

THE DEMOCRATIC SOCIALIST  
REPUBLIC OF SRI LANKA  
DETAILED DESIGN REPORT  
ON  
THE TELEVISION BROADCASTING  
NETWORK CONSTRUCTION PROJECT

VOLUME IV

AUGUST 1979

JAPAN INTERNATIONAL COOPERATION AGENCY

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VOLUME IV

BUILDINGS AND TOWERS (2/2)



SECTION 8

BILL OF QUANTITIES

FOR

BUILDINGS AND TOWERS





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to

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## Preliminaries

### P-1 General items

This bill of quantities is based on design drawings prepared for the building and tower construction work of the television studio center and transmitting stations. Unless otherwise specified, this bill of quantities presents the net quantities of work or materials or both and does not include the following items.

- (1) Labour
- (2) Customs clearance, land transport, storage, unloading, and insurance in Sri Lanka of materials to be shipped from Japan.
- (3) Removal of temporary cableway after completion of the work.
- (4) Maintenance and operation after completion of the work.

Anchors, fittings, fastenings or the like to be used for fitting materials or structural members at required positions shall not be included in the bill of quantities unless specifically noted.

These items shall be included in related work or materials.

The following symbols and abbreviations are used throughout this bill of quantities.

LM, m	:	meter
SM, m <sup>2</sup>	:	square meter
CM, m <sup>3</sup>	:	cubic meter
mm	:	millimeter
cm	:	centimeter

### P-2 Temporary work

Area calculation shall be made on the basis of design drawings by taking off the building area for leveling profiling, the total floor area for marking off and the area to be covered by the circumference one meter outside the building circumference for outside scaffolding.

### P-3 Earth work

Depth of excavation shall be measured from the existing ground level shown in design drawings. Unless otherwise specified, the circumference formed by 30cm outside the footing beams or the circumference of the underground wall shall be used as the circumference of excavation and a width equal to 0.3 times as large as depth shall be taken off for the width of excavation.

- (1) Excavation of all types of soil and ground and excavation to all depths
- (2) Ground leveling, tampering, curbing, and grading
- (3) Back filling around foundations and walls and under concrete slabs with suitable soil produced by excavation or carried in from outside the site.

#### P-4 Reinforced concrete work

The quantities of concrete and reinforced concrete shall be taken off on the basis of net volumes indicated in design drawings.

For small openings, cuts, projections, or holes including those to be produced by piping and those not, within face areas of  $\text{lm}^2$  deduction of concrete is not made.

The quantities of forms shall be taken off by the net areas of forms in contact with concrete. For openings with areas not exceeding  $\text{lm}^2$  (including those to be produced by piping and those not), deduction of forms shall not be made.

For reinforcing bars, quantities shall be taken off by net weight. However, 4% of the total weight shall be added in consideration of loss by cutting. Lengths necessary for lap joints, hooks at ends, and anchors shall be included in the quantities through conversion to net weight.

#### P-5 Brick masonry

Quantities for masonry shall be taken off by net areas of surfaces produced by masonry. For areas less than  $0.5\text{m}^2$  (including those to be produced by piping and those not), deduction of masonry is not employed. The work for beams on brick walls shall be included in the reinforced concrete work.

Brick masonry shall include setting cement plastering, joint filling, and anchor work (when necessary).

#### P-6 Metal work

Unless otherwise specified, metal work shall include the specified or necessary materials of various types, jointing, welding, fitting of anchors and caps, fastening by screws, fastening by bolts, galvanization and shop painting, and painting at the site.

P-7 Carpentry

Quantities of structural wood members shall be taken off by first calculating the volumes of respective members from dimensions specified in design drawings and summing up these volumes into a total net volume. However, the total volume thus obtained shall be increased by 10% in consideration of loss by cutting or edge processing.

Unless otherwise specified, the carpentry shall include specified or necessary nails, wood screws, bolts, anchors, fasteners, clamps, finishing hardware, auxiliary hardware, and accessories. Quantities for the backing of suspended ceilings shall be taken off by the net area of suspended ceilings.

P-8 Roofing work

Quantities of slates and roof tiles shall be taken off by the net areas to be covered by slates and roof tiles. The quantities for the roofing work shall include necessary allowance in consideration of lap, rising, and loss by cutting and roofing.

Quantities for metal plate work shall include necessary allowance on account of lap joint, seam, flashing and similar members, cutting, and mounting.

P-9 Doors, windows & glazing

Wood windows and wood doors shall include all specified hardware. Metal doors and metal windows shall include all hardware described in specifications and indicated in design drawings. The quantities of glass shall be taken off by the net areas of such openings to be glazed as transoms, screens, and door frames and these net areas are summed. Necessary allowance for glazing shall be included.

P-10 Finish work

- 1) Quantities for asphalt waterproofing layers shall be taken off by the net areas of horizontal and vertical surfaces. All allowance to be required on account of lap joint, cutting, loss by processing, covering around drainage pipes and similar work shall be included.
- 2) Quantities for plastering shall be taken off by the net areas to be plastered, for areas of less than 0.5 m<sup>2</sup> (including those to be produced by piping and those not), deduction of plastering shall not be made. Plastering shall include metal and wire laths to be applied to such joints



of masonry brick, iron, and different materials that shall be plastered:

- 3) Quantities for tiling on floors and walls shall be taken off by the net areas to be tiled. Allowance shall be included for loss to be caused by cut and other work.
- 4) Quantities for terrazzo tile and laying of terrazzo on floor shall be taken off by the net areas to be covered by terrazzo work. For terrazzo work, loss to be caused by cutting and other work shall be considered. The terrazzo work shall include fitting, indicated or specified or necessary anchors, joint filling, polishing, and specified or necessary reinforcement of terrazzo blocks.
- 5) Quantities for the painting work shall be taken off by the net areas to be painted. The painting work shall include all processings of all bed surfaces.
- 6) Quantities for the interior finish work shall be taken off on the basis of areas obtained by subtracting areas by the inside dimensions or indicated dimensions of the openings of fittings and others from net areas by design dimensions or indicated dimensions. For areas of openings of less than  $0.5 \text{ m}^2$  (including those to be produced by piping and those not), deduction of interior finish work is not employed.

#### P-11 Miscellaneous work

The miscellaneous work shall include assembly, fixing members by bolt, fastening by screws and by nails, fitting of wood members, height adjustment, fixing members to walls or floors or both, finishing units into complete ones, and specified or necessary finished hardware, shop painting, and painting in the construction site.

#### P-12 Exterior construction work

For those items of work that are necessary for excavation, filling, grading, concrete placing, and other work and yet applicable to the exterior construction work, remarks given in the respective work shall apply to quantities to be taken off and items of work to be included.

Those items of work to be accomplished outside the site shall not be included.

P-13 Electrical work

Quantities for wires, cables, and conduits shall be taken off by actual lengths (indicated in drawings and not including lengths for connection) plus 20% necessary on account of loss.

For boxes, piping fixtures, lighting fixtures, etc., actual quantities (obtained from drawings) shall be taken off.

P-14 Plumbing work

For material other than cast steel pipes, quantities obtained by adding 10% to actual quantities shall be taken as design quantities. The required quantities shall be obtained by adding 10% to the design quantities.

In the case of cast steel pipes, actual quantities shall be equal to design quantities which shall be equal to the required quantities. For valves and fittings, actual quantities shall be taken off for the required quantities.

P-15 Air conditioning work

For piping materials, design quantities shall be obtained by adding 10% of quantities for actual lengths and the required quantities shall be obtained by adding 10% of the design quantities.

For electric wiring and piping of automatic control equipment, quantities to be obtained for actual lengths shall be used as design quantities.

The required quantities shall be obtained by adding allowance and loss, which shall be respectively 10% and 15% of the design quantities. For air ducts, design quantities shall be obtained by adding 10% of actual quantities and the required quantities shall be obtained by adding the loss of 30% of the design quantities. For equipment, valves and fixtures, actual quantities shall be used as the required quantities.

P-16 Tower work

For those items of work included in earth work, reinforce concrete work, and other works and yet applicable to this work, remarks given in the respective work shall apply to quantities to be taken off and items of work to be included, unless otherwise specified.

Quantities for steel work shall be taken off by net weights. However, loss by cutting shall be included for respective types of steel: 5% for angle

steel of L-50x50x4 ~ L-75x75x9, 7% for angle steel of L-90x90x7 ~ L-150x150x19, 15% for steel plates, 6% for flat steel, 7% for channel steel, and 10% for steel pipes, bolts, etc.



Item	Unit	Quantity
A. Building construction work		
A-I Colombo building construction work	LS	1
A-II Mt. pidurutalagala building construction work	LS	1
A-III Kokavil building construction work	LS	1
A-IV Kandy building construction work	LS	1
A-V Madukanda building construction work	LS	1

Item	Unit	Quantity
A-I Colombo building construction work		
(1) Temporary work	LS	1
(2) Earth work	LS	1
(3) Reinforced concrete work	LS	1
(4) Masonry	LS	1
(5) Metal work	LS	1
(6) Carpentry	LS	1
(7) Roofing work	LS	1
(8) Doors, windows & glazing	LS	1
(9) Finish work	LS	1
(10) Specialities	LS	1

Item	Unit	Quantity
(1) Temporary work		
1. Layout of building	SM	3,172
2. Finish marking	SM	4,469
3. Scaffolding for conc. work	SM	3,272
4. Scaffolding for rebar work	SM	3,272
5. Scaffolding of exterior wall	SM	3,461
6. Interior scaffolding Studio 1.2	SM	353
7. Interior scaffolding H=5,000-7,000	SM	889
8. Shoring	CM	8,885
9. Cleaning	SM	4,568
(2) Earth work		
1. Building excavation	CM	3,395
2. Disposal (within site)	CM	3,395
3. Backfill	CM	2,034
4. Crushed stone Below foundation & beam	CM	116
5. Crushed stone Below ground floor slab	CM	126
6. Soil banking	CM	321
7. Grading & compaction	SM	1,910
Foundation & tie beam		

Item	Unit	Quantity
(3) Reinforced concrete work		
1. Concrete work	LS	1
2. Form work	LS	1
3. Reinforcing steel bar work	LS	1
(3)-1 Concrete work		
1. Mud concrete 150 kg/cm <sup>2</sup>	CM	202
2. Reinforced concrete (Foundation & tie beam)	CM	1,232.5
3. Reinforced concrete (Ground floor column)	CM	91.5
4. Reinforced concrete (1st floor column)	CM	44.5
5. Reinforced concrete (2nd floor column)	CM	20.5
6. Reinforced concrete (1st floor girder)	CM	310.0
7. Reinforced concrete (2nd floor girder)	CM	163.2
8. Reinforced concrete (Roof floor girder)	CM	46.7
9. Reinforced concrete (1st floor slab)	CM	268
10. Reinforced concrete (2nd floor slab)	CM	160.8
11. Reinforced concrete (Roof floor slab)	CM	47.1



Item	Unit	Quantity
12. Reinforced concrete (Ground floor wall)	CM	49.2
13. Reinforced concrete (1st floor wall)	CM	66.6
14. Reinforced concrete (2nd floor wall)	CM	42.1
15. Reinforced concrete (Miscellaneous)	CM	222.5
16. Floor additional concrete 150kg/cm <sup>2</sup>	CM	
17. Floor concrete 210 kg/cm <sup>2</sup>	CM	319.2
18. Machine bed concrete 180 kg/cm <sup>2</sup>	CM	51.5
(3)-2 Form work		
1. Form setting & removal (Foundation & tie beam)	SM	3,309.0
2. Form setting & removal (Ground floor column)	SM	939.8
3. Form setting & removal (1st floor column)	SM	460.8
4. Form setting & removal (2nd floor column)	SM	137.2
5. Form setting & removal (1st floor girder)	SM	2,067.6
6. Form setting & removal (2nd floor girder)	SM	1,124.6
7. Form setting & removal (Roof floor girder)	SM	308.3
8. Form setting & removal (1st floor slab)	SM	2,191.3

Item	Unit	Quantity
9. Form setting & removal (2nd floor slab)	SM	1,331.8
10. Form setting & removal (Roof floor slab)	SM	392.7
11. Form setting & removal (Ground floor wall)	SM	671.1
12. Form setting & removal (1st floor wall)	SM	886.9
13. Form setting & removal (2nd floor wall)	SM	451.0
14. Form setting & removal (Miscellaneous)	SM	1,614.4
15. Form setting & removal (Ground floor slab)	SM	197.8
(3)-3 Reinforcing steel bar work		
1. Re-bar arrangement (Foundation & tie beam)	KG	93,476
2. Re-bar arrangement (Ground floor column)	KG	16,849
3. Re-bar arrangement (1st floor column)	KG	5,789
4. Re-bar arrangement (2nd floor column)	KG	1,883
5. Re-bar arrangement (1st floor girder)	KG	37,622
6. Re-bar arrangement (2nd floor girder)	KG	23,786
7. Re-bar arrangement (Roof floor girder)	KG	8,330

Item	Unit	Quantity
8. Re-bar arrangement (Ground floor slab)	KG	34,934
9. Re-bar arrangement (1st floor slab)	KG	31,032
10. Re-bar arrangement (2nd floor slab)	KG	21,100
11. Re-bar arrangement (Roof floor slab)	KG	5,918
12. Re-bar arrangement (Ground floor wall)	KG	2,704
13. Re-bar arrangement (1st floor wall)	KG	2,756
14. Re-bar arrangement (2nd floor wall)	KG	3,401
15. Re-bar arrangement (Miscellaneous)	KG	9,713
(4) Masonry		
1. Wall brick laying T=220 Ground floor	SM	1,768
2. Wall brick laying T=220 1st floor	SM	981
3. Wall brick laying T=220 2nd floor	SM	35
4. Wall brick laying T=110 Ground floor	SM	215
5. Wall brick laying T=110 1st floor	SM	54

