



كلية سرياء العربية للبنات

MARYAM GIRLS ARABIC COLLEGE

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Barakah Estate, Tharavillu Junction, Battulu-Oya, Sri Lanka.

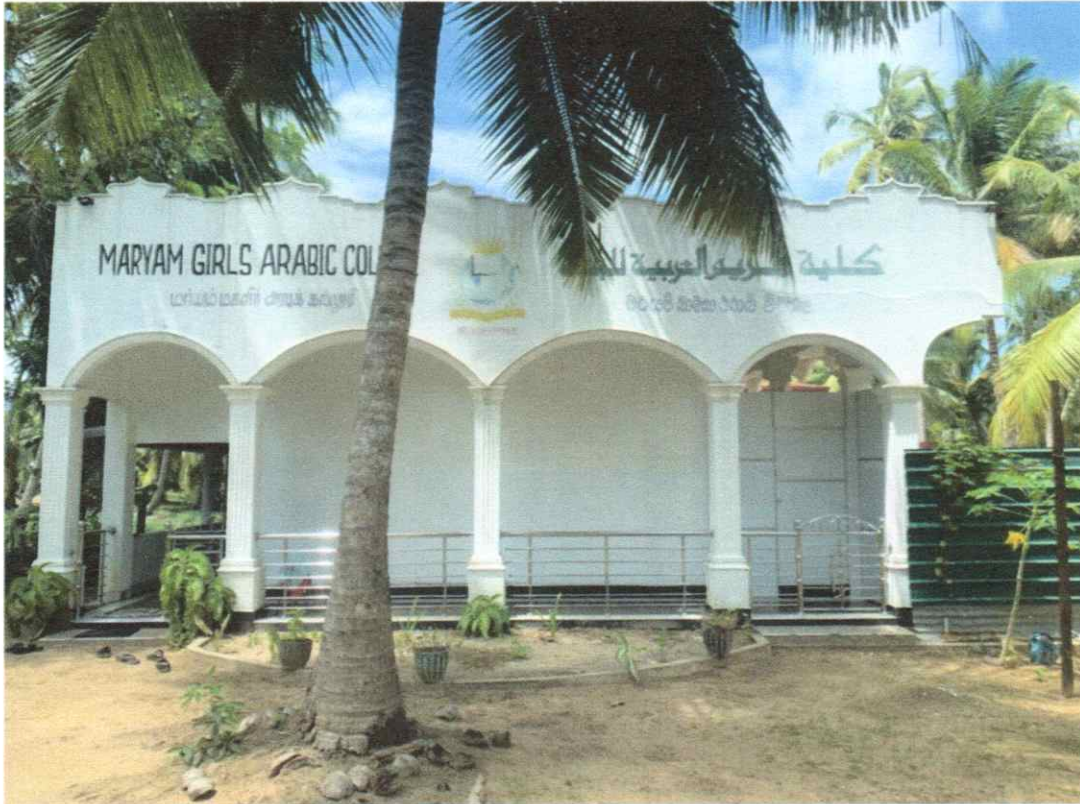
Tel. 0767258899, 0711035303

MRCA/13/1/T/PAS/12

## PROJECT :

### ESTIMATE & DRAWING

FOR PROPOSED 1ST FLOOR HOSTAL BUILDING, BUILDING  
EXTENTION (20M X 6M) & TOILET COMPLEX (1ST FLOOR) AT  
MARYAM GIRLS ARABIC COLLEGE, BARAKAH ESTATE,  
THARAVILLU JUNCTION, BATTULU - OYA, SRI LANKA.



PROJECT DESIGN, DRWANING AND ESTIMATE BY  
AJM CONSTRUCTION





## MASTER PLAN

### PROJECT :

PROPOSED DRAWING FOR 1ST FLOOR BUILDING, BUILDING EXTENSION (20M X 6M) & TOILET COMPLEX (1ST FLOOR) AT MARYAM GIRLS ARABIC COLLEGE, BARAKAH ESTATE, THARAVILLU JUNCTION, BATTULU - OYA, SRI LANKA.

