more coats applied @ 0.90Ltr/10 sqm over an undercoat of primer C-W or equi valent, applied @ 0.75ltr./10 sqm.								
		Door Painting	1				31.92	Sqm	145.04	Rs. 4,629.68
<b>FITTINGS</b>										
14.1	A8.44	Providing 40x5 mm flat iron hold fasts 40cm long including fixing to frame with 10mm diameter bolts, nuts and wooden plugs and embeddings in cement concrete block 30x10x15 cm 1:3:6 mix (1cem :3coarse sand :6graded stone aggregate 20mm nom size).								
		D1	48				48.00			
		D2	12				12.00			
		Total Door Holdfasts					60.00	Each	133.17	Rs. 7,990.20
14.2	A8.90.1	Providing and fixing aluminium sliding door bolts ISI marked anodised transparent or dyed to required color or shade with nuts and screws etc. complete of 300mmx16mm size.								
		D1	16				16.00			
		D2	4				4.00			
		Total Door Sliding Bolts					20.00	Each	282.50	Rs. 5,650.00
14.3	A8.91.1	Providing and fixing aluminium tower bolts ISI marked anodised transparent or dyed to required color or shade with nuts and screws etc. complete of 300mmx10mm size.								
		D1	8				8.00			
		D2	2				2.00			
		Total Door Tower Bolts					10.00	Each	133.74	Rs. 1,337.40
14.4	A8.94.1	Providing and fixing aluminium handles ISI marked anodised transparent or dyed to required color or shade with nuts and screws etc. complete of 125mm size.								
		D1	16				16.00			
		D2	4				4.00			
		Total Door Handles					20.00	Each	105.00	Rs. 2,100.00
<b>TOTAL COST</b>										<b>Rs. 8,77,092.17</b>

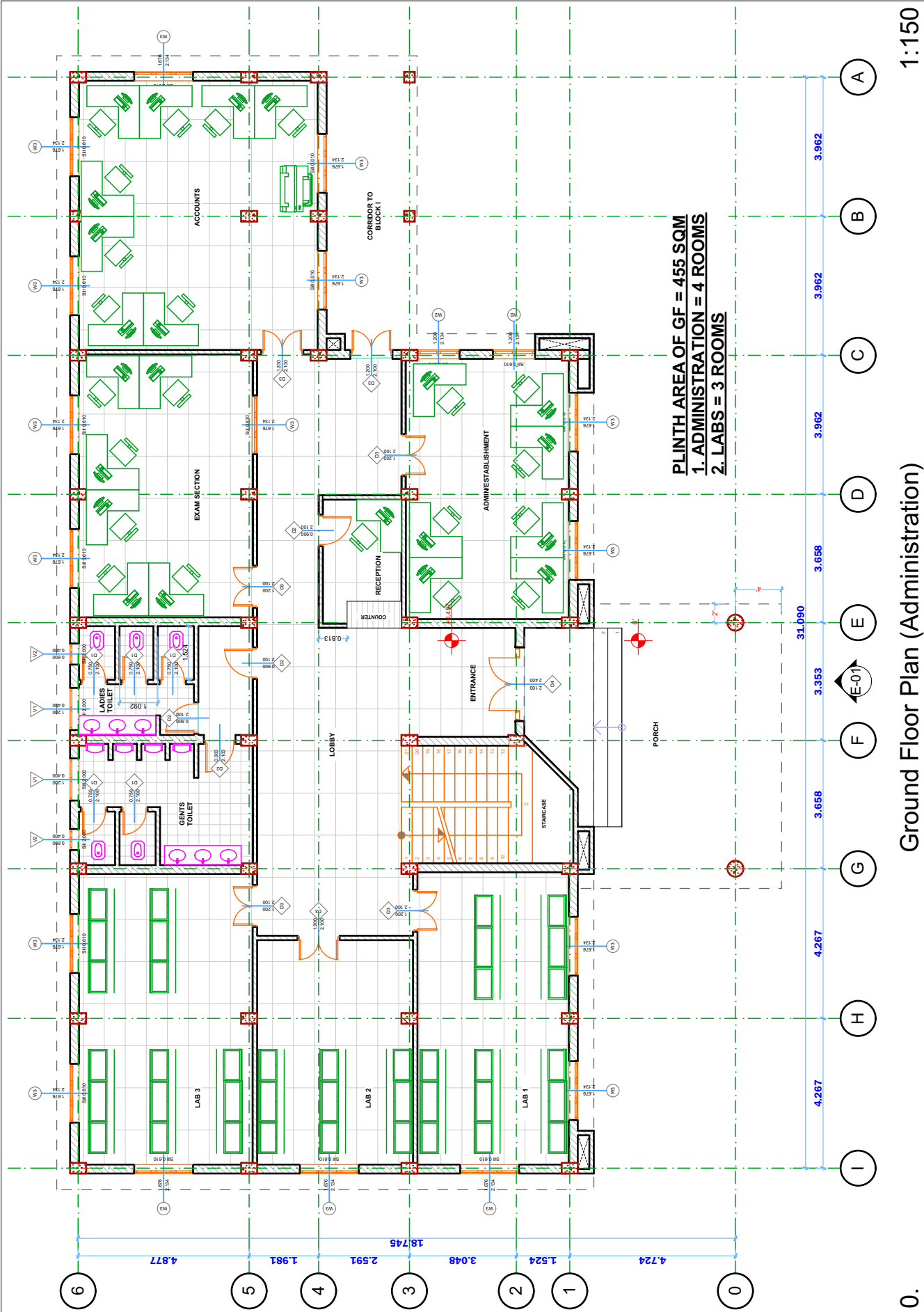
# RASHTRIYA UCCHATAR SHIKSHA ABHIYAN (RUSA)



## CONSTRUCTION OF WAKCHING MODEL COLLEGE, MON NAGALAND

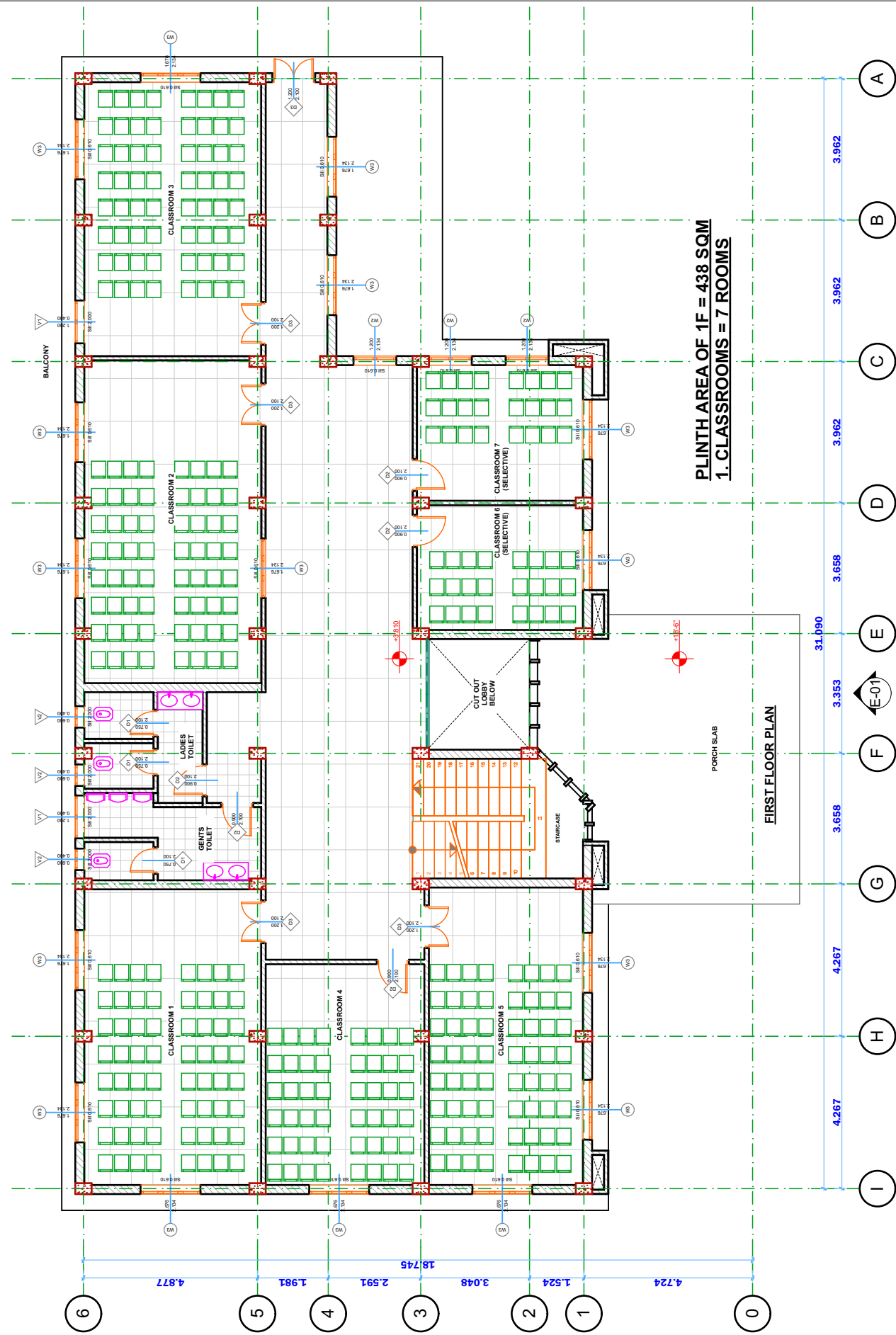


Department of Higher Education  
Government of Nagaland



Ground Floor Plan (Administration)