Item	Unit	Quantity
6. Wall brick laying T=110 2nd floor	SM	0
(5) Metal work		
1. Floor brass joiner T=3, D=12	LM	370.0
2. Parking area steel grating with frame W=300, D=32	LM	30.0
3. Steel corner angle with anchor L-50 x 50 x 4, l=2000 Dwg No.A-113 SOP	EA SM	36 7.2
4. Floor expansion joint cover aluminium W=250 Dwg No.A-134	LM	5.6
5. Floor expansion joint corner L-50 x 50 x 4	LM	5.6
6. Expansion joint cover (aluminium) caulking Dwg No.A-134	LM LM	4.0 36.8
7. S.G.P. grid pipe SGP 48.6 $\phi$ SOP	LM SM	517 72
8. Steel angle piece with anchor bolt $\phi$ 13 L-65 x 65 x 6 Dwg No.A-117 L=300 D-(D)	EA	78
9. Steel rod hanger with turn buckle l=2600 19 $\phi$	EA	189
10. Steel channel pieces with anchor bolt 2-16 $\phi$ Dwg No.A-117 D-A 150 x 75 x 6.5 L=300 SOP	EA SM	189 34.5
11. Cat walk with handrail bothside Dwg No.A-118 SOP	LM SM	119.0 119.0

Item	Unit	Quantity
12. Steel curtain rail	LM	136.0
Dwg No.A-118 SOP	SM	40.0
13. Steel curtain rail curve	LM	15.0
SOP	SM	4.5
14. Ladder	LM	27.5
Dwg No.A-123 SOP	SM	8.3
15. Grid pipe clamp	EA	189
Dwg No.A-117 SOP	SM	11.5
16. Wiring duct edge angle	LM	124.8
Dwg No.A-156 D-14		
17. Wiring duct cover	LM	116.5
Steel 4.5 thich + p-tile T=2°		
18. Wiring duct edge angle	LM	54.5
W=300		
19. Wiring duct cover	LM	45
20. Reinforcement around wall opening	LM	426
Dwg No.A-156 D-21		
21. Window frame anchor with steel bar	EA	2,243
22. Handrail of stairs steel pipe	LM	17.5
Dwg No.A-153 SOP	SM	15.8
23. Stainless steel non slip Brass	LM	122.0
24. Cuprum metal lath 0.4 m/m 18 mesh	SM	132.0
25. Strap anchor with zinc chromate rustproofing paint	PS	1

Item	Unit	Quantity
26. Strap anchor with zinc chromate rustproofing paint	PS	16
27. Strap anchor with zinc chromate rustproofing paint	PS	5
28. Curtain rail, stainless steel	LM	21
29. Terrazzo block 250 x 25 L=900	EA	1
30. Terrazzo block I=2,500	EA	1
31. Welded wire mesh 6φ @100	SM	477
32. Saddle stainless steel T=20 W 40 x H 20	LM	0.8
33. Saddle stainless steel T=2° ; Dwg. No.A-155	LM	3.5
34. Saddle stainless steel Dwg No.A-155	LM	27.5
35. Saddle brass Dwg No.A-155	LM	11.2
36. Steel corner angle with anchor Horizontal cyclorama L-50 x 50 x 4 SOP Dwg No.A-116 A-A section	LM SM	8.5 0.9
37. Steel corner angle curve Horizontal cyclorama SOP Dwg No.A-116 A-A section	LM SM	6.5 0.7
38. Steel plate bracket of lighting box Dwg No.A-141	EA	71

Item	Unit	Quantity
39. Hand rail	LM	54.5
$\phi$ 48.6 Steel pipe    Dwg No.A-148    SOP	SM	54.5
40. Manhole water proofing type $\phi$ 600	EA	4
41. Manhole water proofing type $\phi$ 450	EA	1
42. Wiring duct with steel cover	LM	8.7
Dwg No.A-143    SOP	SM	17.5
43. Wiring duct with steel cover W=500	LM	9.3
SOP	SM	13.5
44. Wiring duct with steel cover W=300	LM	4.5
SOP	SM	9.0
45. Steel angle for opening reinforcing with anchor	LM	12.0
SOP	SM	1.5
46. Steel angle for opening reinforcing with anchor	LM	1
SOP	SM	0.1
47. Hand hole caver Dwg No.A-143	EA	2
48. Wiring bracket steel angle bar L-50x50x4    L=400    Dwg No.A-148    SOP	EA	7.0
"            L=300	SM	0.7
49. Bracket L=300	EA	1
SOP	SM	0.6
50. Anchor bolt for wiring bracket $\phi$ 9, l=250	EA	28
51. Steel angle and strap plates for wooden truss See attached sheets    Dwg No.A-156    D-15	LS	1

Item	Unit	Quantity
(5)-1 Steel angle aut strap plates for wooden truss Dwg.No.A-156 D-15		
1. Anchor bolt 9ϕ l=450	EA	2,176
2. Steel angle 200 x 200 x 4.5	EA	734
3. Steel plate	EA	455
4. Steel angle 100 x 100 x 4.5	EA	382
5. Ditto 75 x 75 x 4.5	EA	290
6. Strap plates	EA	64
7. Brace bolt l=300 ϕ9	EA	368
8. Puplin clamp ϕ13	EA	1,858
(6) Carpentry		
1. Roof wooden truss	CM	96.99
2. Wooden ceiling rest room 3 Dwg No.A-139 SOP	SM	7.3
3. Wooden fascia 250 x 30	LM	41.5
4. Wooden lighting box	SM	12.5
5. Wooden window casing 145 x 25	LM	35
	SM	21
	SM	48.9
	SM	10



Item	Unit	Quantity
6. Wooden window casing 65 x 25	LM SM	71.5 8.6
	SOP	
7. Wooden window casing 210 x 25	LM SM	18 5.0
	SOP	
8. Wooden window casing 130 x 25	LM SM	29.5 5.9
	SOP	
9. Wooden window casing 40 x 15	LM SM	316 25.3
	SOP	
10. Wooden door head & jamb 420 x 30	LM SM	5 2.5
	SOP	
11. Wooden door head & jamb 235 x 30	LM SM	5 1.5
	SOP	
12. Wooden door head & jamb 400 x 30	LM SM	48 24
	SOP	
13. Wooden door head & jamb 455 x 30	LM SM	27.5 16.5
	SOP	
14. Wooden door head & jamb 300 x 30	LM SM	22 9.0
	SOP	
15. Wooden door head & jamb 195 x 30	LM SM	11 2.8
	SOP	
16. Cat walk	CM	119
	Dwg No.A-118	
17. Lighting box W303 x L 1.250 x D170	EA	4
	Dwg No.A-129	
(7) Roofing work		
1. Large corrugated asbestos cement sheet	SM	155
2. Ridge type of asbestos cement sheet	M	12

Item	Unit	Quantity	
3. Large corrugated asbestos cement sheet earthenware roof tile	SM	3,173	
4. Ridge type large corrugated asbestos cement sheet with earthenware roof tile	LM	233	
5. Girth vinyl coating steel sheet include wooden T=0.8 L=400	LM	6	
6. Mortar filling below ridge tile	LM	233	
7. Eaves gutter vinyl coating steel sheet 800 m/m girth	LM	479	
8. Coping vinyl coating steel sheet 400 girth t = 1.0	LM	481	
9. Roof drain with caulking $\phi$ 100	EA	40	
10. Roof drain with caulking $\phi$ 75	EA	2	
11. Down spout with leader straps $\phi$ 100	LM	242	
12. Down spout with leader straps $\phi$ 75	LM	6	
13. Plywood furring of eaves gutter T=12	SM	352	
14. Mortar pad	EA	1,096	
15. Flashing vinyl coating steel sheet T=0.8 380 m/m girth	LM	257	
16. Eaves, mortar trowel 580 girth	LM	449	
	SOP	SM	261
17. Planceer mortar trowel	SM	527	
	A-EMP	SM	527
18. Roof water proofing mortar trowel	SM	92	
19. Feeder outlet 1,500 x 1,500 Dwg No.A-148	LS	1	

Item	Unit	Quantity
(8) Doors, window & glazing		
1. Wooden door & window work	LS	1
2. Steel door & window work	LS	1
3. Aluminium door & window work	LS	1
4. Glazing work	LS	1
5. Specialities	LS	1
(8)-1 Wooden door & window work		
1. Wooden window 800 x 1,655	EA	45
2. Wooden window 800 x 2,405	EA	12
3. Wooden window 800 x 2,405	EA	9
4. Wooden window 800 x 1,017.5	EA	2
5. Wooden window 800 x 1,505	EA	4
6. Wooden window 800 x 1,055	EA	5
7. Wooden window 800 x 1,505 Double sash	EA	4
8. Wooden window 1,600 x 9.00	EA	3
9. Wooden window 800 x 2,405	EA	3
10. Wooden door 800 x 2,100	EA	4
11. Wooden door 800 x 2,100 attached louver	EA	5
12. Wooden door 800 x 2,625	EA	2
13. Wooden door 800 x 2,100 attached louver	EA	2

Item	Unit	Quantity
14. Wooden door 900 x 2,100	EA	6
15. Wooden door 900 x 2,100 Attached louver	EA	2
16. Wooden door 1,200 x 2,100	EA	5
17. Wooden door 1,200 x 2,100	EA	3
18. Wooden door 1,200 x 2,555	EA	9
19. Wooden door 1,600 x 2,625	EA	2
20. Wooden door 1,600 x 2,100	EA	1
21. Wooden door 1,600 x 2,555	EA	1
22. Wooden door 700 x 2,100 attached louver	EA	4
23. Wooden door 550 x 1,850	EA	11
24. Wooden door 1,600 x 2,555	EA	1
25. Wooden door 700 x 1,950 attached louver	EA	2
26. Glass screen 5,475 x 2,625	EA	1
27. Glass screen 5,475 x 2,625	EA	5
28. Glass screen 3,575 x 2,625	EA	1
29. Glass screen 5,475 x 2,625	EA	4
30. Glass screen 2,305 2,435 x 2,700	EA	1
31. Glass screen 1,840 x 2,625	EA	1
32. Wooden louver 800 x 605	EA	2
(8)-2 Steel door & window work		
1. Steel door 800 x 2,100	EA	2
2. Steel door 800 x 2,100	EA	1
3. Steel door 900 x 2,100	EA	1

Item	Unit	Quantity
4. Steel door 1,200 x 2,100	EA	1
5. Steel door 1,600 x 2,100	EA	3
6. Steel door 1,600 x 2,100 with window	EA EA	2 1
7. Steel door 2,000 x 3,000	EA	2
8. Steel door 2,000 x 3,330	EA	1
9. Steel door 2,000 x 2,100	EA	2
10. Steel door 900 x 2,100	EA	6
11. Steel door 600 x 1,200	EA	7
12. Steel door 500 x 300	EA	1
13. Steel louver 2,000 x 1,200	EA	1
14. Steel louver 5,500 x 2,800	EA	1
15. Steel louver 800 x 500	EA	2
16. Steel louver 3,000 x 2,000	EA	1
17. Steel louver 5,500 x 2,000	EA	1
(8)-3 Aluminium door & window work		
1. Aluminium door 800 x 2,100	EA	1
2. Aluminium window 2,000 x 900	EA	1
3. Aluminium window 1,200 x 900	EA	1
4. Aluminium window 3,000 x 900	EA	1
5. Aluminium window 2,400 x 900	EA	1
(8)-4 Glazing work		
1. Clear sheet glass 5 M/M	SM	253.0
2. Patterned sheet glass 4 M/M	SM	5.0
3. Clear float sheet glass 8 M/M	SM	9.0



Item	Unit	Quantity
13. Door stop	EA	35
14. Push plate	EA	16
15. Pull plate	EA	4
16. Hook	EA	11
17. Air tight	LM	88.5
18. Insulation cost	EA	162
(9) Finish work		
1. Floor finish work	LS	1
2. Skirting finish work	LS	1
3. Wall finish work	LS	1
4. Ceiling finish work	LS	1
5. Specialities	LS	1
(9)-1 Floor finish work		
1. Below groundfloor slab T=0.15 m/m	SM	1,770
2. Floor vinyl asbestos tile with mortar trowel T=2.0	SM SM	1,098 1,098
3. Floor polished terrazzo T=30	SM	293
4. Floor mortar trowel T=30	SM	504
5. Floor mosaic tile	SM	112
6. Floor concrete trowel	SM	227
7. Floor type-1 Dwg No.A-103	SM	305
8. Floor type-2 Dwg No.A-103	SM	281

Item	Unit	Quantity
9. Floor type-3 Dwg No.A-103	SM	14
10. Floor type-4 Dwg No.A-103	SM	276
11. Floor type-5 Dwg No.A-103	SM	21
12. Floor terrazzo block T=30, 300 x 300	SM	12
13. Wooden flooring include wooden Dwg No.A-137 D-A	SM	5.7
14. Floor duct mortar tr'wl 500 x 230 960 girth	LM	134
15. Floor duct mortar tr'wl 300 x 230 760 girth	LM	63
16. Mortar trowel 400 girth Dwg No.A-116	LM	8.5
17. Mortar trowel curve	LM	6.5
18. Mortar trowel 900 girth drain gutter 300 x 200	LM	30
19. Floor mortar trowel below asphalt waterproofing T=20	SM	116.5
20. Floor form polystyrene board T=50	SM	116.5
21. Floor concrete trowel	SM	116.5
22. Mortar trowel riser & tread of stairs	SM	35
23. Mortar trowel with vinyl asbestos tile	SM	10.5
24. Floor mortar trowel machine bed	SM	95
25. Floor duct mortar trowel 1,200 girth 800 x 200	LM	8.5
26. Parking asphalt pavement T=50 with T=150 crushed stone	SM	796
27. Exterior mortar trowel T=30	SM	48