DRAWING NO : AJM/D/113

FILE NO : A/D/01

SCALE : AS SHOWN

DATE : 10/12/2023

SHEET SIZE : A-4

CLIENT :

BOARD MEMBERS  
OF MARYAM GIRLS  
ARABIC COLLEGE

DRAWN BY : *Ale*

CHECKED BY : *[Signature]*

APPROVED BY : *[Signature]*





SIDE ELEVATION



**PROJECT :**

PROPOSED DRAWING FOR 1ST FLOOR BUILDING, BUILDING  
EXTENTION (20M X 6M) & TOILET COMPLEX (1ST FLOOR) AT  
MARYAM GIRLS ARABIC COLLEGE , BARAKĀH ESTATE,  
THARAVILLU JUNCTION, BATTULU - OYA, SRI LANKA.

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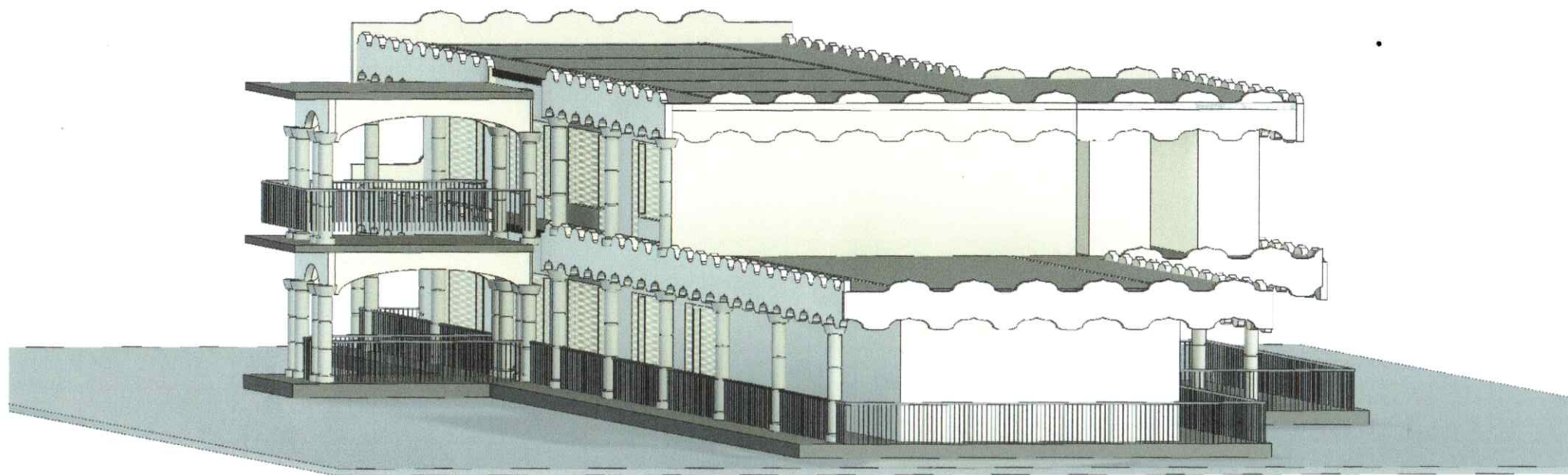
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APPROVED BY : [Signature]







SIDE ELEVATION



**PROJECT :**

PROPOSED DRAWING FOR 1ST FLOOR BUILDING, BUILDING  
EXTENSION (20M X 6M) & TOILET COMPLEX (1ST FLOOR) AT  
MARYAM GIRLS ARABIC COLLEGE, BARAKAH ESTATE,  
THARAVILLU JUNCTION, BATTULU - OYA, SRI LANKA.