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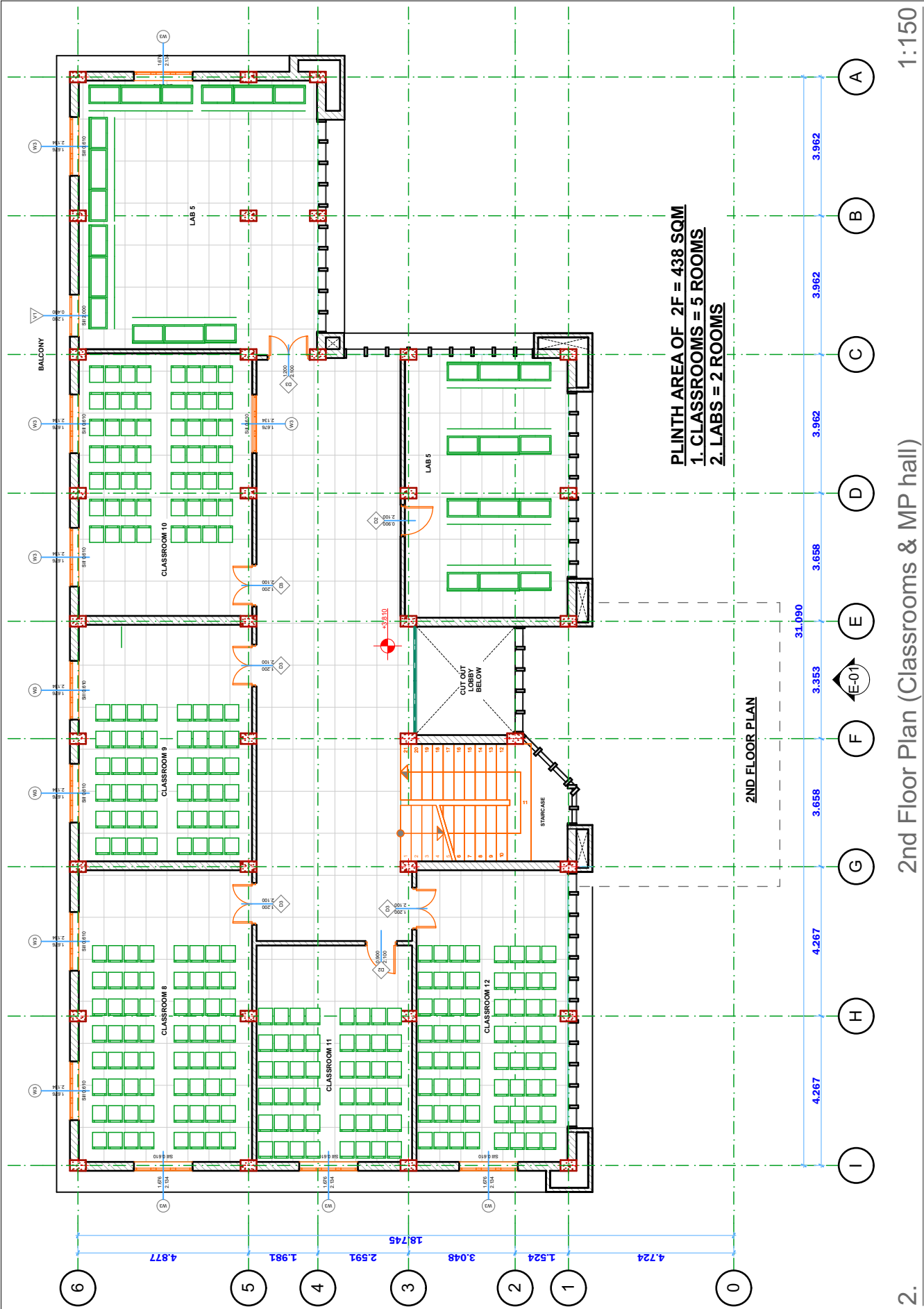


1st Floor Plan (Classrooms & Labs)

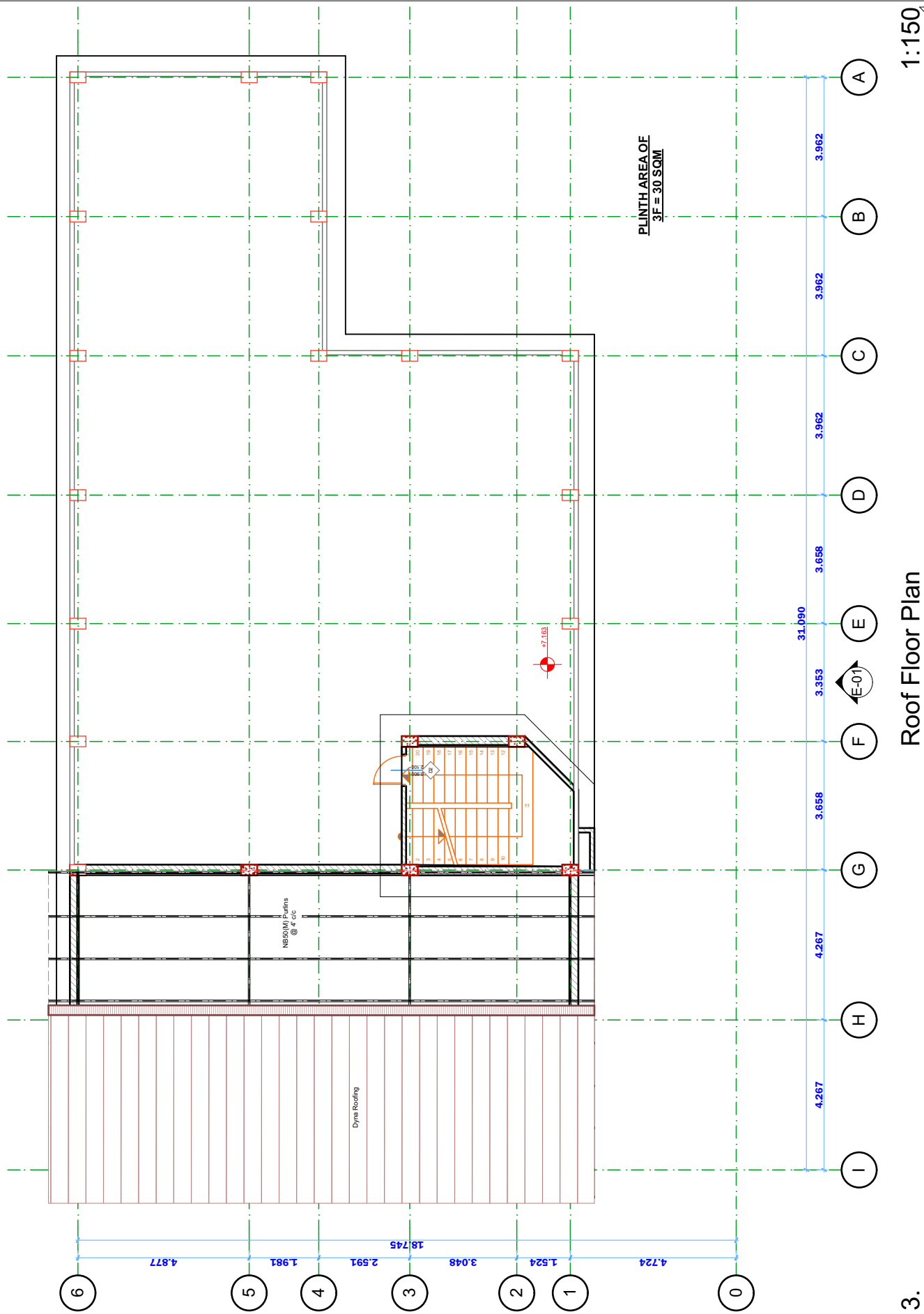
1.

General Notes	
1. THESE GENERAL NOTES ARE NOT INTENDED TO REPLACE SPECIFICATIONS. SEE SPECIFICATIONS FOR REQUIREMENTS IN ADDITION TO GENERAL NOTES.	
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3. THE STRUCTURE HAS BEEN DESIGNED TO RESIST DESIGN LOADS ONLY AS A COMPLETED STRUCTURE. APPLICATIONS OF CONSTRUCTION LOADS TO THE PARTIALLY COMPLETED STRUCTURE SHALL BE CONSIDERED BY THE CONTRACTOR AND SO INCLUDED IN THE DESIGN OF SHORING, BRACING, FORMWORK, AND ANY OTHER SUPPORTING ELEMENTS PROVIDED FOR CONSTRUCTION OF THE STRUCTURE. DURING ERECTION AND UNTIL ALL PERMANENT CONNECTIONS ARE MADE, THE CONTRACTOR MUST PROVIDE TEMPORARY BRACING FOR THE STRUCTURE IN ALL DIRECTIONS.	
4. THE GENERAL CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND GRADE CONDITIONS, (BOTH NEW AND EXISTING) REPORTING ANY DISCREPANCIES TO THE SITE ENGINEER PRIOR TO ORDERING MATERIALS OR PROCEEDING WITH ANY PHASE OF THE WORK.	
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Department/Client <b>Department of Higher Education Government of Nagaland</b>	
Executing Agency <b>Executive Engineer NPWD(H) Education Division Kohima</b>	
Project Name and Address <b>Wakching Model College, Mon - Block I (Administration, Classrooms, Labs &amp; Multipurpose Hall)</b>	
Drawing Name <b>Ground Floor Plan (Administration), 1st Floor Plan (Classrooms &amp; Labs)</b>	
Drawing Scale <b>1:150</b>	Layout ID <b>A.01.1</b>
Project ID <b>HE-RUSA</b>	
Status Revision <b>1.0 1.3</b>	