Item	Unit	Quantity
28. Hand hole 500 x 300 x 900 Dwg No.A-143	EA	2
29. Mortar trowel stoops	SM	30
(9)-2 Skirting finish work		
1. Vinyl soft base H=75	LM	619
2. Skirting mortar trowel H=150	LM	352
3. Skirting semi-porcelain tile	LM	136
4. Skirting wooden skirting T=25, H=450	LM SM	123 55
	SOP	
5. Skirting polished terrazzo T=25, H=75	LM	50
6. Vinyl soft base for stairs	LM	11
7. Skirting mortar trowel H=450	LM SM	40 18
	A-EMP	
8. Skirting mortar trowel H=400	LM	207
9. Coping mortar trowel W=300	LM	45
10. Skirting mortar trowel base of stairs	LM	14
11. Mortar trowel for stair stringer A-EMP	LM SM	21 10
12. Exterior mortar trowel H=200	LM	86
13. Exterior mortar trowel H=300	LM	151
14. Exterior mortar trowel H=600	LM	99
15. Mortar trowel for column base	EA	19

Item	Unit	Quantity
16. Mortar trowel for footing of steel pipe handrail	SM	10
(9)-3 Wall finish work		
1. Wall mortar trowel T=20	SM	2,399
2. Wall mortar trowel	SM	1,728
	A-EMP SM	1,728
3. Wall mortar trowel with glass wool mat T=50 24 kg/m <sup>3</sup>	SM	535
4. Wall semi-porcelain tile with mortar back up	SM	389
5. Wall exposed concrete	SM	162
6. Wall type-1 Dwg No.A-103	SM	601
7. Wall type-2 Dwg No.A-103	SM	324
8. Wall type-3 Dwg No.A-103	SM	46
9. Column mortar trowel T=20	SM	98
10. Column mortar trowel with	A-EMP SM	291 291
11. Column exposed concrete	SM	44
12. Column semi-porcelain tile with mortar back up	SM	0
13. Column mortar trowel with	A-EMP T=30 A-EMP	101 101
14. Wall mortar trowel with	A-EMP T=30 A-EMP	240 240
15. Horizontal cyclorama wall finishing Dwg No.A-123	SM	284
16. Wall mortar trowel water proofing base in heat storage tank	SM	282.5

Item	Unit	Quantity
17. Wall mortar trowel waterproofing covering	SM	282.5
18. Wall form polystyrene board T=50	SM	94
19. Wall mortar trowel with glass wall T=50 24 Kg/m <sup>3</sup> Dwg No.A-143, 144	SM	82
20. Mortar trowel reveal of doors & windows W=180 A-EMP	LM	511
	SM	102.2
21. Exterior wall mortar trowel T=30 A-EMP	SM	1,648
	SM	1,648
22. Exterior wall mortar trowel	SM	98
23. Exterior wall mortar trowel for reveal of doors & windows A-EMP W=170	LM	384
	A-EMP SM	76.8
24. Exterior wall mortar trowel for reveal of doors & windows A-EMP W=80	LM	73
	A-EMP SM	7.3
25. Mortar trowel sill A-EMP	LM	68
	A-EMP SM	34
(9)-4 Ceiling finish work		
1. Ceiling exposed concrete	SM	964
2. Ceiling molding vinyl	LM	613
3. Ceiling cemented excelsior board T=25	LM	732
4. Ceiling sprayed color finishing mortar	LM	767
5. Ceiling asbestos board A-EMP T=60	LM	270
6. Ceiling rock wool acoustic tile T=9 gypsum board	SM	563
	SM	563
7. Ceiling rock wool acoustic tile T=12 gypsum board double laying T=9+9	SM	73
	SM	73
8. Ceiling type-1 Dwg No.A-103	SM	340

Item	Unit	Quantity
9. Ceiling type-2 Dwg No.A-103	SM	21
10. Ceiling access door wooden Dwg No.A-126	EA	2
11. Steel suspended furring of ceiling	EA	906
12. Girter mortar trowel	SM	31
13. Girder mortar trowel A-EMP	SM	576
A-EMP	SM	576
14. Girder exposed concrete	SM	1,064
15. Ceiling form polytyrene board T=50	SM	117
16. Ceiling mortar trowel with glass wool T=50 24 kg/m <sup>3</sup> Dwg No.A-143, 144	SM	13
	SM	13
17. Exterior girder mortar trowel A-EMP	SM	48
A-EMP	SM	48
18. Exterior ceiling mortar trowel A-EMP	SM	30
A-EMP	SM	30
19. Ceiling hatch 600 x 600 Dwg No.A-156 D-6	EA	18
20. Reinforcing of ceiling opening Dwg No.A-156 D-7	EA	90
21. Reinforcing of lighting fixture opening in ceiling Dwg No.A-156 D-7	EA	176
<b>(9)-5 Specialities</b>		
1. Terrazzo booth T=50 Dwg No.A-150	SM	23.9
2. Floor expansion joint Dwg No.A-143	LM	49.6
3. Terrazzo block 230 x 20	LM	1
4. Terrazzo block 20 x 150	LM	3.5
5. Terrazzo block 500 x 30	LM	70

Item	Unit	Quantity
6. Terrazzo block 100 x 25 stairs	LM	27.5
7. Terrazzo block top board 250 x 25	LM	40
<b>(10) Specialities</b>		
1. Sink unit l=1,800	EA	1
2. Sink unit with wooden furring l=1,050 Dwg No.A-139	EA	1
3. Cooking table l=600 Dwg No.A-137	EA	1
4. Wall mounted cupboard with wooden furring & fascia l=1,800 Dwg No.A-137	EA	1
5. Information counter	EA	1
	SM	6.0
6. Wooden shelf	EA	4
3.50 x 860 x 2,175 Dwg No.A-137 SOP	SM	8.6
T=20 C.L.	SM	30.0
7. Make up table with bracket	EA	2
L=3,330 Dwg No.A-137 C.L.	SM	6.5
8. Make up table with bracket	EA	2
L=3,205 Dwg No.A-137 C.L.	SM	6.3
9. Wooden screen 1,150 x 2,100	EA	2
50 thk Dwg No. A-137 S.O.P.	SM	10.2
10. Wooden screen 700 x 2,100	EA	2
50 thk SOP	SM	6.2
11. Wooden work bench 3,300 x 750 x 800	EA	1
Dwg No.A-139 O.S.	SM	13
12. Wooden scene dock 12,000 x 2,000 x 3,100	EA	1
Dwg No.A-140 O.S.	SM	95
13. Asphalt waterproofing heat storage floor 3 layers, double	SM	116.5
14. Asphalt waterproofing heat storage wall 3 layers, double	SM	166

Item	Unit	Quantity
15. Mirror with stainless steel frame 912 x 1,522 x 5	EA	2
16. Sliding wall 5,600 x 2,650 Dwg No.A-157 D-29	EA	1
17. Synthetic rubber joint 30 x 10	LM	6
18. Floor synthetic rubber cushion 20 x 5 Dwg No.A-134	LM	106
19. Form polystyrene board T=50 for expansion joint Dwg No.A-134	SM	67
20. Drain pit 600 x 600 x 400 Dwg No.A-116	EA	1
21. Floor wiring duct Dwg No.A-116 B-B section	EA	5
22. Floor dubbing studio pit T=6 S.O.P. Dwg No.A-129	EA SM	1 0.2
23. Floor dubbing studio pit T=6 S.O.P. Dwg No.A-129	EA	1
24. Shielding panel 1,000 x 1,800 x 1,950 S.O.P. Dwg No.A-143, 144	EA SM	1 6
25. Shielding panel 500 x 4,000 x 400 Dwg No.A-143, 144	EA SM	1 7.2
26. Terrazzo block for sink 300 x 25 l=1,050 Dwg No.A-139	EA	1
27. Terrazzo block for sink 130 x 25 l=2,400 steel bracket Dwg No.A-137	EA	1

Item	Unit	Quantity
A-II Mt-pidurutalagala building work		
(1) Temporary work	LS	1
(2) Earth work	LS	1
(3) Reinforced concrete work	LS	1
(4) Masonry	LS	1
(5) Metal work	LS	1
(6) Carpentry	LS	1
(7) Roofing work	LS	1
(8) Doors, windows & glazing	LS	1
(9) Finish work	LS	1
(10) Specialities	LS	1

Item	Unit	Quantity
(1) Temporary work		
1. Layout building	SM	292.0
2. Finish marking	SM	292.0
3. Scaffolding for concrete work	SM	292.0
4. Scaffolding for rebar work	SM	292.0
5. Scaffolding of exterior wall	SM	504.0
6. Interior scaffolding	SM	292.0
7. Cleaning	SM	292
(2) Earth work		
1. Building excavation	CM	368.0
2. Disposal	CM	368.0
3. Backfill	CM	259.0
4. Crushed stone below foundation & tie beam	CM	11.0
5. Crushed stone below ground floor slab	CM	14.5
6. Soil banking	CM	4.5
7. Grading & compaction foundation & tie beam	SM	176.0
8. Rock excavation	LS	1
9. Dewatering	LS	1
(3) Reinforced concrete work		
1. Concrete work	LS	1
2. Form work	LS	1
3. Reinforcing steel bar work	LS	1



Item	Unit	Quantity
(3)-1 Concrete work		
1. Mud concrete	CM	22.0
2. Reinforced concrete foundation & tie beam FC=210 kg/cm <sup>2</sup>	CM	103.5
3. Reinforced concrete ground floor column	CM	9.5
4. Reinforced concrete 1st floor girder	CM	32.0
5. Reinforced concrete 1st floor slab	CM	40.0
6. Reinforced concrete miscellaneous	CM	29.0
7. Additional concrete floor FC=210 kg/cm <sup>2</sup>	CM	33.0
8. Ground floor concrete FC=210 kg/cm <sup>2</sup>	CM	48.5
(3)-2 Form work		
1. Form setting & removal foundation & tie beam FC=210 kg/cm <sup>2</sup>	SM	413.5
2. Form setting & removal ground floor column FC=210 kg/cm <sup>2</sup>	SM	101.0
3. Form setting & removal 1st floor girder FC=210 kg/cm <sup>2</sup>	SM	294.0
4. Form setting & removal 2nd floor slab FC=210 kg/cm <sup>2</sup>	SM	336.0
5. Form setting & removal miscellaneous FC=210 kg/cm <sup>2</sup>	SM	113.0
(3)-3 Reinforcing steel bar work		
1. Re-bar arrangement foundation & tie beam	KG	11,182.0
2. Re-bar arrangement ground floor column	KG	2,153.0
3. Re-bar arrangement 1st floor girder	KG	4,223.0
4. Re-bar arrangement ground floor slab	KG	3,640.0

Item	Unit	Quantity
5. Re-bar arrangement 1st floor slab	KG	3,703.0
6. Re-bar arrangement miscellaneous	KG	1,935.0
(4) Masonry		
1. Wall brick laying ground floor T=220	SM	440.0
2. Wall brick laying ground floor T=110	SM	105.0
(5) Metal work		
1. Welded wire mesh 6φ @100	SM	188.0
2. Floor wiring duct with steel plate cover T=4.5 W=200 Dwg No.A-208 (SOP)	LM	8.0
	SM	7.0
3. Floor wiring duct W=300 (SOP)	LM	39.0
	SM	39.0
4. Floor wiring duct W=400 (SOP)	LM	1.5
	SM	2.0
5. Floor wiring duct W=500 (SOP)	LM	9.0
	SM	13.5
6. Floor wiring duct W=800 (SOP)	LM	4.5
	SM	10
7. Wall opening frame W=455 x 455 x 220 Dwg No.A-207, 208 (SOP)	EA	2
	SM	1.0
8. Wall opening frame 760 x 460 x 220 (SOP)	EA	1
	SM	1.9
9. Wall opening frame 2,000 x 1,500 x 110 (SOP)	EA	1
	SM	0.8
10. Wall opening fram 1,300 x 1,300 x 220 (SOP)	EA	1
	SM	2.5
11. Wall opening frame 1,000 x 1,500 x 220 (SOP)	EA	2
	SM	2.3

Item	Unit	Quantity
12. Chamber room steel louver 1,300 x 1,370 Dwg No.A-207 (SOP)	EA SM	2 5.5
13. Chamber room steel louver 1,300 x 1,600 (SOP)	EA SM	2 7.0
14. Steel plates for electric wiring below ceiling l=600 (SOP)	EA SM	18 0.3
15. Steel plates for electric wiring below ceiling l=1,000 (SOP)	EA SM	1 0.5
16. Steel plates for electric wiring below ceiling l=1,300 (SOP)	EA SM	1 0.5
17. Steel plates for electric wiring below ceiling l=800 (SOP)	EA SM	16 0.5
18. Steel plates for electric wiring below ceiling l=3,000 (SOP)	EA SM	1 1.5
19. Hand hole steel cover plate for pit Dwg No.A-208 (SOP)	EA SM	1 1.0
20. Steel frame for elevated water tank 1,300 x 1,300 x 2,500 (SOP)	EA SM	1 14
21. Reinforcement for wall opening	LM	64.2
22. Window frame anchor	EA	355.0
23. Saddle stainless steel S1 type S2 type Dwg No.A-209	LM LM	2.4 1.8
24. Saddle brass T=6.0 x 30 S4 type Dwg No.A-204	LM	4.5
25. Steel angle and strap plates for wooden truss (see attached sheets)	LS	1
(5)-1 Steel angle and strap plates for wooden truss		
1. Strap plates	SET	7
2. Steel angle bolt-2-9φ anchor bolt-2-9φ	SET	55
3. Steel angle	SET	36