DRAWING NO : AJM/D/113

FILE NO : A/D/01

SCALE : AS SHOWN

DATE : 10/12/2023

SHEET SIZE : A-4

**CLIENT :**

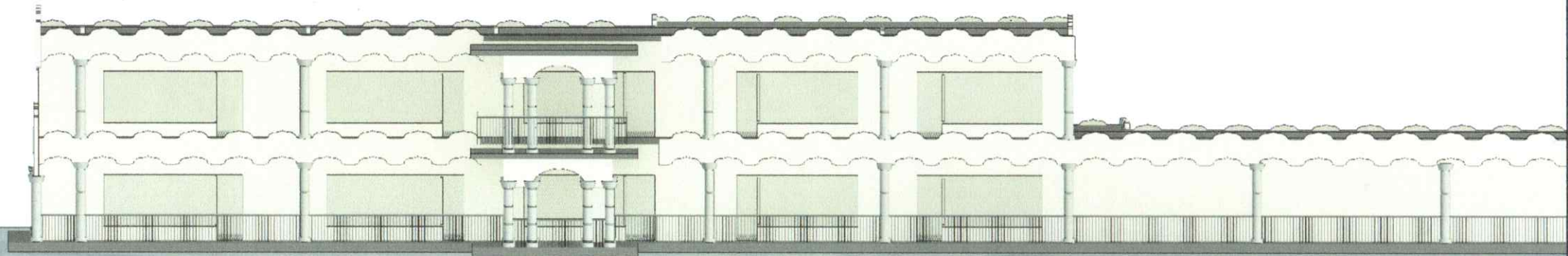
BOARD MEMBERS  
OF MARYAM GIRLS  
ARABIC COLLEGE

DRAWN BY : *As*

CHECKED BY : *[Signature]*

APPROVED BY : *P/1*





FRONT ELEVATION



**PROJECT :**

PROPOSED DRAWING FOR 1ST FLOOR BUILDING, BUILDING  
EXTENSION (20M X 6M) & TOILET COMPLEX (1ST FLOOR) AT  
MARYAM GIRLS ARABIC COLLEGE, BARAKAH ESTATE,  
THARAVILLU JUNCTION, BATTULU - OYA, SRI LANKA.

DRAWING NO : AJM/D/113

FILE NO : A/D/01

SCALE : AS SHOWN

DATE : 10/12/2023

SHEET SIZE : A-4

CLIENT :

BOARD MEMBERS  
OF MARYAM GIRLS  
ARABIC COLLEGE

DRAWN BY : A.A.

CHECKED BY : [Signature]

APPROVED BY : P.A.



**BOQ FOR THE PROPOSED 1<sup>ST</sup> FLOOR OF EXTENTION BUILDING (20M X 6M) AT MARYAM GIRLS ARABIC COLLEGE , BARAKAH ESTATE, THARAVILLU JUNCTION, BATTULU - OYA, SRI LANKA.**

**SUMMARY**

C	CONCRETE WORKS	Rs.	1,437,499.96
D	MASONARY WORK	Rs.	904,095.00
E	ALUMINIUM WORK	Rs.	1,731,132.00
F	METAL WORK	Rs.	660,000.00
G	FINISHING WORK	Rs.	1,505,236.00
H	PAINTING WORK	Rs.	371,520.00
J	ELECTRICITY WORK	Rs.	410,702.00
<b>TOTAL</b>			<b>7,020,184.96</b>

Prepared by: 

**A. J. M. JESLY**  
B.Tech. Civil Engineering  
N.D. Quantity Surveying  
I.Q.S.S.L. No: SS 3818

Approved by: 





<b>C - CONCRETE WORK</b>					
Unless otherwise stated, all conc. Work shall be : a. 1:2:4 ( 20mm ) - 20N/mm <sup>2</sup> mix b. Made dense with a vibrator. c. so cast as to receive only that finishing on its exposed surface as required Unless otherwise specified in the respective items all formwork and reinforcement are measured seperately.		Note			
<b>Rate shall include for</b> Plant for mixing, Handling, Hoisting Depositing, compacting curing and making good after removal of form work etc.		Note			
<b>1st Floor 1:2:4 (20mm)</b>		Note			
C-01	In Column Shafts - C1 & C2	Cu.m.	2.43	19,000.00	46,170.00
C-02	In Beams - B2	Cu.m.	5.87	19,000.00	111,577.50
C-03	In Staire case.	Cu.m.	2.84	19,000.00	53,960.00
C-04	Supplying all materials and construction of 100mmx150mm lintels and Sils with Grade 25 (20mm) concrete. Rate to include for formwork and reinforcementnets with 02 nos of 10mm dia High Yeld steel bars at top and bottom fixed to 6mm dia mild steel S stirups at 200mmc/c.	L.m.	60.00	2,450.00	147,000.00
<b>Form work</b> Rate shall include for all necessary boarding,supports, erecting, framing, cutting, angles, striking, removal cleaning, wetting etc. Form work has been measured in the same order as in the concrete items Form work has been measured in the net contact surface measurement between concrete & form work		Note Note Note			
<b>1st Floor</b>					
C-05	In Column Shafts - C1 & C2	Sq.m.	3.24	2,250.00	7,290.00
C-06	In Beams - B2	Sq.m.	17.62	2,550.00	44,924.63
C-07	In Staire case.	Sq.m.	11.65	2,550.00	29,707.50
<b>Reinforcement</b> Rate shall include for all necessary Steel Reinforcement including bends, hooks, tying wire, distance blocks, ordinary spacers, Inevitable laps, chairs and etc. Tor Steel fy=460N/mm <sup>2</sup> SLS 375; Mild Steel fy=250N/mm <sup>2</sup> to be used.		Note			
<b>1st Floor</b>					
<b>Tor Steel Reinforcements</b>					
C-08	In Column Shafts - C1 & C2: 16mm,12mm	Kg.	427.05	840.00	358,718.98
C-09	In Beams - B2: 16mm, 12mm	Kg.	562.22	840.00	472,268.16
C-10	In Staire case - 10mm	Kg.	60.62	840.00	50,920.80
<b>Mild Steel Reinforcements</b>					
C-11	In Column Shafts - C1 & C2: 6mm	Kg.	82.21	840.00	69,056.40
C-12	In Beams - B2: 6mm	Kg.	54.65	840.00	45,906.00
<b>Total</b>					<b>1,437,499.96</b>
<b>Total carried to summary</b>					<b>1,437,499.96</b>