2. 2nd Floor Plan (Classrooms & MP hall) 1:150

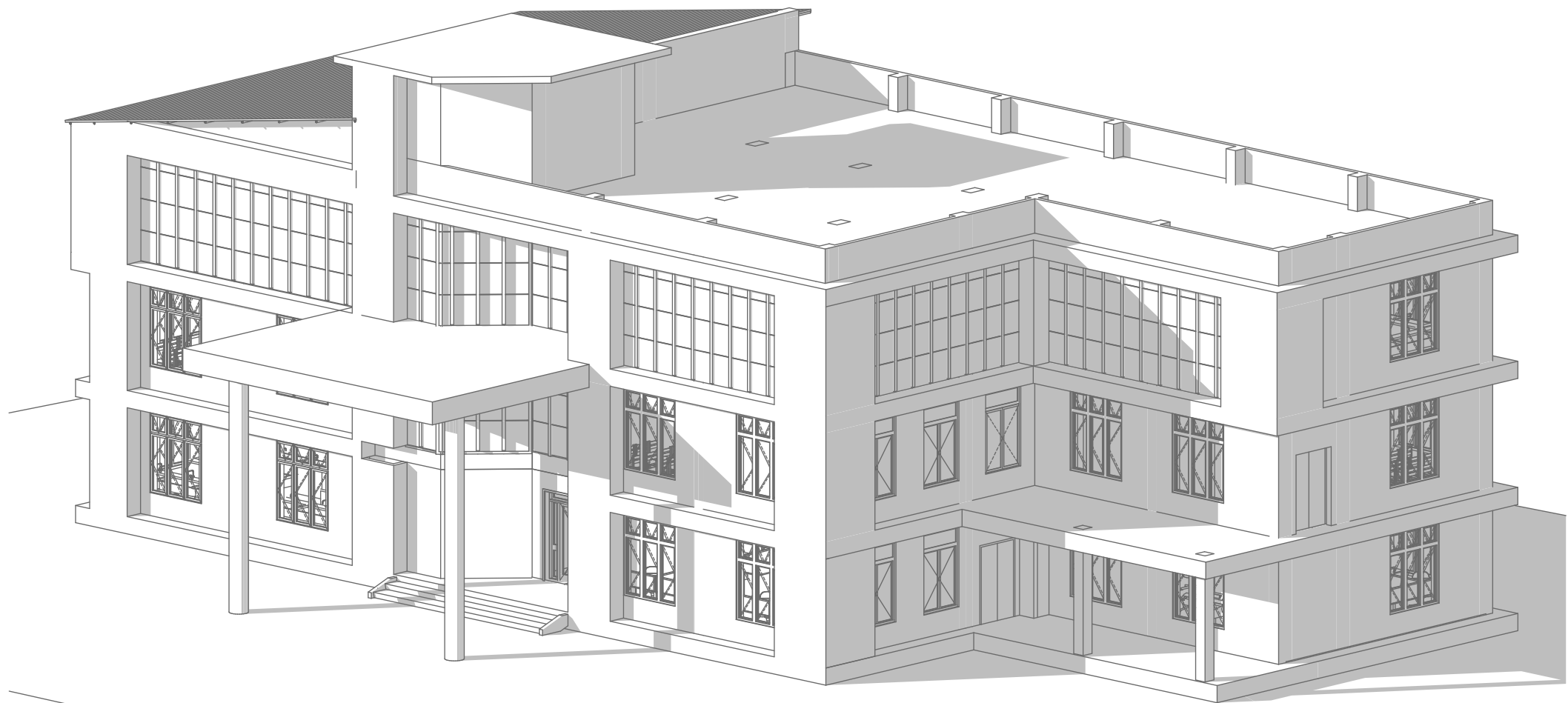


3. Roof Floor Plan 1:150

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Department/Client <b>Department of Higher Education Government of Nagaland</b>	
Executing Agency <b>Executive Engineer NPWD(H) Education Division Kohima</b>	
Project Name and Address <b>Wakching Model College, Mon - Block I (Administration, Classrooms, Labs &amp; Multipurpose Hall)</b>	
Drawing Name <b>2nd Floor Plan (Classrooms &amp; MP hall), Roof Floor Plan</b>	
Drawing Scale <b>1:150</b>	Layout ID <b>A.01.2</b>
Project ID <b>HE-RUSA</b>	
Status Revision <b>1.0 1.3</b>	