Item	Unit	Quantity
4. Steel plate	SET	176
(6) Carpentry		
1. Roof wooden truss	CM	12.79
2. Wooden jamb & head 800 x 2,100 100 x 50	EA	1
(7) Roofing work		
1. Large corrugated asbestos cement sheet	SM	385.0
2. Ridge type of asbestos cement sheet	LM	53.0
3. T=0.8 Flashing vinyl coating steel sheet girth=230	LM	2.5
4. Facia mortar trowel with A-EMP	SM	48.0
girth=380	LM	80.0
5. Planceer mortar trowel with A-EMP	SM	58.0
	SM	58.0
6. Eaves vinyl gutter with leader straps Dwg No.A-204	LM	80.0
7. Vinyl down spout with leader straps	EA	6.0
8. Basket strainer	EA	6.0
9. Mortar pad for wood blocking	EA	175.0
(8) Doors, windows & glazing		
1. Wooden door & window work	LS	1
2. Steel door & window work	LS	1
3. Aluminium door & window work	LS	1
4. Roll-up door work	LS	1
5. Glazing	LS	1

Item	Unit	Quantity
6. Specialities	LS	1
(8)-1 Wooden door & window work		
1. WD-1 wooden door 800 x 2,625	EA	2
2. WD-2 wooden door 900 x 2,100	EA	5
3. WD-3 wooden door 600 x 2,100	EA	1
4. WW-1 wooden window 800 x 2,905	EA	9
5. WW-2 wooden window 800 x 2,005	EA	2
6. WW-3 wooden window 600 x 2,005	EA	1
(8)-2 Steel door & window work		
1. SD-1 steel door 1,800 x 2,300	EA	3
(8)-4 Roll up door work		
1. SS-1 electric steel roll up door include supporting stud 2,240 x 2,300                      Dwg No.A-205	EA	1
(8)-5 Glazing work		
1. Clear sheet glass T=3 M/M	SM	1.0
2. Clear sheet glass T=5 M/M	SM	48.5
3. Patterned sheet glass	SM	2.5
4. Cleaning	SM	52.0
(8)-6 Specialities		
1. Mortar grouting around doors & windows frame	M	155.5
2. S.O.P. painting for steel doors & frame	SM	55.5

Item	Unit	Quantity
3. S.O.P painting for wooden doors & frame	SM	123.0
4. Hard ware	LS	1
(9) Finish work		
1. Floor finish work	LS	1
2. Skirting finish work	LS	1
3. Wall finish work	LS	1
4. Ceiling finish work	LS	1
5. Specialities	LS	1
(9)-1 Floor finish work		
1. T=2.0 M/M vinyl asbestos tiles mortar trowel	SM SM	160.0 160.0
2. T=30 mortar trowel	SM	83.0
3. Mosaic tiles	SM	6.5
4. Concrete trowel	SM	13.0
5. Mortar trowel for stairs	SM	6.5
6. Mortar trowel for floor duct	EA	1
7. Mortar trowel for wiring duct girth=600 200 x 200	LM	8.0
8. Mortar trowel for wiring duct girth=700	LM	39.0
9. Mortar trowel for wiring duct girth=800	LM	1.5
10. Mortar trowel for wiring duct girth=900	LM	9.0
11. Mortar trowel for wiring duct girth=1,200	LM	4.5

Item	Unit	Quantity
(9)-2		
1. H=150 mortar trowel	LM	86.0
2. H=100 semi-porcelain tile	LM	5.5
3. H=75 vinyl soft	LM	102.0
4. H=600 mortar trowel exterior skirting	LM	75.5
(9)-3		
1. Wall mortar trowel T=20	SM	143.0
2. Mortar trowel with A-EMP	SM	448.0
	SM	448.0
3. Semi-porcelain tile with mortar base	SM	32.5
4. Column mortar trowel	SM	4.0
5. Mortar trowel with A-EMP	SM	22.0
	SM	22.0
6. Exterior mortar trowel with A-EMP	SM	296.0
	SM	296.0
7. Mortar trowel with A-EMP around window frame	SM	146.0
	SM	146.0
(9)-4 Ceiling finish work		
1. Exposed concrete	SM	17.5
2. T=25 cemented excelsior board	SM	175.0
3. T=6.0 asbestos sement board with A-EMP	SM	61.0
	SM	61.0
4. Pvc molding	LM	74.0
5. Steel suspended furring of ceiling	SM	61
6. Girder exposed concrete	SM	127.5

Item	Unit	Quantity
(10) Specialities		
1. Sink unit 1=1,500 sun wave F-HS-1,500 Dwg No.A-206	EA	1
2. Gas table sun wave F-HA-600B type Dwg No.A-206	EA	1
3. Wall mounted cup board sun wave F-HA-1500 type	EA	1
4. Hood fascia T=12 plywood sop Dwg No.A-206	EA	1
5. Terrazzo block for sink Dwg No.A-206	LM	2.2



Item	Unit	Quantity
A-III Kokavil building work		
(1) Temporary work	LS	1
(2) Earth work	LS	1
(3) Reinforced concrete work	LS	1
(4) Masonry	LS	1
(5) Metal work	LS	1
(6) Carpentry	LS	1
(7) Roofing work	LS	1
(8) Doors windows & glazing	LS	1
(9) Finish work	LS	1
(10) Specialities	LS	1

Item	Unit	Quantity
(1) Temporary work		
1. Lay-out of building	SM	536.0
2. Finish marking	SM	468.0
3. Scaffolding for concrete work	SM	468.0
4. Scaffolding for re-bar work	SM	468.0
5. Scaffolding of exterior wall	SM	758.0
6. Interiour scaffolding	SM	536.0
7. Cleaning	LS	1
(2) Earth work		
1. Building excavation	CM	535.0
2. Disposal	CM	535.0
3. Backfill	CM	181.0
4. Crushed stone below foundation & tie beam	CM	19.0
5. Crushed stone below ground floor slab	CM	44.0
6. Soil banking	CM	138.0
7. Grading & compaction foundation & tie beam	SM	307.0
8. Rock excavation	LS	1
9. De watering	LS	1
(3) Reinforced concrete work		
1. Concrete work	LS	1
2. Form work	LS	1
3. Reinforcing steel bar work	LS	1

Item	Unit	Quantity
(3)-1 Concrete work		
1. Mud concrete FC=150 kg/cm <sup>2</sup>	CM	39.0
2. Reinforced concrete foundation & tie beam FC=210 kg/cm <sup>2</sup>	CM	164.0
3. Reinforced concrete ground floor column FC=210 kg/cm <sup>2</sup>	CM	16.0
4. Reinforced concrete 1st floor girder FC=210 kg/cm <sup>2</sup>	CM	55.0
5. Reinforced concrete 1st floor slab FC=210 kg/cm <sup>2</sup>	CM	52.0
6. Reinforced concrete miscellaneous FC=210 kg/cm <sup>2</sup>	CM	51.0
7. Additional concrete floor FC=150 kg/cm <sup>2</sup>	CM	33.0
8. Ground floor concrete FC=210 kg/cm <sup>2</sup>	CM	77.0
(3)-2 Form work		
1. Form setting & removal foundation & tie beam	SM	627.0
2. Form setting & removal ground floor column	SM	170.0
3. Form setting & removal 1st floor girder	SM	398.0
4. Form setting & removal 1st floor slab	SM	426.0
5. Form setting & removal miscellaneous	SM	274.0
(3)-3 Reinforcing steel bar work		
1. Re-bar arrangement foundation & tie beam	KG	19,450.0
2. Re-bar arrangement ground floor column	KG	2,550.0

Item	Unit	Quantity
3. Re-bar arrangement 1st floor girder	KG	6,228.0
4. Re-bar arrangement ground floor slab	KG	6,717.0
5. Re-bar arrangement 1st floor slab	KG	4,723.0
6. Re-bar arrangement miscellaneous	KG	2,750.0
(4) Masonry		
1. Wall brick laying ground floor T=220	SM	695.0
2. Wall brick laying ground floor T=110	SM	146.0
(5) Metal work		
1. Welded wire mesh 6 $\phi$ @100	SM	188.0
2. Floor wiring duct W=200	LM	8.0
Dwg No.A-309 SOP	SM	7.0
3. Floor wiring duct W=300	LM	39.0
SOP	SM	39.0
4. Floor wiring duct W=400	LM	1.5
SOP	SM	2.0
5. Floor wiring duct W=500	LM	9.0
SOP	SM	13.5
6. Floor wiring duct W=800	LM	4.5
SOP	SM	10.0
7. Wall opening frame 455 x 455 x 220	EA	2.0
Dwg No.A-308 SOP	SM	1.0
8. Wall opening frame 760 x 460 x 220	EA	1.0
Dwg No.A-308 SOP	SM	1.9
9. Wall opening frame 750 x 1,000 x 220	EA	2
SOP	SM	1.5
10. Wall opening frame 1,300 x 1,300 x 220	EA	1
SOP	SM	2.5

Item	Unit	Quantity
11. Wall opening frame 1,000 x 1,500 x 220 SOP	EA SM	1 1.1
12. Steel louver 1,300 x 1,300 Dwg No.A-308 SOP	EA SM	2 5.5
13. Steel plates for electric wiring below ceiling L=600 Dwg No.A-309 SOP	EA SM	26 3.1
14. Steel plates for electric wiring l=500 SOP	EA SM	1 0.3
15. Steel plates for electric wiring l=800 SOP	EA SM	16 3.0
16. Steel plates for electric wiring l=3,000 SOP	EA SM	1 1.5
17. Hand hole steel cover plate for pit Dwg No.A-309 SOP	EA SM	1 1.0
18. Steel frame for elevated water tank H=2,500 1,350 x 1,350 SOP	EA SM	1 14.0
19. Steel frame for elevated water tank H=2,000 1,350 x 1,350 SOP	EA SM	1 13
20. Reinforcement for wall opening	LM	202
21. Window frame anchor	EA	685
22. Saddle stainless steel S1 type T=2.0 Dwg No. A-312	LM	2.4
23. Saddle stainless steel S3 type T=2.0 Dwg No.A-312	LM	6.8
24. Saddle BRASS S4 type T=6 x 30	LM	2.1
25. Curtain rail stainless steel	LM	1.2
26. Steel angle and strap plates for wooden truss see attached sheets Dwg No.A-304	LS	1
(5)-26 Steel angle and strap plates for wooden truss		
1. Strap plates FB4x40	SET	22

Item	Unit	Quantity
2. Steel angle Bolt-2-9 $\phi$ Anchor bolt-2-9 $\phi$	SET	120
3. Steel angle ditto	SET	52
4. Steel plates	SET	176
(6) Carpentry		
1. Roof wooden truss	CM	19.42
2. Wooden jamb & head 800 x 2,100 100 x 50	EA	1
(7) Roofing work		
1. Large corrugated asbestos cement sheet	SM	777.0
2. Ridge type of asbestos cement sheet	LM	150.0
3. T=0.8 flashing vinyl coating steel sheet Girth=230	LM	16.0
4. Facia mortar trowel with A-EMP (A-EMP) girth=400	SM LM	87.0 148.0
5. Planceer mortar trowel with A-EMP (A-EMP)	SM SM	105.0 105.0
6. Eaves vinyl gutter with leader straps	LM	150.0
7. Vinyl down spout with leader straps 75 $\phi$	EA	8
8. Vinyl down spout with leader straps 75 $\phi$	EA	4
9. Eaves vinyl gutter with leader straps 100 $\phi$ /2	LM	2.2

Item	Unit	Quantity
10. Basket strainer	EA	12
11. Mortar pad for wood blocking	EA	335.0
(8) Doors, windows & glazing		
1. Wooden door & window work	LS	1
2. Steel door & window work	LS	1
3. Aluminium door & window work	LS	1
4. Roll-up work	LS	1
5. Glazing	LS	1
6. Specialities	LS	1
(8)-1 Wooden door & window work		
1. WD-1 wooden door	EA	1
2. WD-2 wooden door 900 x 2,100	EA	6
3. WD-3 wooden door 1,600 x 2,625	EA	2
4. WD-4 wooden door 600 x 2,100	EA	1
5. WW-1 wooden window 800 x 2,905	EA	11
6. WW-2 wooden window 600 x 2,005	EA	1
7. WD-1 wooden door 800 x 2,355	EA	4
8. WD-2 wooden door 800 x 2,305	EA	1
9. WD-3 wooden door 900 x 2,100	EA	1
10. WD-4 wooden door 1,600 x 2,305	EA	1
11. WD-5 wooden door 600 x 2,100	EA	1
12. WD-6 wooden door 600 x 2,000	EA	1
13. WW-1 wooden window 800 x 1,455	EA	11
14. WW-2 wooden window 600 x 570	EA	2

Item	Unit	Quantity
(8)-2 Steeldoor & window work		
1. SD-1 steel door 1,800 x 2,300	EA	3
(8)-4 Roll-up door work		
1. SS-1 steel roll-up door manual 3,500 x 3,000	EA	1
(8)-5 Glazing		
1. Clear sheet glass T=3.0 m/m	SM	1.5
2. Clear sheet glass T=5.0 m/m	SM	41.0
3. Patterned sheet glass T=4.0 m/m	SM	2.0
4. Cleaning	SM	44.5
(8)-6 Specialities		
1. Mortar grouting around doors & windows frame	LM	288.0
2. Painting for steel doors & frame	SM	81.8
3. Painting for wooden door & frame S.O.P.	SM	177.5
4. Hard ware	LS	1
(9) Finish work		
1. Floor finish work	LS	1
2. Skirting finish work	LS	1
3. Wall finish work	LS	1
4. Ceiling finish work	LS	1
5. Specialities	LS	1