D-01	<b>D-MASONRY</b> Rate shall include for All rough and fair cutting, plumbing angles , forming rebated reveals , rough arches , raking out joints for pointing, plastering etc Cutting and pinning, forming or cutting chases, making good and sundry items of a like nature <b>First Floor Level</b> 225mm thick Brick Wall in 1:5 cement and sand mortar				
	<b>Total</b>	Cu.m.	48.87	18,500.00	904,095.00
					<b>904,095.00</b>
	<b>Total carried to summary</b>				<b>904,095.00</b>
	<b>E-ALUMINIUM WORKS</b> Aluminium Doors and windows <u>Material</u> All Aluminium sections shall be fully treated extruded Aluminium alloy sections in accordance with BS 1470,1471, 1473, 1474 and suitable for the purpose employed. All Aluminium sections shall present clear , straight and sharply defined lines . They shall be free from defects impairing strength, appearance and durability. <u>Finish</u> All Aluminium extrusions shall be Bronze anodized to a thickness of micron 10-15 <u>Screws and Hardware items</u> Concealed screws Nuts , bolts ,rivets and other fastening devices shall be of aluminium Non - magnetic stainless steel or other approval corrosive resistant materials if visible they shall blend with the finish of the framing aluminium sections Hardware items such as Hinges . Handles catcher fixtures etc.. Shall be stainless steel <u>Glass</u> Glazing shall be 5mm thick clear float glass Glass shall be secured at all edges with compression gaskets glazing sealant shall be carefully applied and cleaned off property  <u>Workmanship</u> The fabrication and installation of all aluminium work must be carried out by specialist out by specialist tradesmen All dimensions shown on the drawings and the shop drawings must be verified by actual site measurement before fabrication and installation . Any cutting to enlarge the size of openings and any cement mortar filleting behind frames required after installation shall be executed by the contractor at his own expense.				



	<p>All Aluminium members shall be factory fabricated to the best standard of workmanship underexperienced factory supervision and control</p> <p>Materials , method of fabrication assembly installation fastenings,supports, braces, operating parts and the like shall be in accordance with the approved shop drawings.</p> <p>All joints in frames are corners, junctions and intersections shall be mechanically jointed and be such that when assembled they are as strongand rigid as adjoining sections. Due care must be taken to ensure that all joints are water tight ans leak -proof Joint should not be visible or nor the finished surfaces</p> <p>Provisions must be made for expansion and contraction in horizontal and vertical members which are exposed to the weather or elements Any distortion of members or any glass cracked or broken as a result of inadequate provisions must be rectified by the contractor at his own expense</p> <p>All works shall be securely installed and anchored position. Set plumb square and level in accurate alignment with other work All in accordance with the approved shop drawings to the Architects Satisfaction</p> <p>The allowable tolerance in lines of specified dimensions shall be plus miuns 1.5mm</p> <p><u>Submissions</u></p> <p>The Contractor shall submit shop drawings showing the following information where appropriate to the item</p> <p>Layout ( sectional plan and elevation ) of complete assembly full size sections of members methods of assembly methods of glazing methods of installation , including fixings caulking flashing provisions for vertical and horizontal expansion junctions and trim to adjoining surfaces fittings and accessories.</p> <p>The Contractor shall submit certificates from the aluminium manufacture and or approved testing laboratory which attest that the coating thickness offered is as specified Fabricate supply and installation of following</p> <p><b>GROUND FLOOR</b></p> <p>Aluminium door and windows as above described with bronze anodized (10-15 micron) frame mullions and transom and additional strengthening section where necessary and 5mm tinted float glass snap on glazing beads neoprene gaskets for glazing, plugging and screwing at jambs, heads, sills , painting one side with non - hardening mastic removable protective tape etc</p>				
E-01	Aluminium door type D1 5'-7" x 6'-9" (1'-3") 1ST Floor, with 60 - 80 micron powder coated Two sashes door with glazed fixed with pannel on top .Rate to include for heavy quality door lock 2 pairs 12" stainless steel handle wool felt threaded bar 5mm thick clear colour glass and bottom both sides 3mm thick pvc laminiated sheet all approved quality with above extrusion All complete as per plan as directed by Engineer	Sq.m	16.80	18,225.00	306,180.00
E-02	Aluminium door type W1 6'-0" x 9'-9" (1'-3") 1ST Floor, with 60 - 80 micron powder coated four sashes door with glazed fixed with pannel on top .Rate to include for heavy quality door lock 2 pairs 12" stainless steel handle wool felt threaded bar 5mm thick clear colour glass and bottom both sides 3mm thick pvc laminiated sheet all approved quality with above extrusion All complete as per plan as directed by Engineer	Sq.m	72.00	19,791.00	1,424,952.00
	<b>Total</b>				<b>1,731,132.00</b>
	<b>Total carried to summary</b>				<b>1,731,132.00</b>