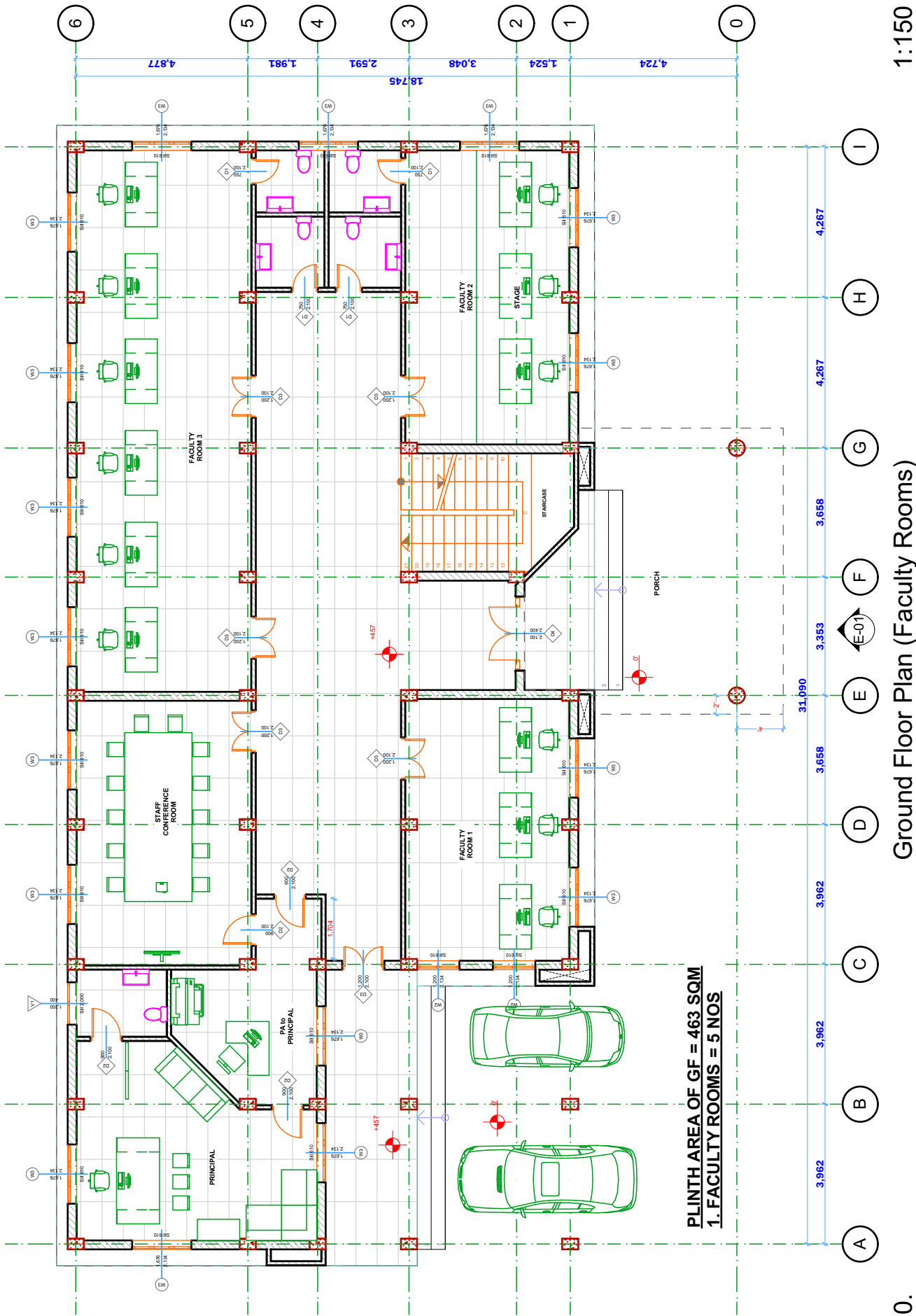


E-01 Front Elevation 1:140

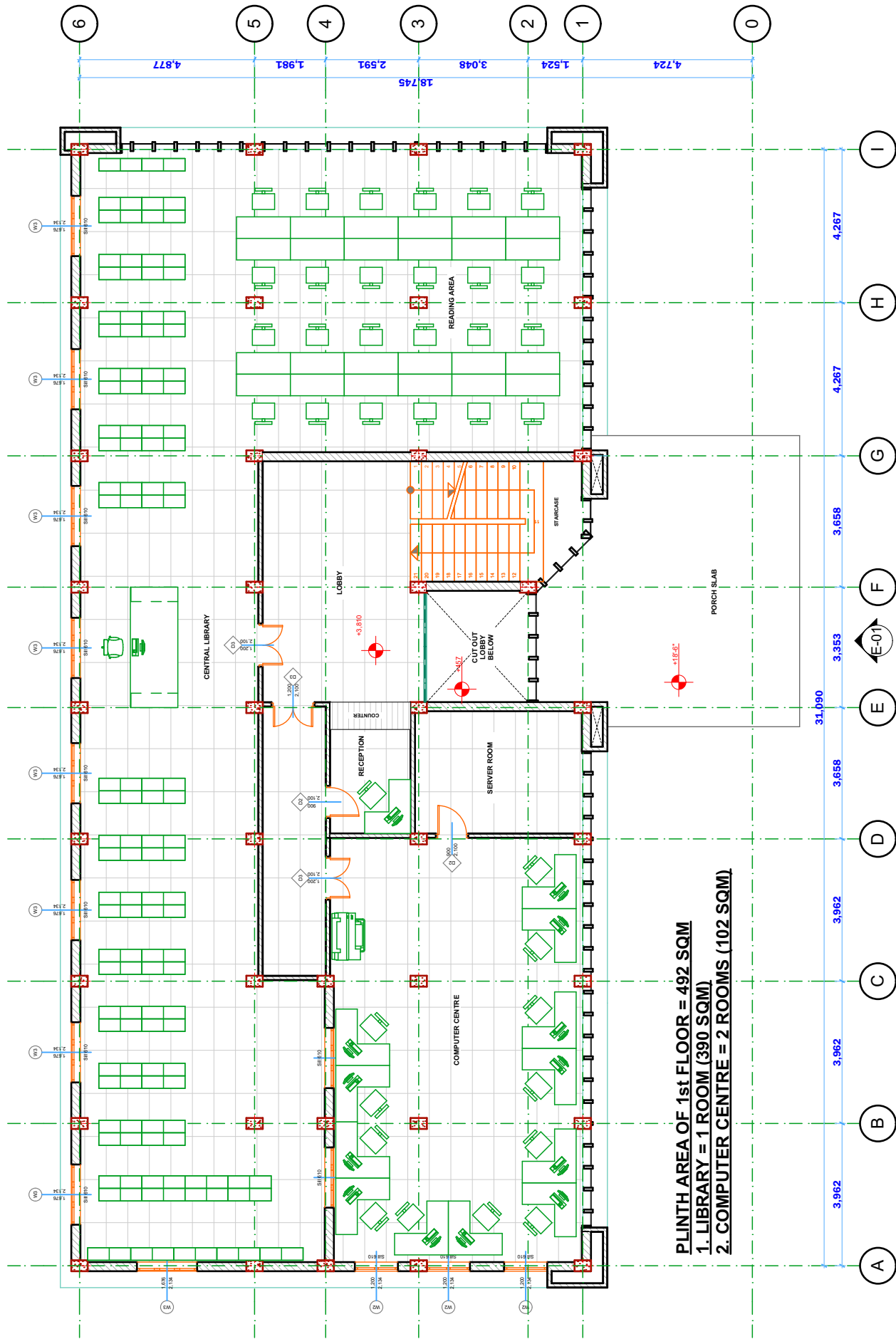


3D-02 3D View (Parallel Projection) 1:140

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Department/Client <b>Department of Higher Education Government of Nagaland</b>	
Executing Agency <b>Executive Engineer NPWD(H) Education Division Kohima</b>	
Project Name and Address <b>Wakching Model College, Mon - Block I (Administration, Classrooms, Labs &amp; Multipurpose Hall)</b>	
Drawing Name <b>Front Elevation, 3D View (Parallel Projection)</b>	
Drawing Scale <b>1:140</b>	Layout ID <b>A.01.3</b>
Project ID <b>HE-RUSA</b>	
Status Revision <b>1.0 1.3</b>	



Ground Floor Plan (Faculty Rooms)



First Floor Plan (Library & Computer Centre)

General Notes

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Department/Client

Department of  
Higher Education  
Government of Nagaland

Executing Agency

Executive Engineer NPWD(H)  
Education Division  
Kohima

Project Name and Address

Construction of Wakching  
Model College, Mon -Block II  
(Faculty Rooms, Library &  
Computer Centre)

Drawing Name

Ground Floor Plan (Faculty  
Rooms), First Floor Plan  
(Library & Computer Centre)

Drawing Scale

1:150

Layout ID

B.01.1

Project ID

HE-RUSA

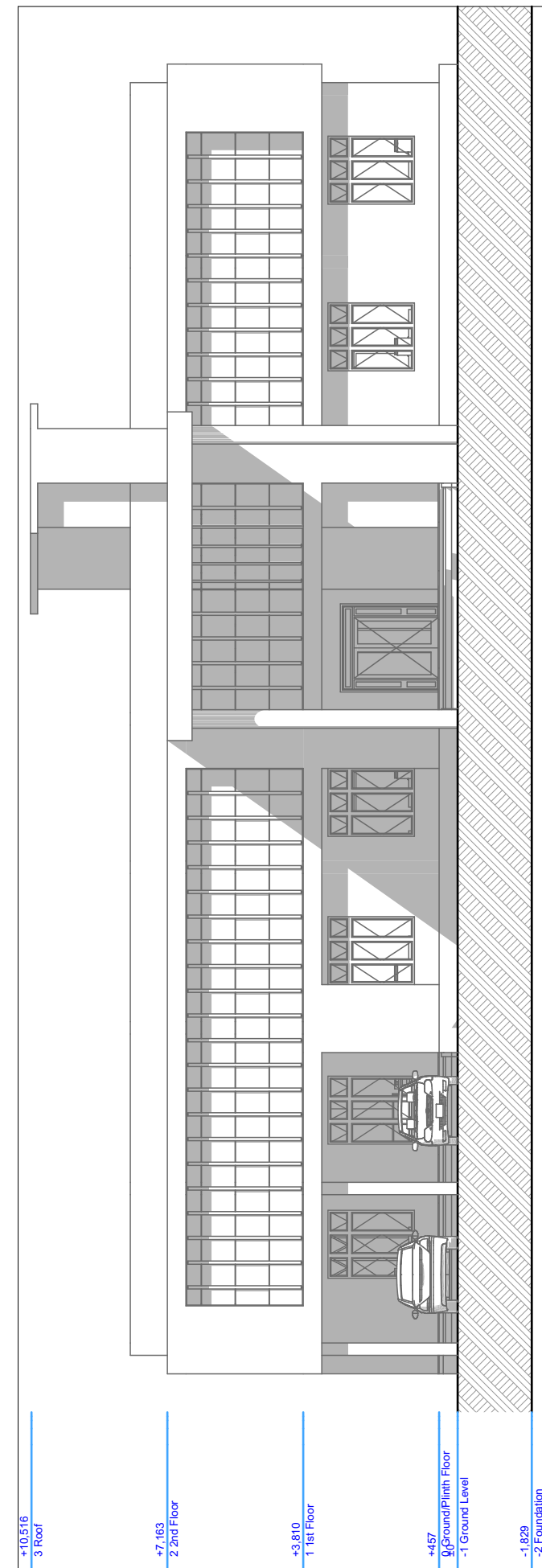
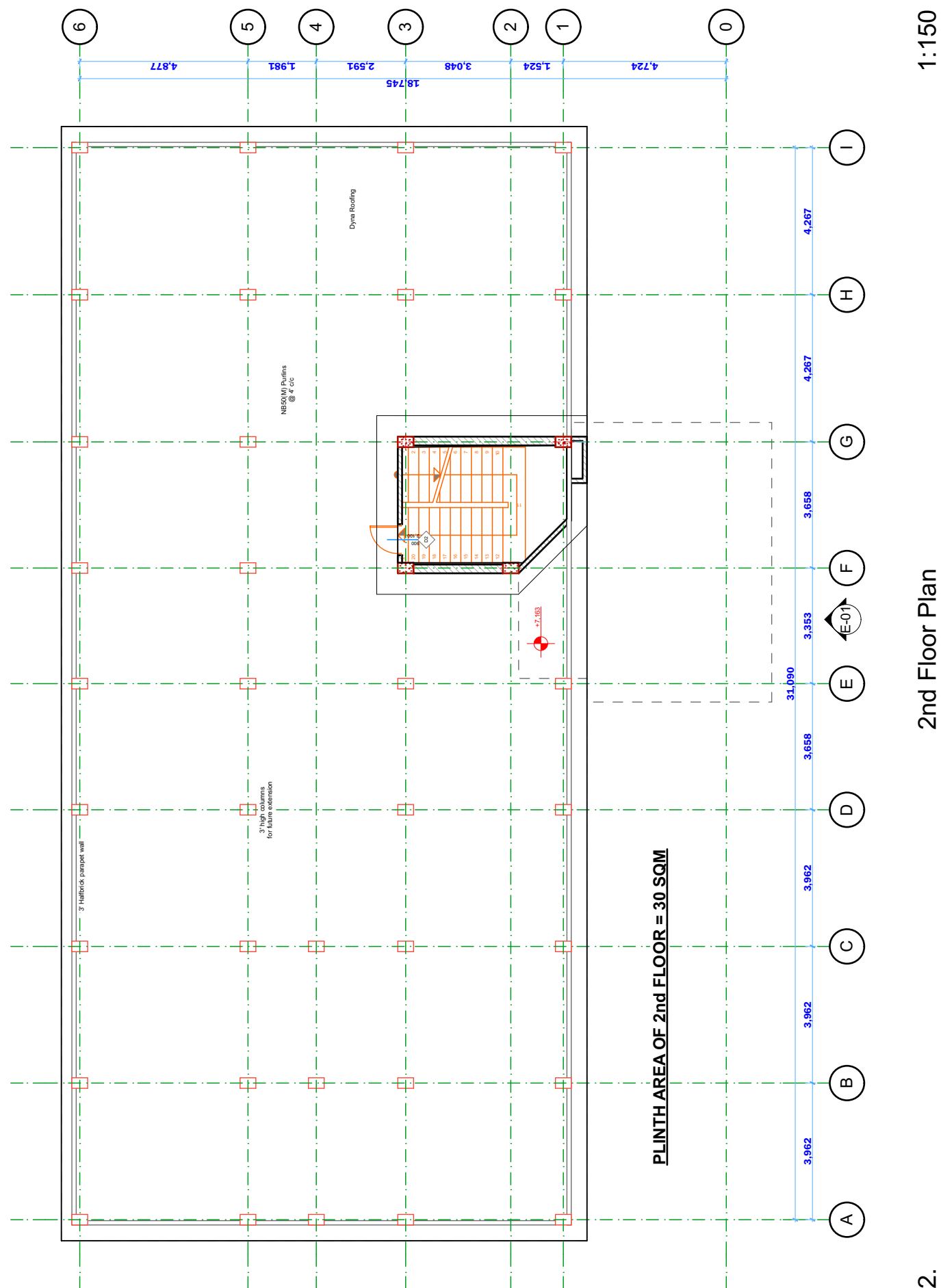
Status