Item	Unit	Quantity
(9)-1 Floor finish work		
1. T=2.0 vinyl asbestos tile mortar trowel	SM	280.0
2. Mortar trowel T=30	SM	116.0
3. Mosaic tile	SM	15.5
4. Concrete trowel	SM	10.0
5. T=50 graveling finish for garage	SM	23.0
6. Mortar trowel for stairs	SM	15.5
7. Hand hole mortar trowel for floor duct 1,200 x 600 x 150	EA	1
8. Mortar trowel for wiring duct 200 x 200	LM	8.0
9. Mortar trowel for wiring duct 300 x 200	LM	39.0
10. Mortar trowel for wiring duct 400 x 200	LM	1.5
11. Mortar trowel for wiring duct 500 x 200	LM	9.0
12. Mortar trowel for wiring duct 800 x 200	LM	4.5
13. Floor precast concrete panel on sandbed 300 x 300	SM	83.0
(9)-2 Skirting finish work		
1. H=75 vinyl soft	LM	201.0
2. H=150 mortar trowel	LM	92.0
3. Semi-porcelain tile H=100	LM	16.0
4. Exterior skirting H=600 mortar trowel	LM	127.0

Item	Unit	Quantity
(9)-3 Wall finish work		
1. Wall mortar trowel T=20	SM	387.0
2. Mortar trowel with A-EMP	SM SM	555.0 555.0
3. Semi porcelain tile with mortar base	SM	92.0
4. Column mortar trowel with A-EMP	SM SM	27.0 27.0
5. Mortar trowel T=20	SM	14.0
6. Exterior mortar trowel with A-EMP	SM SM	411.0 411.0
7. Mortar trowel with A-EMP around window flame	SM LM	40.0 194.0
(9)-4 Ceiling finish work		
1. Exposed concrete	SM	24.0
2. T-25 cemented excelsior board	SM	175.0
3. Sprayed color finishing mortar	SM	110.0
4. T-6.0 asbestos sement board with A-EMP	SM SM	94.0 94.0
5. Pvc molding	LM	95.0
6. Steel suspended ceiling	SM	94.0
7. Girder exposed concrete	SM	145.0
8. Mortar trowel with A-EMP	SM SM	45.0 45.0
(9)-5 Specialties		
1. Terrazzo block shelf W=250 x 25 l=1,800	EA	1
2. Mortar trowel for corridor column base	EA	40

Item	Unit	Quantity
3. Terrazzo block for sink	LM	4.8
(10) Specialties		
1. Sink unit with wooden back framing sun wave F-HS-1800 type	EA	2
2. Wall mounted cupboard sun wave F-HA-1200	EA	2
3. Wall mounted cupboard sun wave F-HA-600	EA	1
4. Gas table sun wave F-HG-600b + F-HG-300	EA	1
5. Hood-fascia T=12° plywood sop	EA	2
6. Curbstone including mortar bed	LM	70

Item	Unit	Quantity
A-IV Kandy building construction work		
(1) Temporary work.	LS	1
(2) Earth work	LS	1
(3) Reinforced concrete work	LS	1
(4) Masonry	LS	
(5) Metal work	LS	1
(6) Carpentry	LS	1
(7) Roofing work	LS	1
(8) Doors, windows & glazing	LS	1
(9) Finish work	LS	1

Item	Unit	Quantity
(1) Temporary work		
1. Lay-out of building	SM	18
2. Finish marking	SM	36
3. Scaffolding for concrete work	SM	18
4. Scaffolding for re-bar work	SM	18
5. Scaffolding of exterior wall	SM	260
6. Interior scaffolding	SM	36
7. Cleaning	LS	1
(2) Earth work		
1. Building excavation	CM	40
2. Disposal	CM	40
3. Backfill	CM	23
4. Crushed stone below foundation & tie beam	CM	2
5. Crushed stone below ground slab	CM	3
6. Soil banking	CM	1
7. Grading & compaction foundation & tie beam	CM	41
8. Rock excavation	LS	1
9. Dewatering	LS	1
(3) Reinforced concrete work		
1. Concrete work	LS	1
2. Form work	LS	1
3. Reinforcing steel bar work	LS	1

Item	Unit	Quantity
(3)-1 Concrete work		
1. Mud concrete	CM	2.1
2. Reinforced concrete foundation & tie beam FC=210 kg/cm <sup>2</sup>	CM	15.23
3. Reinforced concrete ground floor column FC=210 kg/cm <sup>2</sup>	CM	2.2
4. Reinforced concrete 1st floor column FC=210 kg/cm <sup>2</sup>	CM	2.3
5. Reinforced concrete 2nd floor column FC=210 kg/cm <sup>2</sup>	CM	0
6. Reinforced concrete 1st floor girder FC=210 kg/cm <sup>2</sup>	CM	2.2
7. Reinforced concrete 2nd floor girder FC=210 kg/cm <sup>2</sup>	CM	2.1
8. Reinforced concrete 1st floor slab FC=210 kg/cm <sup>2</sup>	CM	2.2
9. Reinforced concrete 2nd floor slab FC=210 kg/cm <sup>2</sup>	CM	5.2
10. Reinforced concrete miscellaneous FC=210 kg/cm <sup>2</sup>	CM	2.1
11. Additional concrete floor FC=150 kg/cm <sup>2</sup>	CM	3.2
12. Floor concrete FC=210 kg/cm <sup>2</sup>	CM	4.3
(3)-2 Form work		
1. Form setting & removal foundation & tie beam	SM	47.7
2. Form setting & removal ground floor column	SM	9.4
3. Form setting & removal 1st floor column	SM	9.5

Item	Unit	Quantity
4. Form setting & removal 1st floor girder	SM	22.0
5. Form setting & removal 2nd floor girder	SM	21.5
6. Form setting & removal 1st floor slab	SM	13.5
7. Form setting & removal 2nd floor slab	SM	39.0
8. Form setting & removal miscellaneous	SM	12
(3)-3 Reinforcing steel bar work		
1. Re-bar arrangement foundation & tie beam	KG	1,158.0
2. Re-bar arrangement ground floor column	KG	211.0
3. Re-bar arrangement 1st floor column	KG	211.0
4. Re-bar arrangement 1st floor girder	KG	324
5. Re-bar arrangement 2nd floor girder	KG	327
6. Re-bar arrangement ground floor slab	KG	337
7. Re-bar arrangement 1st floor slab	KG	610.0
8. Re-bar arrangement miscellaneous	KG	205.0
(4) Masonry		
1. Wall brick laying ground floor T-220 W=220	SM	79.2
2. Wall brick laying ground floor T-110 W=110	SM	14.3
(5) Metal work		
1. Non slip brass	LM	15

Item	Unit	Quantity
2. Steel edging strip for wiring duct Steel 4.5 x 15	LM	14
3. Wiring duct cover W=340 mm CH 4.5 mm thick, L-30 x 30 x 3 Dwg No.A-404 SOP	LM SM	7 14
4. Hand hole exterior duct cover CH 4.5 mm th'k, L-50 x 50 x 4 SOP 600 x 1,000 Dwg No.A-404	EA SM	1 1.0
5. Flashing, 0.8 mm thick vinyl coated metal sheet	LM	0.5
6. Reinforcement around wall opening W=220 Dwg No.A-404	LM	18.5
7. Window frame anchor Dwg No.A-404	EA	107
8. Saddle stainless steel S1 type	LM	1.2
9. Saddle stainless steel S3 type	LM	2.0
10. Steel frame for elevated water tank H=2,500 1,350 x 1,350 SOP	SET SM	1 14.0
11. Steel angle and strap plates for wooden truss	LS	1
(6) Carpentry		
1. Roof wooden truss	CM	1.2
(7) Roofing work		
1. Large corrugated asbestos cement sheet	SM	14.0
2. Ridge type of asbestos cement sheet	LM	45.0
3. Mortar pad for wood blocking	EA	9.0
4. Vinyl down spout with leader straps 75φ	EA	1.0
5. Facia mortar trowel 330 mm -girth	LM SM	25.0 15.0



Item	Unit	Quantity
6. Planceer mortar trowel	SM	19.0
SOP	SM	19.0
7. Flashing vinyl coating steel sheet t=0.8	LM	2.0
8. Eaves vinyl gutter 100φ	LM	25.0
(8) Doors, windows & glazing		
1. Wooden doors & windows work	LS	1
2. Steel doors & windows work	LS	1
3. Aluminium doors & windows work	LS	1
4. Roll-up doors work	LS	1
5. Glazing work	LS	1
6. Specialities	LS	1
(8)-1 Wooden doors & windows work		
1. Wooden door 900 x 2,100	EA	1
2. Wooden door 600 x 2,100	EA	1
3. Wooden window 600 x 715	EA	1
4. Wooden window 600 x 1,505	EA	1
5. Wooden window 600 x 1,555	EA	1
6. Wooden window 800 x 1,555	EA	2
7. Wooden window 600 x 1,555	EA	1
(8)-2 Steel door & window work		
1. Steel door 900 x 2,100	EA	1

Item	Unit	Quantity
(8)-5 Glazing work		
1. Clear sheet glass 5 m/m	SM	3.5
2. Patterned sheet glass 4 m/m	SM	0.5
3. Cleaning	SM	4.0
(8)-6 Specialities		
1. Mortar grouting around door and window frame	LM	42.5
2. Painting for wooden door, window & frame S.O.P.	SM	21.3
3. Painting for steel door and frame S.O.P.	SM	4.2
4. Hard ware	LS	1
(8)-6-4 Hard ware		
1. Hinge	EA	23
2. Door closer	EA	3
3. Cylinder mortise lock	EA	2
4. Cam latch handle	EA	14
5. Arm	EA	14
6. Rim slide bolt	EA	1
7. Installation	EA	8
(9) Finish work		
1. Floor finish work	LS	1
2. Skirting finish work	LS	1
3. Wall finish work	LS	1
4. Ceiling finish work	LS	1

Item	Unit	Quantity
5. Specialities.	LS	1
(9)-1 Floor finish work		
1. T=2.0 vinyl asbestos tiles mortar trowel	SM SM	13.5 13.5
2. Mortar trowel T=30	SM	12.0
3. Mosaic tiles	SM	3
4. Mortar trowel forstair interior	SM	8
5. Mortal trowel for stair exterior	SM	4
(9)-2 Skirting finish work		
1. Mortar trowel H=150	M	14
2. Semi-porcelain tile	M	7
3. Vinyl soft	M	17
4. Mortar trowel T=20	M	18
5. Exterior skirting T-30 mortar trowel H=600	M	19
(9)-3 Wall finish work		
1. Mortal trowel T=20	SM	37
2. Mortal trowel with A-EMP	SM SM	44 44
3. Semi-porcelain tile mortar base 100	SM	7
4. Exterior wall mortar trowel A-EMP T=30	SM SM	102.0 102.0
5. Reveal mortar trowel A-EMP W=170	LM SM	22.0 5.0

Item	Unit	Quantity
6. Reveal mortar trowel A-EMP W=170	LM SM	5.0 1.0
7. Mortar flashing A-EMP W=350	M SM	4.0 1.0
(9)-4 Ceiling finish work		
1. Cemented excelsior board T=25	SM	27.0
2. Sprayed colour finishing mortar	SM	6

Item	Unit	Quantity
A-V Madukanda building work		
(1) Temporary work	LS	1
(2) Earth work	LS	1
(3) Reinforced concrete work	LS	1
(4) Masonry	LS	1
(5) Metal work	LS	1
(6) Carpentry	LS	1
(7) Roofing work	LS	1
(8) Doors, windows & glass	LS	1
(9) Finish work	LS	1

Item	Unit	Quantity
(1) Temporary work		
1. Lay-out of building	SM	18
2. Finish marking	SM	36
3. Scaffolding for concrete work	SM	18
4. Scaffolding for re-bar work	SM	18
5. Scaffolding of exterior wall	SM	260
6. Interior scaffolding	SM	36
7. Cleaning	LS	1
(2) Earth work		
1. Building excavation	CM	17.8
2. Disposal	CM	17.8
3. Back fill	CM	12
4. Crushed stone below foundation & tie beam	CM	1.0
5. Crushed stone below ground floor slab	LS	1
6. Soil banking	CM	1.0
7. Grading & compaction foundation & tie beam	SM	28.0
8. Rock excavation	LS	1
9. Dewatering	LS	1
(3) Reinforced concrete work		
1. Concrete work	LS	1

Item	Unit	Quantity
2. Form work	LS	1
3. Reinforcing steel bar work	LS	1
(3)-1 Concrete work		
1. Mud concrete	CM	1.1
2. Reinforced concrete foundation & tie beam		6.43
3. Reinforced concrete ground floor column FC=210 kg/cm <sup>2</sup>	CM	2.1
4. Reinforced concrete 1st floor column FC=210 kg/cm <sup>2</sup>	CM	2.2
5. Reinforced concrete 1st floor girder FC=210 kg/cm <sup>2</sup>	CM	2.2
6. Reinforced concrete 2nd floor girder FC=210 kg/cm <sup>2</sup>	CM	2.1
7. Reinforced concrete 1st floor slab	CM	2.2
8. Reinforced concrete 2nd floor slab FC=210 kg/cm <sup>2</sup>	CM	5.2
9. Reinforced concrete miscellaneous FC=210 kg/cm <sup>2</sup>	CM	2.1
10. Additional concrete floor FC=150 kg/cm <sup>2</sup>	CM	3.2
11. Floor concrete FC=210 kg/cm <sup>2</sup>	CM	4.3
(3)-2 Form work		
1. Form setting & removal foundation & tie beam	SM	31.8
2. Form setting & removal ground floor column	SM	9.4
3. Form setting & removal 1st floor column	SM	9.5