<b>F-Metal work</b>				
<b>Structural steel work</b>				
<b>Rate shall include for:</b>				
a. all shop fabrication work including cutting drilling bolting riveting welding grinding delivering unloading hoisting erecting & fixing				
b. two coats of matt black oil paint ( Lanka oil or equivalent) after treating with a coats of anticrossive paint to all exposed faces of trusses.purlins, hiprafters and steel main joints in ceiling.				
<b>FIRST FLOOR</b>				
F-01	S/F Stainless steel/ GI Iron hand railing in Staircase of 2" dia main bar 1 1/4" dia vertical members at not morethan 2'-6" internal and 2 Nos 3/4" dia horizontal members hand rair hight 3'-0" with all necessary accessries and to the approval of Engineer ( Prier approval must be obtained before commence the work by producing sample ) Railing to be fixed up to First Floor	L.m.	40.00	16,500.00
<b>Total</b>				660,000.00
				<b>660,000.00</b>
<b>Total carried to summary</b>				<b>660,000.00</b>
<b>G-FINISHER</b>				
<b>Plastering</b>				
<b>Rate shall include for:-</b>				
All temporary rules, screeds, grounds etc. raking out joints of new block work or hacking new concrete for key internal and coved angles joints between new and old plastering arrises quirks inter sections between curved or irregular surfaces etc. and all making good around pipes sanitary fittings and similar fixture.				
<b>First Floor level</b>				
<b>External</b>				
16mm Thick plaser in cement and sand 1:4 finised sand rough to the following				
G-01	Walls and Columns	Sq.m.	220.00	1,120.00
G-02	Reveals not exceeding 150mm wide 12mm thick plaser in cement and sand 1:3 finished Rough	L.m.	32.40	650.00
G-03	10mm thick 1:3 cement & sand plastering to finished Rough sides & soffits of beams	Sq.m.	22.60	2,010.00
G-04	10mm thick 1:3 cement & sand plastering to finished Rough slab and soffits of facia.including Staircase side and Soffit	Sq.m.	180.00	2,010.00
				361,800.00



	<b>Internal</b> 16mm Thick plaser in cement and sand 1:1:5 finised smooth with lime putty to the following.				
G-05	Walls and Columns 10mm Thick plaser in cement and sand 1:3:finised sommth with lime putty to the following  <b>Paving</b>  Rate shall include for All temporary rules ,screeds, grounds etc all normal cutting arises,rounded angles and edges and the like, bedding and pointing making good between different surfaces and between new and old work making good around pipes sanitary fittings and other fixtures cleaning down and protecting upon completion	Sq.m.	210.00	1,200.00	252,000.00
G-06	<b>Hall</b> 20mm rendering in cement and sand 1:3 finished smooth with red cement floating	Sq.m.	147.00	1,850.00	271,950.00
G-07	<b>Portiko</b> 20mm rendering in cement and sand 1:3 finished smooth with red cement floating	Sq.m.	16.00	2,100.00	33,600.00
G-08	<b>Skirting</b> Skirting 12mm x 100mm in 1:3 Ct. Sand projected or flush to wall with colour cement floating.	L.ft.	420.00	650.00	273,000.00
	<b>Total</b>				1,505,236.00
	<b>Total carried to Summary</b>				1,505,236.00