Revision

1.0

1.2





E-01

## Front Elevation

1:150

## General Notes

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Department/Client

**Department of  
Higher Education  
Government of Nagaland**

<p>Executing Agency</p>
-------------------------

**Executive Engineer NPWD(H)**  
**Education Division**  
**Kohima**

Project Name and Address

**Construction of Wakching Model College, Mon -Block II (Faculty Rooms, Library & Computer Centre)**

Drawing Name

### 2nd Floor Plan, Front Elevation

Drawing Scale

1:150

Project ID

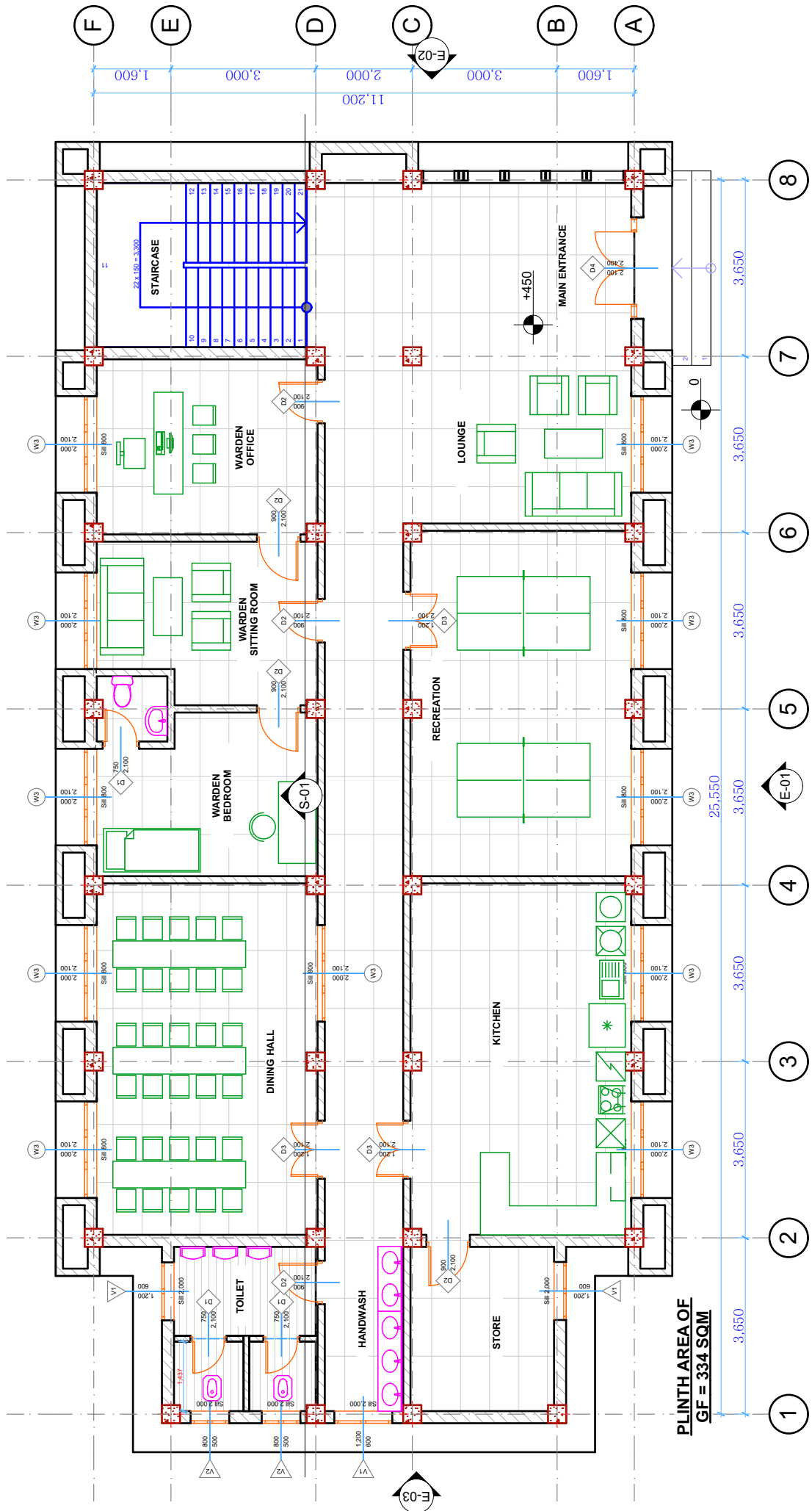
HE-RUSA

Status	Revision
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**1.0 1.2**

Layout ID
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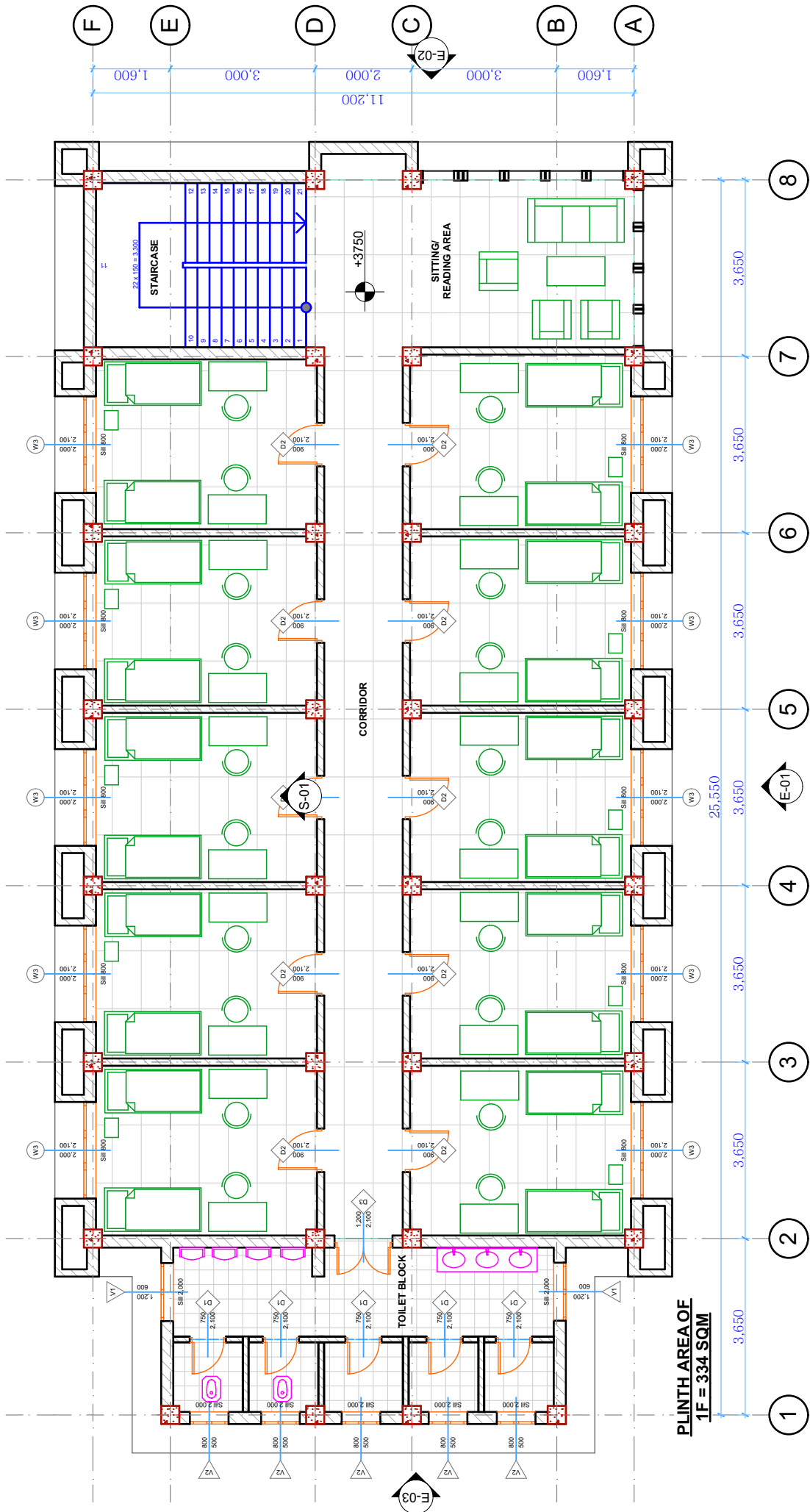
**B.01.2**



1:115

Plinth/Ground Floor Plan

0.

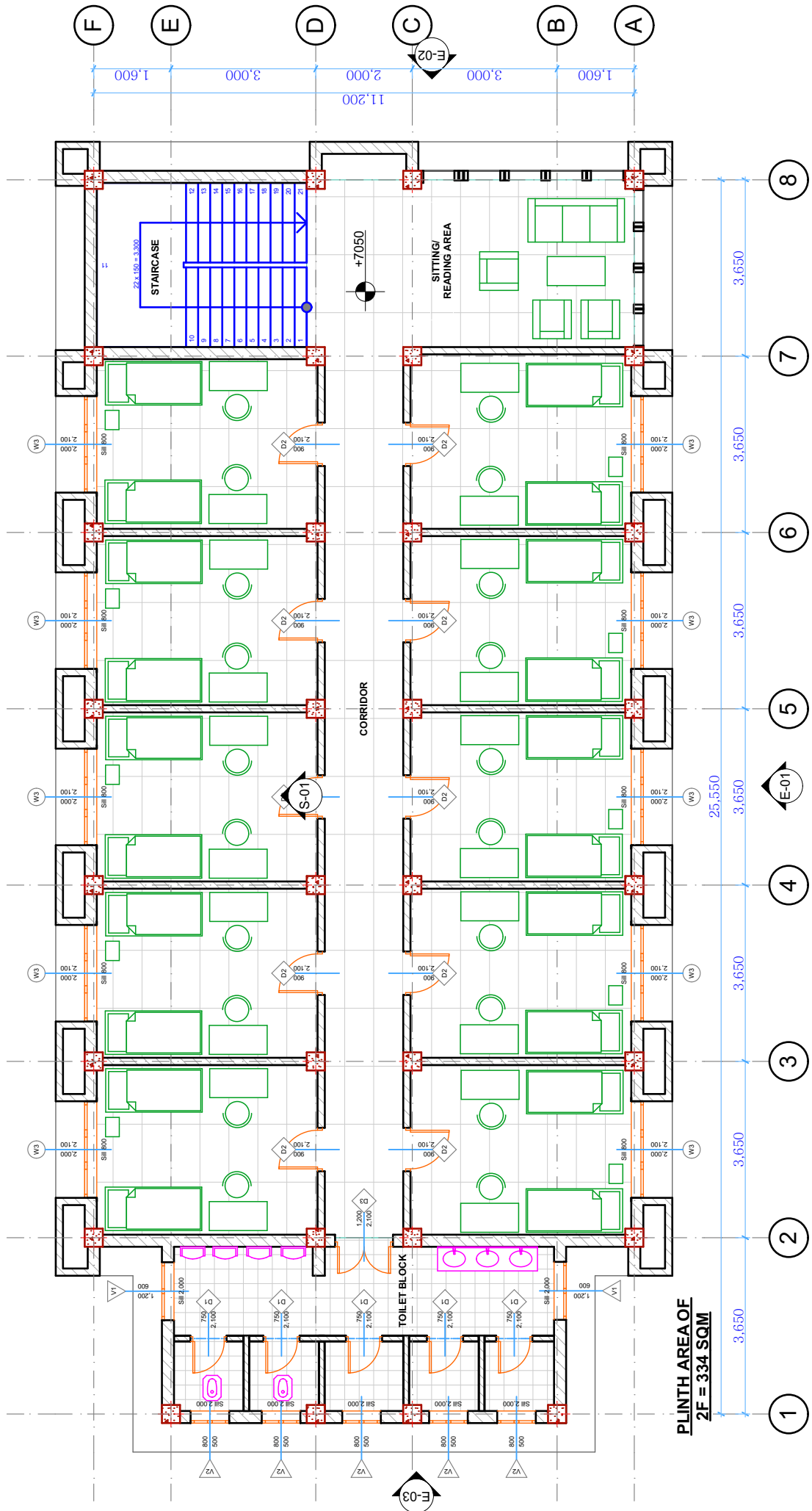


1:115

1st Floor Plan

1.