Item	Unit	Quantity
4. Form setting & removal 1st floor girder	SM	22.0
5. Form setting & removal 2nd floor girder	SM	21.5
6. Form setting & removal 1st floor slab	SM	13.5
7. Form setting & removal 2nd floor slab	SM	39
8. Form setting & removal miscellaneous	SM	12
(3)-3 Reinforcing steel bar		
1. Re-bar arrangement foundation & tie beam	KG	781
2. Re-bar arrangement ground floor column	KG	211
3. Re-bar arrangement 1st floor column	KG	211
4. Re-bar arrangement 1st floor girder	KG	324
5. Re-bar arrangement 2nd floor girder	KG	327
6. Re-bar arrangement ground floor slab	KG	337
7. Re-bar arrangement 1st floor slab	KG	610.0
8. Re-bar arrangement miscellaneous	KG	205.0
(4) Masonry		
1. Wall brick laying ground floor T:220 W=220	SM	79.2
2. Wall brick laying ground floor T:110 W=110	SM	14.3
(5) Metal work		
1. Non-slip brass	LM	15



Item	Unit	Quantity
2. Steel edging strip for wiring duct steel 4.5 x 15 Dwg No.A-404	LM	14
3. Wiring duct cover, W=340 mm CH 4.5 mm thick, L-30 x 30 x 3 Dwg No.A-404 SOP	LM SM	7 14
4. Hand hole exterior out cover SH 4.5 mm th'k L-50 x 50 x 4 Dwg No.A-404 SOP	EA SM	1 1.0
5. Flashing 0.8 mm thick vinyl coated Metal sheet	LM	0.5
6. Reinforcement around wall opening W=220 L-50 x 50 x 4 Dwg No.A-404	LM	18.5
7. Window frame anchor Dwg No.A-404	EA	107
8. Saddle stainless steel S1 type	LM	1.2
9. Saddle stainless steel S3 type	LM	2.0
10. Steel frame for elevated water tank	SET SM	1 14.0
11. Steel angle and strap plates for truss	LS	1
(6) Carpentry		
1. Roof wooden truss	CM	1.2
(7) Roofing work		
1. Large corrugated asbestos cement sheet	SM	14.0
2. Ridge type of asbestos cement sheet	LM	45.0
3. Mortar pad for wood blocking	EA	9.0
4. Vinyl down spout with leader straps	EA	1.0
5. Facia mortar trowel 330 mm=girth SOP	LM SM	25.0 15.0

Item	Unit	Quantity
6. Planceer mortar trowel	SM	19.0
SOP	SM	19.0
7. Flashing vinyl coating steel sheet T=0.8 230=girth	LM	2.0
8. Eaves vinyl gutter 100φ	LM	25.0
(8) Doors, windows & glazing		
1. Wooden doors & windows work	LS	1
2. Steel doors & windows work	LS	1
3. Aluminium doors & windows work	LS	1
4. Roll-up doors work	LS	1
5. Glazing work	LS	1
6. Specialities	LS	1
(8)-1 Wooden doors & windows work		
1. WD-1 wooden door 900 x 2,100	EA	1
2. WD-2 wooden door 600 x 2,100	EA	1
3. WW-1 wooden window 600 x 715	EA	1
4. WW-2 wooden window 600 x 1,505	EA	1
5. WW-3 wooden window 600 x 1,555	EA	1
6. WW-4 wooden window 800 x 1,555	EA	2
7. WW-5 wooden window 600 x 1,555	EA	1
(8)-2 Steel door & window work		
1. Steel door 900 x 2,100	EA	1

Item	Unit	Quantity
(8)-5 Glazing		
1. Clear sheet glass 5 m/m	SM	3.5
2. Patterned sheet glass 4 m/m	SM	0.5
3. Cleaning	SM	4.0
(8)-6 Specialities		
1. Mortar grouting around door and window frame	LM	42.5
2. Painting for wooden door, window & frame S.O.P.	SM	21.3
3. Painting for steel door and frame S.O.P.	SM	4.2
4. Hard ware	LS	1
(8)-6-4 Hard ware		
1. Hinge	EA	23
2. Door closer	EA	3
3. Cylinder mortise lock	EA	2
4. Cam latch handle	EA	14
5. Arm	EA	14
6. Rim slide bolt	EA	1
7. Installation	EA	8
(9) Finish work		
1. Floor finish work	LS	1
2. Skirting finish work	LS	1
3. Wall finish work	LS	1
4. Ceiling finish work	LS	1

Item	Unit	Quantity
5. Specialities	LS	1
(9)-1 Floor finish work		
1. T=2.0 vinyl asbestos tiles mortar trowel	SM SM	13.5 13.5
2. Mortar trowel T=30	SM	12.0
3. Mosaic tiles	SM	3
4. Mortar trowel forstair interior	SM	8
5. Mortar trowel for stair exterior	SM	4
(9)-2 Skirting finish work		
1. Mortar trowel H=150	M	14
2. Semi-porcelain tile	M	7
3. Vinyl soft	M	17
4. Mortar trowel T=20	M	18
5. Exterior skirting mortar trowel H=600 T=30	M	19
(9)-3 Wall finish work		
1. Mortar trowel T=20	SM	37
2. Mortar trowel with A-EMP	SM SM	44 44
3. Semi-porcelain tile mortar base 100	SM	7
4. Exterior wall mortar trowel A-EMP T=30	SM SM	102.0 102.0
5. Reveal mortar trowel A-EMP W=170	LM SM	22.0 5.0

Item	Unit	Quantity
6. Reveal mortar trowel A-EMP W=170	LM SM	5.0 1.0
7. Mortar flashing A-EMP W=350	M SM	4.0 1.0
(9)-4 Ceiling finish work		
1. Cemented excelsior board T=25	SM	27.0
2. Sprayed colour finishing mortar	SM	6

Item	Unit	Quantity
B. Exterior construction work		
B-I Colombo exterior construction work	LS	1
B-II Mt.-pidurutalagala exterior construction work	LS	1
B-III Kokavii exterior construction work	LS	1
B-IV Kandy exterior construction work	LS	1
B-V Madukanda exterior construction work	LS	1

Item	Unit	Quantity
B-I Colombo exterior construction work		
(1) Garage building work	LS	1
(2) Planting work	LS	1
(3) Paving & curb work	LS	1
(4) Fence work	LS	1
(5) Gate work	LS	1

Item	Unit	Quantity
(1) Garage building work		
1. Temporary work	LS	1
2. Earth work	LS	1
3. Reinforced concrete work	LS	1
4. Finish work	LS	1
(1)-2 Temporary work		
1. Building excavation	CM	48.0
2. Backfill	CM	24.0
3. Disposal	CM	48.0
4. Crushed stone	CM	18.5
(1)-3 Reinforced concrete work		
1. Mud concrete FC=150 kg/cm <sup>2</sup>	CM	1.8
2. Reinforced concrete FC=210 kg/cm <sup>2</sup>	CM	45.5
3. Forming general setting & removal	SM	260.5
4. Forming exposed setting & removal	SM	119.5
5. Re-bar arrangement	KG	6,536.0
(1)-4 Finish work		
1. Brick laying T=220	SM	84.0
2. Wall mortar trowel with A-EMP	SM	254.0
	SM	254.0
3. Beam mortar trowel with A-EMP	SM	37.0
	SM	50.7
4. Coping mortar trowel	LM	27.5



Item	Unit	Quantity
5. Skirting mortar trowel H=600	LM	67.0
6. Roof large corrugated asbestos cement sheet	SM	166.0
7. Roof ridge type corrugated asbestos cement sheet	LM	25.5
8. Roof wooden truss	CM	2.05
9. Mortar pad for wood blocking	EA	48
10. Drainage ditch steel grating Dwg No. A-169	LM	10
11. Steel angle and strap plates for wooden truss	LS	1
12. Vinyl eaves gutter 100ϕ	LM	48.8
13. Vinyl down spout with leader straps ϕ75	LM	9.0
(2) Planting work		
1. Soil banking	CM	1,722
2. Planting (Shrub)	SM	1,457.0
3. Lawn planting	SM	3,399.0
(3) Paving & curb work		
1. Asphalt pavement T=50 with subgrade crushed stone T=150	SM	4,219.0
2. Floor terrazzo block laying with sand bed	SM	601
3. Floor terrazzo block laying with sand bed	SM	85
4. Brick laying T=220	SM	468.0

Item	Unit	Quantity
5. Crushed stone below brick T=60	CM	13.5
6. Mud concrete below brick T=50	CM	10.8
7. Mortar trowel for curb siding H=550 Dwg No.A-169	SM	921.0
8. Terrazzo block coping Dwg No.A-169	LM	666.0
9. Terrazzo block coping curb R=5000 Dwg No.A-169	LM	132.0
10. Terrazzo block coping curb R=13,000 Dwg No.A-169	LM	29.0
11. Teerazzo block saddle Dwg No.A-169	LM	50.0
12. Soil banking	CM	137.0
13. Mortar trowel steps T=30	SM	30.5
14. Concrete curb stone	LM	
15. Steel grating inside-mortar trowel steel angle frame W=300	LM	12.0
16. Pit D=450 (Ditto)	EA	2
17. Graveling for cooling tower space oil tank space T=50	SM	60
18. Flag pole aluminium include concrete bed L=10 m	EA	3
(4) Fence work		
1. Chain link fence H=2,000 Dwg No.A-169 SOP	LM SM	263 95



Item	Unit	Quantity
B-II Mt.-pidurutalagala exterior construction work		
1. Uncoursed rubble masonry Dwg No.A-209	SM	426.0
2. Exterior stairs Dwg No.A-209	LS	1
3. Cleaning	LS	1
4. Graveling T=50 Dwg No.A-204	SM	145
5. Concrete curb stone Dwg No.A-204	LM	72
B-III Kokavil exterior construction work		
1. Fence work Dwg No.A-312 SOP	LM SM	466.0 59.0
2. Curb stone work with crushed stone & mud concrete	LM	242
3. Graveling finish	SM	849
4. Gate work Dwg No.A-312	LS	1
5. Grading & cleaning	LS	1
B-IV Kandy exterior construction work		
1. Fence work H=2,000 Dwg No.A-404 SOP	LM SM	165.0 42.0
2. Gate work 2,000 x 1,500 Dwg No.A-404	LS	1
3. Uncoursed rubble masonry	SM	120.0
4. Cleaning	LS	1

Item	Unit	Quantity
5. Graveling T=50 Dwg No.A-403	SM	34
6. Concrete curb stone Dwg No.A-403	LM	17
7. Stair concrete 1,000 x 1,000	LS	1
B-V Madukanda exterior construction work		
1. Fence work H=2,000 Dwg No.A-504 SOP	LM	82
2. Gate work 2,000 x 1,500 Dwg No.A-504	SM	11
3. Gate work 2,000 x 1,500 Dwg No.A-504	LS	1
4. Uncoursed rubble masonry	SM	36.0
5. Cleaning	LS	1
6. Graveling	SM	34
7. Concrete curb stone	LM	17

Item	Unit	Quantity
C. Electrical work		
C-I Colombo	LS	1
C-II Mt. pidurutalagala	LS	1
C-III Kokavil	LS	1
C-IV Kandy	LS	1
C-V Madukanda	LS	1

Item	Unit	Quantity
C-1 Colombo electrical work		
(1) Feeder wiring installation	LS	1
(2) Power wiring installation	LS	1
(3) Earthing installation	LS	1
A) Lightning installation	LS	1
B) Earthing installation	LS	1
(4) Lighting & socket outlet installation	LS	1
A) Lighting fitting installation	LS	1
-1 Indoor	LS	1
-2 Outdoor	LS	1
B) Piping & wiring works	LS	1
-1 Indoor	LS	1
-2 Outdoor	LS	1
(5) Telephone conduit installation	LS	1
(6) T.V. conduit installation	LS	1
(7) Interphone installation	LS	1
(8) Clock conduit installation	LS	1
(9) Fire alarm system	LS	1
(10) Piping for studio	LS	1

Item	Unit	Quantity
(1) Feeder wiring installation		
Wire & cable		
600 V 14 <sup>□</sup> - 2C	M	665
14 <sup>□</sup> - 4C	M	1,280
38 <sup>□</sup> - 3C	M	190
60 <sup>□</sup> - 3C	M	70
80 <sup>□</sup> - 3C	M	70
80 <sup>□</sup> - 4C	M	100
150 <sup>□</sup> - 4C	M	110
FP 14 <sup>□</sup> - 2C	M	310
Wiring duct		
300W x 200D x 3,300H	Pc.	1
300 x 300 x 200	Pcs.	2
300 x 300 x 1,200	Pcs.	2
300 x 500 x 200	Pcs.	2
300 x 500 x 3,000	Pc.	1
300 x 800 x 3,300	Pc.	1
Accessory for the above	Lot	1
Cable tray		
300W x 3,000L	Pcs.	160
Accessory for the above	Lot	1
Branch & bend for the above		
Horizontal L bend	Pcs.	17
T branch	Pcs.	13
Vertical Arise	Pcs.	2
down	Pcs.	2
Conduit pipe		
25 $\phi$ 3.66 M.L.	P s.	12
39 $\phi$ 3.66 M.L.	Pcs.	17
63 $\phi$ 3.66 M.L.	Pc.	1
75 $\phi$ 3.66 M.L.	Pcs.	5