<b>H - Painting</b>					
<b>Rate shall include for</b>					
All preparation of surfaces cleaning down smoothing , knotting, stopping etc protectin of floors and fittings, removing and replacing door and window furniture and cleaning window etc, upon completion					
<b>Plastered Surfaces</b>					
<b>1st floor</b>					
<b>External work</b>					
Prepare and apply two coats of weather shield emulsion paint colour (CIC weather shield range of equivalent) to the following:					
H-01	Walls, columns and facia	Sq.m.	196.00	650.00	127,400.00
H-02	Preparing surfaces and applying 1 coats of wall filler at all plastered surfaces external	Sq.m	196.00	850.00	166,600.00
<b>Internal Work</b>					
Preparing surfaces, applying skim coat, applying 1 coats of wall filler at all plastered surfaces and two coats of emulsion paint ,colour (CIC range or equivalent ) to the following;					
H-03	Walls & columns	Sq.m.	184.00	350.00	64,400.00
H-04	Soffit of suspended floor slab, beam & sunshade	Sq.m.	41.00	320.00	13,120.00
<b>Total</b>					<b>371,520.00</b>
<b>Total carried to Summary</b>					<b>371,520.00</b>
<b>J- Electrical Installation</b>					
All items are to be as shown in Drg No .and as described in the standard specification ICTAD and as specifically modified herein					
Note;					
Electrical items are to be of the following makes					
a) Electrical switches & socket outlets MK Crabtree, PDL.Tenby,Clipsal or equivalent					
<b>b) Distribution Boards</b>					
MEM Fuses ( British make assembled locally ) or consumer Unit type consisting of MCB, or equivalent British, french or German Make.					
c) Fans: Usha, KDK( Japanese)					
National( Japanese )GEC (UK )					
d) Switch Gear:- Main switches MCB 's MCCB"s MEM ( British make ) Crabtee, kloeknpr Noeller , Morlin Gern ,MK or equivalent					
e) ELEB Current Operated :-					
Cerbtree, MK,BBC or equivalent					
f) Fluorescent Fittings					
The choke, starter & capacitor should be of good quality, British, French, German or equivalent & the tube should preferably, Thom, Philips, National or equivalent. The Fluorescent fittings should be fabricated in guage not similler than 26" GI or Aluminium with two coats of anticorrosive paint with approved colour of enamel paint.					
Type of wiring:- Semi concealed and fully concealed conduit.					
Type of fittings:- To be decided by the Architect					
J-01	S/F Bracket lamp (water tight) with wiring all complete to working order	No	8.00	4,813.00	38,504.00
J-02	Supply and fixed soffit bracket LED 18W lamp with wiring, switch, etc.-----do-----	No	22.00	5,097.00	112,134.00
J-03	Supply and fixed hood lamp with wiring, switch, glass shad and buib etc.-----do-----	No	4.00	5,600.00	22,400.00
J-04	Supply and fixed 13Amp Universal outlet socket with wiring and switch etc-----do-----	No	8.00	5,615.00	44,920.00
J-05	S/F 15Amp socket outlet -----do-----	No	8.00	6,329.00	50,632.00
J-06	Ceiling fans 1400mm dia, swing with regulator and 5 speed additional control switch, (Bajaj regal/ equivalent) -----do-----	No	8.00	12,539.00	100,312.00
J-07	Supply and fixed ABC Box with 9 Nos brackers. With main & trip switch and wiring including 30Amp main and 30Amp trip switch crabtnew etc.(orange type or equivalent)	No	1.00	18,900.00	18,900.00
J-08	Earth Electrode G.I. Pipe 50mm dia	No	1.00	1,300.00	1,300.00
J-09	Supply and fixed 7/0.044 Twin core wire (provisional)	Lm	40.00	240.00	9,600.00
J-10	Supply and fixed service bracket 5'-0" long 2 1/2" x 2 1/2" x 1/4" angle iron fixed to wall including painting 2 coats of enamel paint	No	4.00	3,000.00	12,000.00
<b>Total</b>					<b>410,702.00</b>
<b>Total carried to Summary</b>					<b>410,702.00</b>