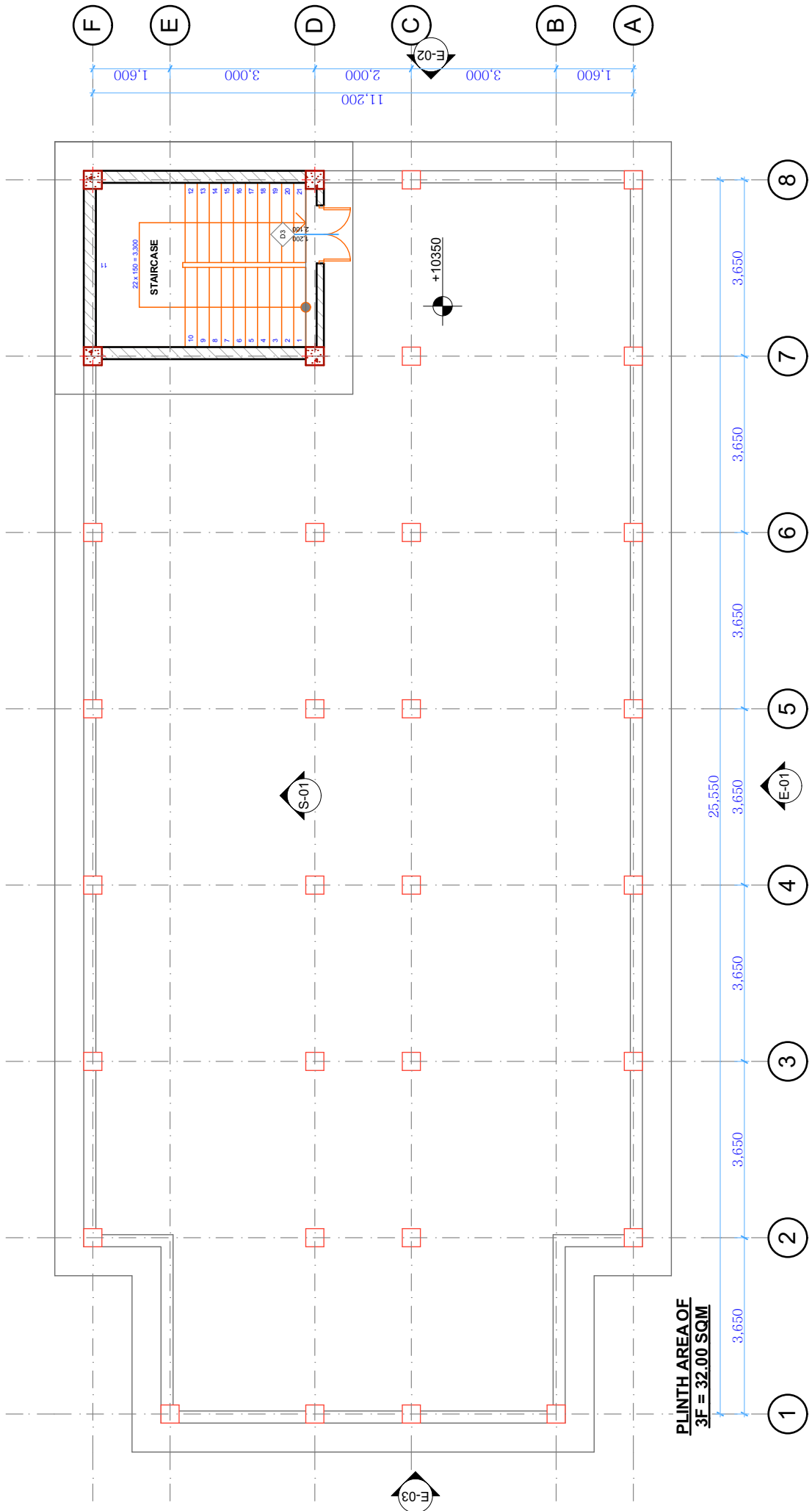
General Notes	
1. THESE GENERAL NOTES ARE NOT INTENDED TO REPLACE SPECIFICATIONS. SEE SPECIFICATIONS FOR REQUIREMENTS IN ADDITION TO GENERAL NOTES.	
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Department/Client <b>Department of Higher Education Government of Nagaland</b>	
Executing Agency <b>Executive Engineer NPWD(H) Education Division Kohima</b>	
Project Name and Address <b>Wakching Model College, Mon (50 Bedded Boys Hostel &amp; 50 bedded Girls Hostel)</b>	
Drawing Name <b>Plinth/Ground Floor Plan, 1st Floor Plan</b>	
Drawing Scale <b>1:115</b>	Layout ID <b>C.01.1</b>
Project ID <b>HE-RUSA</b>	
Status Revision <b>1.0 1.1</b>	



1:115

2nd Floor Plan

2.



1:115

3rd Floor Plan

3.

General Notes

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Department/Client

Department of  
Higher Education  
Government of Nagaland

Executing Agency

Executive Engineer NPWD(H)  
Education Division  
Kohima

Project Name and Address

Wakching Model College, Mon  
(50 Bedded Boys Hostel & 50  
bedded Girls Hostel)

Drawing Name

2nd Floor Plan, 3rd Floor  
Plan

Drawing Scale

1:115

Layout ID

C.01.2

Project ID

HE-RUSA

Status

Revision

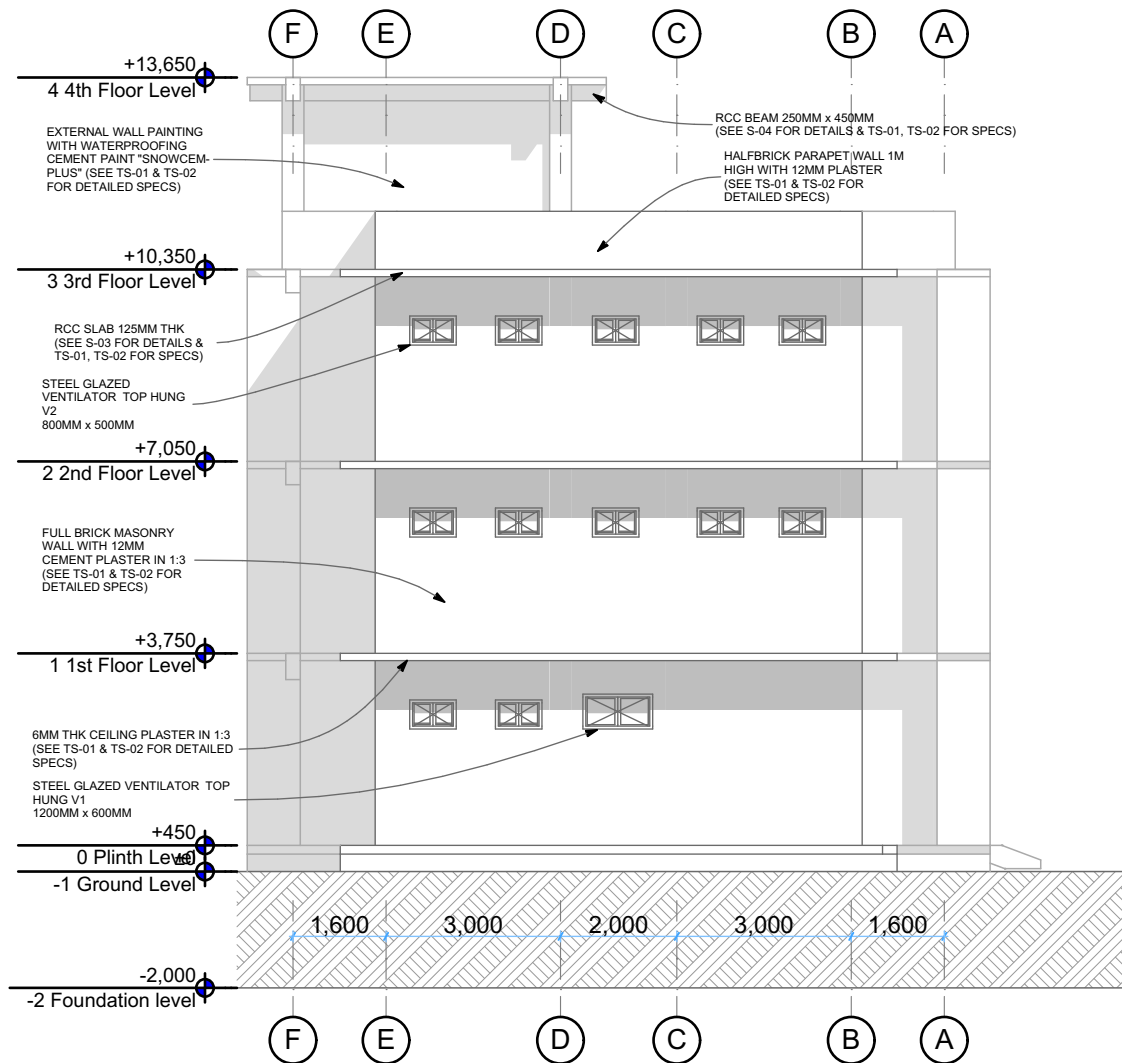
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1.1