Item	Unit	Quantity
82φ 3.66 M.L.	Pcs.	4
Accessory for the above	Lot	1
Fitting metal	Lot	1
Supporting material	Lot	1
Earthing material	Lot	1
Paint	Lot	1
Miscellaneous material	Lot	1
Labor		
Electrician	Lot	1
(2) Power wiring installation		
Wire & cable		
600 V CV 60 <sup>□</sup> - 4C	M	45
8 <sup>□</sup> - 4C	M	190
5.5 <sup>□</sup> - 4C	M	150
3.5 <sup>□</sup> - 4C	M	1,100
CVV 2 <sup>□</sup> - 3C	M	990
2 <sup>□</sup> - 4C	M	40
2 <sup>□</sup> - 5C	M	85
Conduit pipe		
25φ 3.66 M.L.	Pcs.	127
31φ 3.66 M.L.	Pcs.	22
39φ 3.66 M.L.	Pcs.	2
51φ 3.66 M.L.	Pcs.	2
63φ 3.66 M.L.	Pcs.	14
22φ 3.66 M.L.	Pcs.	6
Accessory for the above	Lot	1

Item	Unit	Quantity
Flexible tube with connector		
25ϕ 1 M.L.	Pcs.	22
31ϕ 1 M.L.	Pcs.	3
63ϕ 1 M.L.	Pcs.	2
Pull box		
100 x 100 x 100 (W.P.)	Pc.	1
150 x 100 x 100	Pc.	1
Power panel board		
M - 1	NO	1
M - 2	NO	1
Local switch box		
S - 1, 2, 3,	NO	3
S - 4, 5, 6,	NO	3
S - 7	NO	1
Supporting material	Lot	1
Earthing material	Lot	1
Miscellaneous material	Lot	1
Labor		
Electrician	Lot	1
(3) Earthing installation		
A) Lightning installation		
Wire		
IV 38 <sup>□</sup>	M	130
P.V.C. conduit pipe		
VP 28ϕ 4 M.L.	Pcs.	33
VP 36ϕ 4 M.L.	Pcs.	2
Accessory for the above	Lot	1

Item	Unit	Quantity
Circular surface box 3 way 28 $\phi$ Vinyl type	Pcs.	2
Pull box 150 x 150 x 150 W.P.	Pcs.	1
Earthing rod IV 22 $\square$ with lead 14 $\phi$ x 1,500 mm	Set	4
Earthing terminal box for 2 terminal	NO	1
Earthing material	Lot	1
Miscellaneous material	Lot	1
Labor Electrician	Lot	1
B) Earthing installation		
Wire		
IV 5.5 $\square$	M	125
22 $\square$	M	95
38 $\square$	M	80
100 $\square$	M	170
Conduit pipe		
19 $\phi$ 3.66 M.L.	Pcs.	5
25 $\phi$ 3.66 M.L.	Pcs.	1
Accessory for the above	Lot	1
P.V.C. conduit pipe		
VP 22 $\phi$ 4 M.L.	Pcs.	3
VP 28 $\phi$ 4 M.L.	Ps.	1

Item	Unit	Quantity
Accessory for the above	Lot	1
Earthing rod IV 22 <sup>□</sup> with read 14φ x 1,500 mm	Set	24
Earth terminal box 500 x 400 x 120	NO	2
Supporting material	Lot	1
Earthing material	Lot	1
Miscellaneous material	Lot	1
Labor Electrician	Lot	1
(4) Lighting & socket outlet installation		
(A)-1 Lighting fitting installation (indoor)		
Lighting fittings A1 type	NO	26
A2 type	NO	80
A3 type	NO	4
B type	NO	20
C type	NO	8
D type	NO	87
E1 type	NO	149
E2 type	NO	31
F1 type	NO	6
F2 type	NO	43
G1 type	NO	58
G2 type	NO	23
H1 type	NO	1
H2 type	NO	21
I type	NO	8

Item	Unit	Quantity
J3 type	NO	20
J2 type	NO	16
K2 type	NO	2
L type	NO	29
M type	NO	28
N type	NO	27
Q type	NO	23
R type	NO	40
U type	NO	26
V type	NO	10
Fitting metal for lighting fixture	Lot	1
Miscellaneous material	Lot	1
Labor		
Electrician	Lot	1
(A)-2 Lighting fitting installation (outdoor)		
Lighting fixture		
P1 type	NO	17
P2 type	NO	2
O type	NO	6
Paint	Lot	1
Miscellaneous material	Lot	1
Labor		
Electrician	Lot	1
Painter	Lot	1
(B)-1 Piping & wiring works (indoor)		
Wire & cable		
600 V CV 3.5 <sup>□</sup> - 3C	M	28

Item	Unit	Quantity
600 V VVF 1.6 mm - 3C	M	2,510
VVF 2.0 mm - 3C	M	220
VVF 1.6 mm - 2C	M	395
VVF 2.0 mm - 2C	M	165
FP 2.0 mm - 2C	M	600
IV 1.6 mm	M	6,980
IV 2.0 mm	M	2,710
Wiring duct		
200W x 100D x 8,000H	M	1
Accessory for the above	Lot	1
Cable trunking		
30 x 40 x 2t 4 M.L.	Pcs.	140
Accessory for the above	Lot	1
Junction box for the above		
Straight junction box (1 way)	Pc.	1
Junction box (elbow)	Pcs.	12
Straight junction box (2 way)	Pcs.	2
T junction box	Pcs.	13
Cross junction box	Pcs.	5
Conduit pipe		
19 $\phi$ 3.66 M.L.	Pcs.	622
25 $\phi$ 3.66 M.L.	Pcs.	470
31 $\phi$ 3.66 M.L.	Pcs.	15
Accessory for the above	Lot	1
PVC conduit pipe		
28 $\phi$ 4 M.L.	Pcs.	8
Accessory for the above	Lot	1
PVC bend		
28 $\phi$	Pcs.	2

Item	Unit	Quantity
Pull box		
150 x 150 x 100	Pcs.	20
Concrete box		
Octagonal type M	Pcs.	184
Outlet box		
M shallow	Pcs.	213
L deep	Pcs.	8
Circular surface box		
2 way 19	Pcs.	3
3 way 19	Pc.	1
4 way 19	Pc.	1
2 way 25	Pcs.	12
3 way 25	Pcs.	38
4 way 25	Pcs.	10
4 way 31	Pc.	1
Universal fitting		
19	Pcs.	4
25	Pcs.	25
Socket outlet		
230 V 2P E 5A	Pcs.	175
230 V 2P E 13A	Pc.	1
Switch		
Flash mounting 1P15A	Pcs.	24
"          2 gang	Pcs.	7
"          3 gang	Pcs.	17
"          4 gang	Pcs.	2
"          6 gang	Pcs.	2
"          7 gang	Pcs.	2
"          9 gang	Pc.	1
Flash 2 way	Pcs.	10
Flash 2 gang (2 way, 1P15A)	Pcs.	4

Item	Unit	Quantity
Flash 4 gang (2 way, 1P15A 3 gang)	Pcs.	2
Flash 1P15A with pilot lamp	Pcs.	9
Flash 2 gang (2 way x 2)	Pcs.	6
Flash 5 gang (2 way, 4 gang)	Pc.	1
Intermediate	Pc.	1
Photo switch 200 V 3A	Pc.	1
Isolator box (MCB box) 50 AF	Pcs.	2
50 AF with socket outlet 2P E 13A (WP)	Pc.	1
Box for control gear B.B. 1	NO	1
B.B. 2	NO	1
Lighting panel L-1-1	NO	1
L-1-2	NO	1
L-2	NO	1
L-3	NO	1
L-4	NO	1
L-5	NO	1
L-6	NO	1
Supporting material	Lot	1
Fitting metal	Lot	1
Earthing material	Lot	1
Paint	Lot	1
Miscellaneous material	Lot	1
Labor Electrician	Lot	1



Item	Unit	Quantity
(B)-2 Outdoor		
Cable		
600 V CV 5.5 <sup>□</sup> - 3C	M	165
600 V CV 14 <sup>□</sup> - 3C	M	1,165
600 V CV 3.5 <sup>□</sup> - 2C	M	450
Cable joint		
T 5.5 - 3C	Set	5
Conduit pipe		
28 $\phi$ 3.66 M.L.	Pcs.	9
36 $\phi$ 3.66 M.L.	Pcs.	26
Accessory for the above	Lot	1
Bend		
28 $\phi$	Pc.	1
36 $\phi$	Pcs.	3
P.V.C. conduit pipe		
28 $\phi$ 4 M.L.	Pcs.	276
36 $\phi$ 4 M.L.	Pcs.	89
Accessory for the above	Lot	1
P.V.C. bend		
28 $\phi$	Pcs.	34
36 $\phi$	Pcs.	3
Foundation for the above		
for P1	NO	17
for P2	NO	2
for O	NO	6
Hand hole		
A type	NO	9
B type	NO	9
Concrete tile		
300 x 500 x 36 t	Pcs.	190

Item	Unit	Quantity
Miscellaneous material	Lot	1
Labor		
Electrician	Lot	1
Common labor	Lot	1
(5) Telephone conduit installation		
Conduit pipe		
19ø 3.66 M.L.	Pcs.	55
25ø 3.66 M.L.	Pcs.	115
31ø 3.66 M.L.	Pcs.	45
39ø 3.66 M.L.	Pcs.	7
Accessory for the above	Lot	1
Outlet box		
M shallow	Pcs.	27
L deep	Pcs.	42
Telephone cord-outlets	Pcs.	27
Low tention	Pcs.	42
Main distribution frame	NO	1
Connector box	Pc.	1
Telephone terminal box		
T-1	NO	1
T-2	NO	1
T-3	NO	1
T-4	NO	1
T-5	NO	1
T-6	NO	1
T-7	NO	1
Supporting material	Lot	1
Earth material	Lot	1

Item	Unit	Quantity
Miscellaneous material	Lot	1
Labor Electrician	Lot	1
(6) T.V. conduit installation		
Conduit pipe 19ø 3.66 M.L. 25ø 3.66 M.L. 31ø 3.66 M.L.	Pcs. Pcs. Pcs.	75 75 30
Accessory for the above	Lot	1
Switch box	Pcs.	30
Junction box 140 x 110 x 40	Pcs.	2
Blind plate	Pcs.	30
Supporting material	Lot	1
Miscellaneous material	Lot	1
Labor Electrician	Lot	1
(7) Interphone installation		
Conduit pipe 25ø 3.66 M.L.	Pcs.	50
Accessory for the above	Lot	1
Outlet box M shallow	Pcs.	19
Blind plate	Pcs.	19
Supporting material	Lot	1

Item	Unit	Quantity
Miscellaneous material	Lot	1
Labor		
Electrician	Lot	1
(8) Clock conduit installation		
Cable		
CV 2 <sup>□</sup> - 2C	M	15
CVV-S 1.25 <sup>□</sup> - 2C	M	880
CVV-S 1.25 <sup>□</sup> - 3C	M	310
Conduit pipe		
25 $\phi$ 3.66 M.L.	Pcs.	200
Accessory for the above	Lot	1
Outlet box		
M shallow	Pcs.	45
Flexible tube with connector		
25 $\phi$ 1 M.L.	Set	7
Plug socket with plug		
2P	Pcs.	32
3P	Pcs.	13
Supporting material	Lot	1
Miscellaneous material	Lot	1
Labor		
Electrician	Lot	1
(9) Fire alarm system		
Wire & cable		
600 V CVV 2 <sup>□</sup> - 5C	M	110
OP 1.2 mm - 2C	M	150
1.2 mm - 4C	M	55

Item	Unit	Quantity
600 V IV 1.2 mm	M	4,100
IV 2.0 mm	M	50
HIV 1.2 mm	M	630
Conduit pipe		
19 $\phi$ 3.66 M.L.	Pcs.	230
25 $\phi$ 3.66 M.L.	Pcs.	125
31 $\phi$ 3.66 M.L.	Pcs.	4
Accessory for the above	Lot	1
Outlet box		
M shallow	Pcs.	110
Central fire alarm panel	Pc.	1
Indicator panel	Lot	1
Heat detector W.P.	Pcs.	109
Supporting material	Lot	1
Miscellaneous material	Lot	1
Labor		
Electrician	Lot	1
(10) Piping for studio		
Wire & cable		
IV 1.6 mm	M	510
Conduit pipe		
19 $\phi$ 3.66 M.L.	M	95
25 $\phi$ 3.66 M.L.	M	7
31 $\phi$ 3.66 M.L.	M	7
39 $\phi$ 3.66 M.L.	M	190
75 $\phi$ 3.66 M.L.	M	50
Accessory for the above	Lot	1

Item	Unit	Quantity
Wiring duct 500w x 200D x 7,000H	Pcs.	3
Outlet box M shallow	Pcs.	12
Flexible tube with connector 39ϕ 1 M.L.	Set	10
Molded circuit breaker 50 AF	Pcs.	1
Distribution board for studio B-1, B-2	NO	2
B-3, B-4, B-5, B-6	NO	4
Connector box Type A	Pcs.	2
Type A'	Pcs.	2
Type B	Pcs.	9
Type C	Pcs.	9
Plug socket box	Pcs.	13
Studio indicator Type S1	Pcs.	11
Type S2	Pcs.	2
Type T1	Pc.	1
Type T2	Pc.	1
Type T3	Pc.	1
Supporting material	Lot	1
Earthing material	Lot	1
Miscellaneous material	Lot	1
Labor Electrician	Lot	1

Item	Unit	Quantity
C-II Mt. Pidurutalagala electrical work		
(1) Earthing installation	LS	1
(2) Lighting & socket outlet installation	LS	1
A) Lighting fitting installation	LS	1
B) Piping & wiring works	LS	1
(3) Burglar alarm installation	LS	1
(4) Fire alarm system	LS	1