1:130

Side Elevation B

E-03

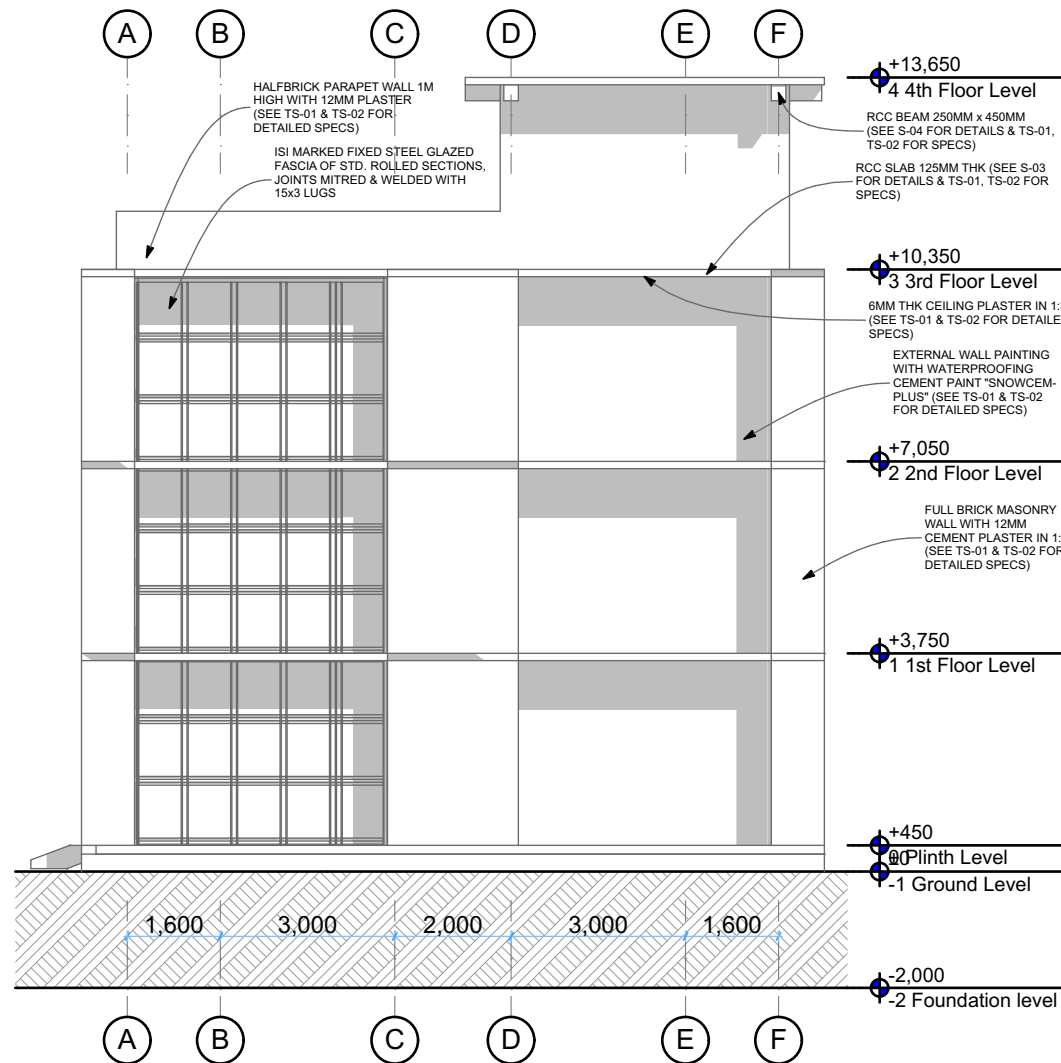


E-01

1:130

Side Elevation A

E-02



## General Notes

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Department/Client  
**Department of  
Higher Education  
Government of Nagaland**

Executing Agency  
**Executive Engineer NPWD(H)  
Education Division  
Kohima**

Project Name and Address  
**Wakching Model College, Mon  
(50 Bedded Boys Hostel & 50  
bedded Girls Hostel)**

Drawing Name  
**Front Elevation, Side  
Elevation A, Side Elevation B**

Drawing Scale  
**1:140, 1:130**

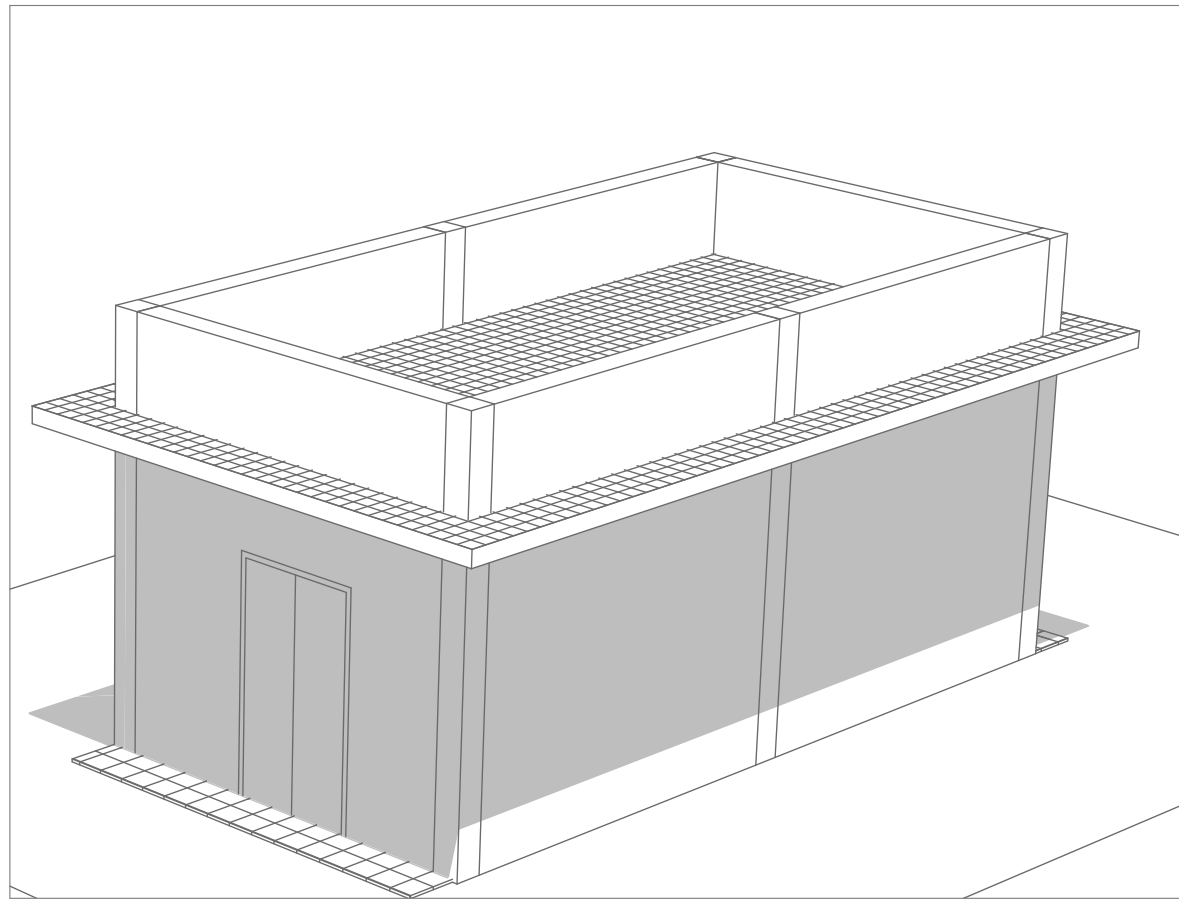
Project ID  
**HE-RUSA**

Status Revision  
**1.0 1.1**

Layout ID

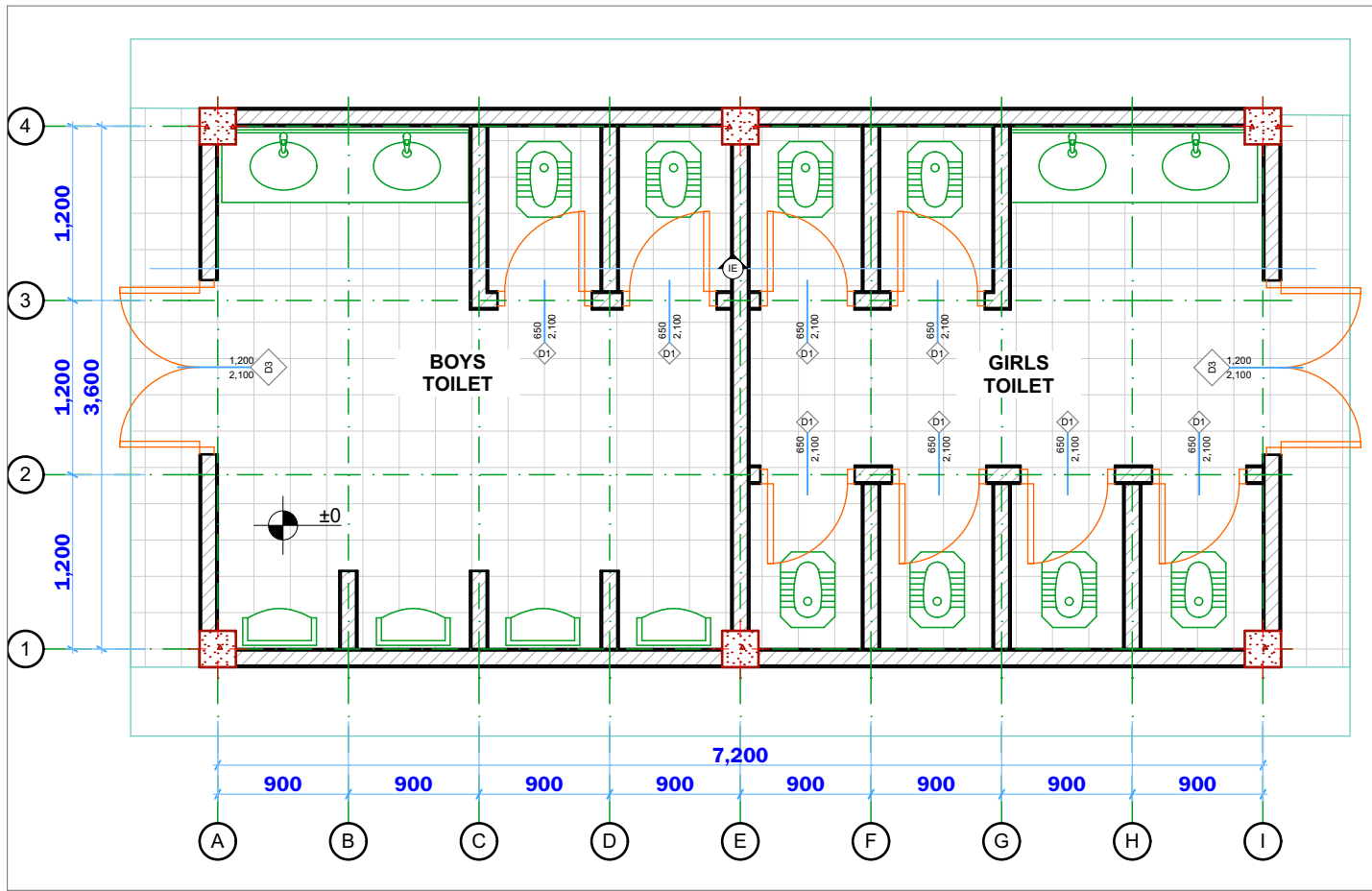
**C.01.3**





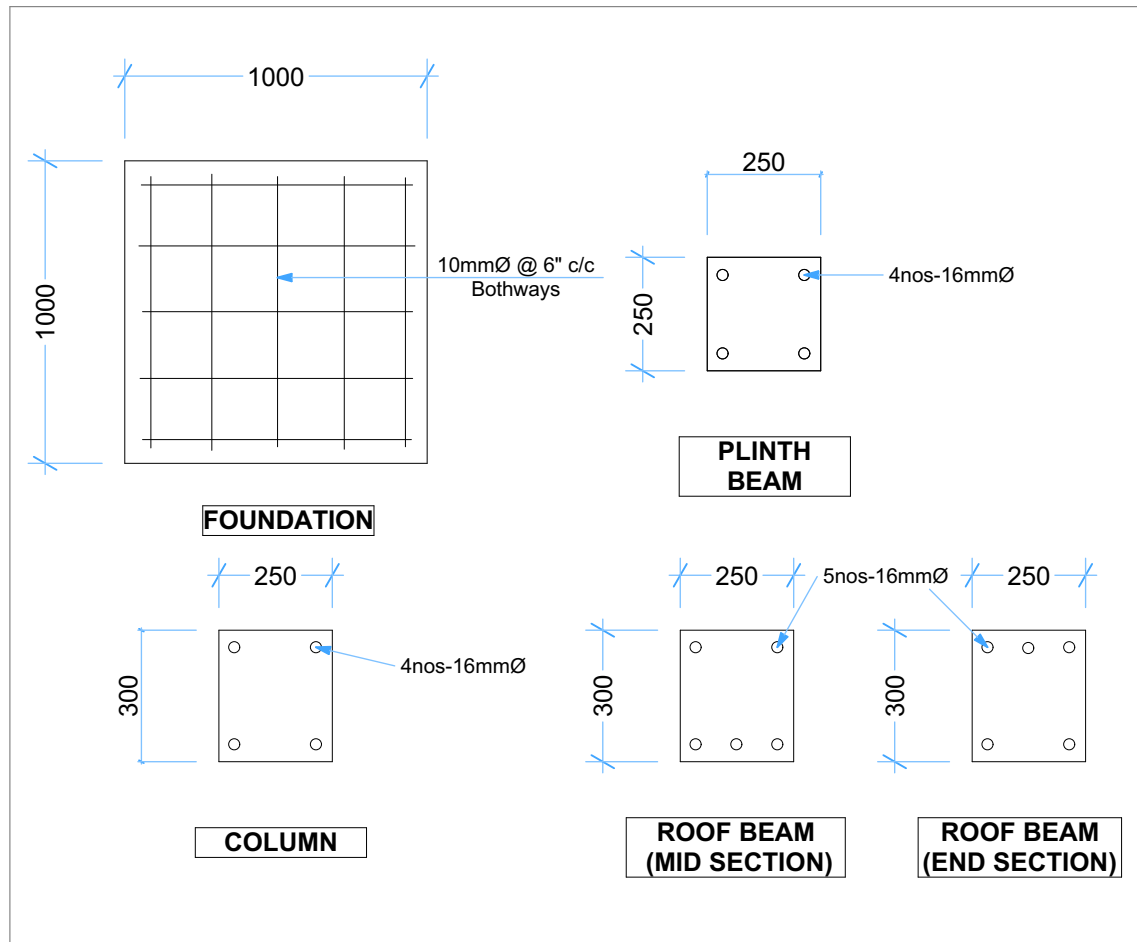
3D-01

3D View



Floor Plan

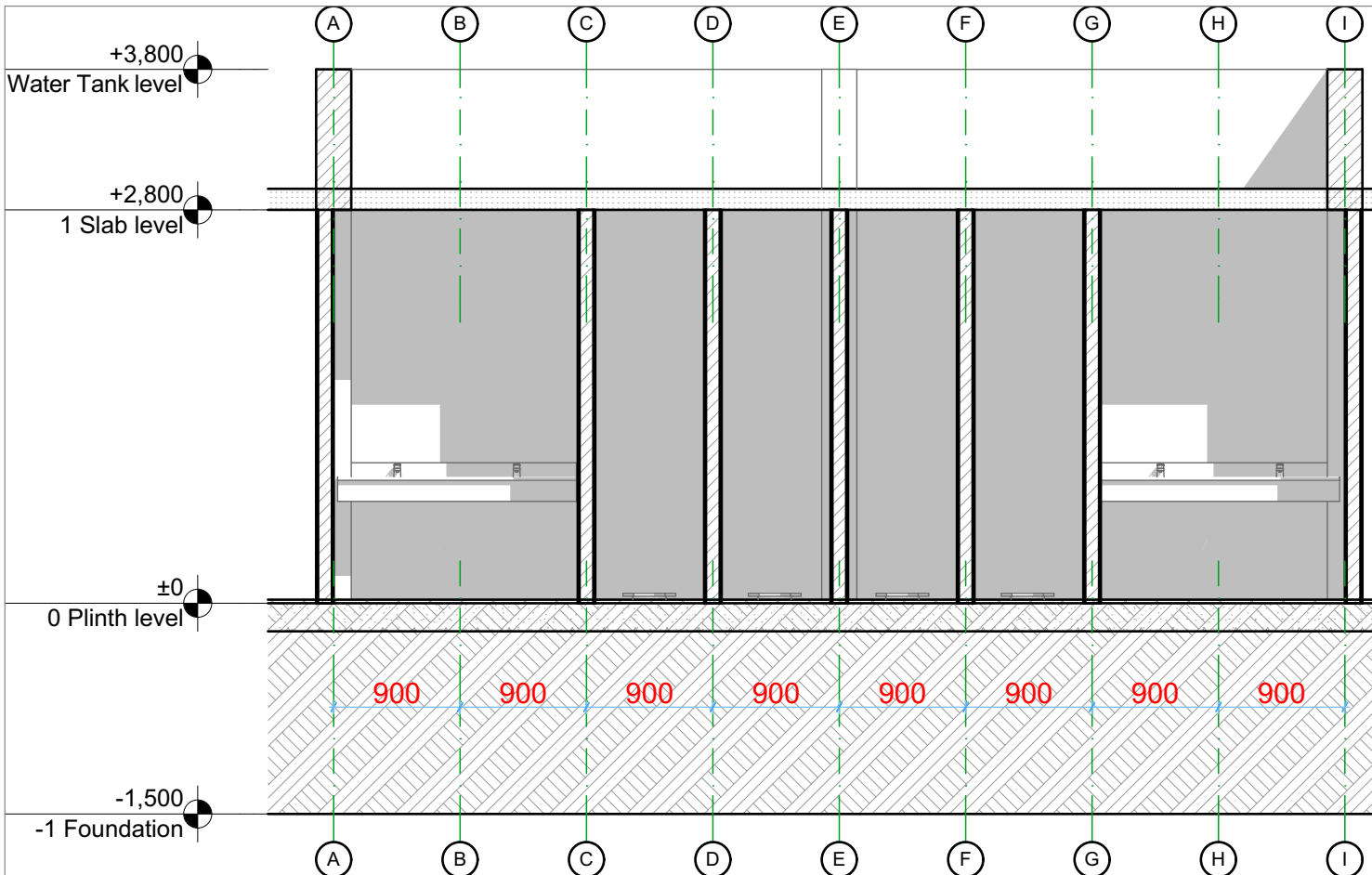
1:50



0.

Detailing

1:100 IE-01



Interior Elevation

1:50

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Department/Client

**Department of  
Higher Education  
Government of Nagaland**

Executing Agency

**Executive Engineer NPWD(H)  
Education Division  
Kohima**

Project Name and Address

**Wakching Model College, Mon  
(Separate Toilet Blocks for  
Boys & Girls - 2 Nos)**

Drawing Name

**Floor Plan, Interior Elevation,  
3D View, Detailing**

Drawing Scale

**1:50, 1:100**

Layout ID

Project ID

**HE-RUSA**

**D.01.1**

Status Revision

**1.0 1.0**