Item	Unit	Quantity
(1) Earthing installation		
Wire		
S.D.C. 22 <sup>□</sup>	M	1,360
P.V.C. conduit pipe		
28 $\phi$ 4 M.L.	Pcs.	7
Accessory for the above		
	Lot	1
Copper plate		
500 x 2,000 x 1t x 4	Set	1
Copper plate		
500 x 1,000 x 1t	Pcs.	8
Earthing rod		
IV 22 <sup>□</sup> with lead 14 $\phi$ x 1,500	Set	4
Teikaweld		
	Pcs.	400
Miscellaneous material		
	Lot	1
Labor		
Electrician	Lot	1
Common labor	Lot	1
(2) Lighting & socket outlet installation		
A) Lighting fitting installation		
Lighting fixture		
E1 type	NO	10
E2 "	NO	15
U "	NO	9
R "	NO	7
L "	NO	1
K2 "	NO	1
P1 "	NO	6
F1 "	NO	2



Item	Unit	Quantity
Fitting metal for lighting fixture	Lot	1
Miscellaneous material	Lot	1
Labor		
Electrician	Lot	1
Painter	Lot	1
 B) Piping & wiring works		
Wire & cable		
600 V CV     2 <sup>□</sup> - 3C	M	13
3.5 <sup>□</sup> - 3C	M	190
5.5 <sup>□</sup> - 3C	M	83
FP     2 <sup>□</sup> - 2C	M	60
IV     1.6 mm	M	935
IV     2.0 mm	M	900
CV     8 <sup>□</sup> - 4C	M	6
CVV    2 <sup>□</sup> - 8C	M	13
Wiring duct		
300 x 300	M	5
Accessory for the above	Lot	1
Cable tray		
300W x 3,000L	Pcs.	22
Accessory for the above	Lot	1
Conduit tube		
19 $\phi$ 3.660 M.L.	Pcs.	140
25 $\phi$ 3.660 M.L.	Pcs.	35
31 $\phi$ 3.660 M.L.	Pcs.	17
39 $\phi$ 3.660 M.L.	Pcs.	9
Accessory for the above	Lot	1

Item	Unit	Quantity
Outlet box		
M shallow	Pcs.	115
Circular surface box		
1 way 19ϕ	Pcs.	5
2 way 19ϕ	Pcs.	4
3 way 19ϕ	Pcs.	2
4 way 19ϕ	Pc.	1
Socket outlet		
230 V 2P E 5A x 1	Pcs.	19
230 V 3P E 13A x 1	Pcs.	3
Switch		
230 V 1P 15A x 1	Pcs.	17
Photo switch		
230 V 3A	Pcs.	1
Lighting panel	NO	1
Isolator box	Pcs.	1
Earth terminal box	NO.	1
Telephone terminal box without terminal	NO	1
Supporting material	Lot	1
Fitting metal	Lot	1
Earthing material	Lot	1
Paint	Lot	1
Miscellaneous material	Lot	1
Labor		
Electrician	Lot	1
Common labor	Lot	1

Item	Unit	Quantity
(3) Burglar alarm installation		
Wire & cable		
PVC 1.25 <sup>□</sup> - 2C	M	240
IV 1.6 mm	M	16
Conduit pipe		
19φ 3.66 M.L.	Pcs.	47
Accessory for the above	Lot	1
P.V.C. trunking 2,000 M.L.	Pcs.	25
Outlet box		
M shallow	Pcs.	8
Magnet switch	Pcs.	27
Key switch	Pc.	1
Control panel	NO	1
Flexible tube joint	Set	1
Supporting material	Lot	1
Miscellaneous material	Lot	1
Labor		
Electrician	Lot	1
(4) Fire alarm system		
Wire		
IV 1.2 mm	M	120
Conduit tube		
19φ 3.66 M.L.	Pcs.	17
25φ 3.66 M.L.	Pc.	1
Accessory for the above	Lot	1
Outlet box		
M shallow	Pcs.	7

Item	Unit	Quantity
Heat detector	Pcs.	7
Indicator panel	NO	1
Supporting material	Lot	1
Miscellaneous material	Lot	1
Labor		
Electrician	Lot	1

Item	Unit	Quantity
C-III Kokavil electrical work		
(1) Earthing installaion	LS	1
(2) Lighting & socket outlet installation	LS	1
A) Lighting fitting installation	LS	1
B) Piping & wiring works	LS	1

Item	Unit	Quantity
(1) Earthing installation		
Wire		
S.D.C. 22 <sup>□</sup>	M	1,550
P.V.C. conduit pipe		
28 $\phi$ 4 M.L.	Pcs.	3
Accessory for the above	Lot	1
Copper plate		
500 x 2,000 x 1t x 4	Set	1
Earthing rod		
IV 22 <sup>□</sup> with lead	Pcs.	4
14 $\phi$ x 1,500 mm		
Teikaweld	Pcs.	300
Miscellaneous material	Lot	1
Labor		
Electrician	Lot	1
Common labor	Lot	1
(2) Lighting & socket outlet installation		
(A) Lighting fitting installation		
Lighting fixture		
E1 type	NO	26
E2 "	NO	8
U "	NO	9
R "	NO	6
L "	NO	2
K2 "	NO	4
P1 "	NO	9
F1 "	NO	2
F2 "	NO	15

Item	Unit	Quantity
Fitting metal for lighting fixture	Lot	1
Miscellaneous material	Lot	1
Labor		
Electrician	Lot	1
Painter	Lot	1
(B) Piping & wiring works		
Wire & cable		
600 V CV 2 <sup>□</sup> - 3C	M	15
3.5 <sup>□</sup> - 3C	M	230
5.5 <sup>□</sup> - 3C	M	165
5.5 <sup>□</sup> - 4C	M	150
8 <sup>□</sup> - 3C	M	165
8 <sup>□</sup> - 4C	M	15
14 <sup>□</sup> - 3C	M	265
IV 1.6 mm	M	1,780
2.0 mm	M	940
FP 2 <sup>□</sup> - 2C	M	75
Wiring duct		
300 x 300	M	6
Accessory for the above	Lot	1
Cable tray		
300W x 3,000L	Pcs.	22
Accessory for the above	Lot	1
Conduit pipe		
19 $\phi$ 3.66 M.L.	Pcs.	65
25 $\phi$ 3.66 M.L.	Pcs.	10
31 $\phi$ 3.66 M.L.	Pcs.	8
51 $\phi$ 3.66 M.L.	Pcs.	7

Item	Unit	Quantity
Accessory for the above	Lot	1
P.V.C. conduit pipe		
28φ 4 M.L.	Pcs.	45
36φ 4 M.L.	Pcs.	15
54φ 4 M.L.	Pcs.	6
Accessory for the above	Lot	1
Bend		
31φ	Pcs.	8
51φ	Pcs.	14
P.V.C. Bend		
36φ	Pcs.	4
54φ	Pc.	1
Outlet box		
M shallow	Pcs.	94
Circular surface box		
1 way 19φ	Pcs.	5
2 way 19φ	Pcs.	4
3 way 19φ	Pcs.	3
4 way 19φ	Pc.	1
Socket outlet		
230 V 2P E 5A x 1	Pcs.	23
Switch		
230 V 1P 15A x 1	Pcs.	36
230 V 2 way 15A x 1	Pcs	6
Photo switch		
230 V 3A	Pcs.	1
Lighting panel		
L-K-1	NO	1
L-K-2	NO	1



Item	Unit	Quantity
Isolator box	Pc.	1
Earth terminal box	NO	1
Telephone terminal box 20P without terminal	NO	1
Manhole 600 x 600 x 800	Pcs.	10
Supporting material	Lot	1
Fitting metal	Lot	1
Earthing material	Lot	1
Paint	Lot	1
Micellaneous material	Lot	1
Labor		
Electrician	Lot	1
Common labor	Lot	1

Item	Unit	Quantity
C-IV Kandy electrical work		
(1) Earthing installation	LS	1
(2) Lighting & socket outlet installation	LS	1
(A) Lighting fitting installation	LS	1
(B) Piping & wiring works	LS	1

Item	Unit	Quantity
(1) Earthing installation		
Wire S.D.C. 22 <sup>□</sup>	M	400
P.V.C. conduit pipe 28 $\phi$ 4 M.L.	Pcs.	3
Accessory for the above	Lot	1
Copper plate 500 x 2,000 x 1t x 4	Set	1
Copper plate 500 x 1,000 x 1t x 2	Set	8
Earthing rod IV 22 <sup>□</sup> with lead 14 $\phi$ x 1,500 mm	Set	4
Teikaweld	Pcs.	90
Miscellaneous material	Lot	1
Labor		
Electrician	Lot	1
Common labor	Lot	1
(2) Lighting & socket outlet installation		
(A) Lighting fitting installation		
Lighting fixture		
E1 type	NO	6
L "	NO	1
K2 "	NO	1
P3 "	NO	4
Fitting metal for lighting fixture	Lot	1
Miscellaneous material	Lot	1

Item	Unit	Quantity
Labor		
Electrician	Lot	1
Painter	Lot	1
(B) Piping & wiring works		
Wire & cable		
600 V CV 5.5 <sup>□</sup> - 2C	M	13
3.5 <sup>□</sup> - 3C	M	82
5.5 <sup>□</sup> - 3C	M	66
IV 1.6 mm	M	250
IV 2.0 mm	M	220
Wiring duct		
300 x 300	M	6
Accessory for the above	Lot	1
Cable toray		
300W x 3,000L	Pcs.	4
Accessory for the above	Lot	1
Conduit pipe		
19 $\phi$ 3.66 M.L.	Pcs.	11
25 $\phi$ 3.66 M.L.	Pcs.	24
31 $\phi$ 3.66 M.L.	Pcs.	2
Accessory for the above	Lot	1
P.V.C. conduit pipe		
28 $\phi$ 4 M.L.	Pcs.	33
36 $\phi$ 4 M.L.	Pcs.	3
Accessory for the above	Lot	1
Outlet box		
M shallow	Pcs.	32

Item	Unit	Quantity
Socket outlet 230 V 2P E 5A x 1	Pcs.	7
Switch 230 V 1P 15A x 1	Pcs.	10
230 V 3 way 15A x 1	Pcs.	2
Photo switch 230 V 3A	Pc.	1
Lighting panel L-C	NO	1
Earth terminal box	NO	1
Handhole 600 x 600 x 800	Pc.	1
Supporting material	Lot	1
Fitting metal	Lot	1
Earthing material	Lot	1
Paint	Lot	1
Micellaneous material	Lot	1
Labor Electrician Common labor	Lot Lot	1 1

Item	Unit	Quantity
C-V Madukanda electrical work		
(1) Earthing installation	LS	1
(2) Lighting & socket outlet installation	LS	1
(A) Lighting fitting installation	LS	1
(B) Piping & wiring installation	LS	1

Item	Unit	Quantity
(1) Earthing installation		
Wire		
S.D.C. 22 <sup>□</sup>	M	240
P.V.C. conduit pipe		
28ϕ 4 M.L.	Pcs.	3
Accessory for the above	Lot	1
Copper plate		
500 x 2,000 x 1t x 4	Set	1
Copper plate		
500 x 1,000 x 1t x 2	Set	8
Teikaweld	Pcs.	70
Miscellaneous material	Lot	1
Labor		
Electrician	Lot	1
Common labor	Lot	1
(2) Lighting & socket outlet installation		
(A) Lighting fitting installation		
Lighting fixture		
E Type	NO	6
L "	NO	1
K2 "	NO	1
P3 "	NO	4
Fitting metal for lighting fixture	Lot	1
Miscellaneous material	Lot	1
Labor		
Electrician	Lot	1
Painter	Lot	1

Item	Unit	Quantity
(B) Piping & wiring installation		
Wire & cable		
600 V CV 3.5 <sup>□</sup> x 3C	M.	80
5.5 <sup>□</sup> x 3C	M	70
5.5 <sup>□</sup> x 2C	M	13
IV 2.0 mm	M	215
1.6 mm	M	250
Wiring duct		
300 x 300	M	6
Accessory for the above	Lot	1
Cable tray		
300W x 3,000L	Pcs.	4
Accessory for the above	Lot	1
Conduit pipe		
19 $\phi$ 3.66 M.L.	Pcs.	11
25 $\phi$ 3.66 M.L.	Pcs.	24
31 $\phi$ 3.66 M.L.	Pcs.	2
Accessory for the above	Lot	1
P.V.C. conduit pipe		
28 $\phi$ 4 M.L.	Pcs.	33
36 $\phi$ 4 M.L.	Pcs.	3
Accessory for the above	Lot	1
Outlet box		
M shallow	Pcs.	32
Socket outlet		
230 V 2P-E 5A x 1	Pcs.	7
Switch		
230 V 1P 15A x 1	Pcs.	10
230 V 3 way 15A x 1	Pcs.	2



Item	Unit	Quantity
Photo switch 230 V 3A	Pcs.	1
Lighting panel L-M	NO.	1
Earth terminal box	NO	1
Handhole 600 x 600 x 800	Pcs	1
Supporting material	Lot	1
Fitting metal	Lot	1
Earthing material	Lot	1
Paint	Lot	1
Miscellaneous material	Lot	1
Labor		
Electrician	Lot	1
Common labor	Lot	1

Item	Unit	Quantity
D. Plumbing work		
D-I Colombo	LS	1
D-II Mt. pidurutalagala	LS	1
D-III Kokavil	LS	1
D-IV Kandy	LS	1
D-V Madukanda	LS	1

Item	Unit	Quantity
D-I Colombo plumbing work		
(1) Water supply system (Materials) (Labor)	LS	1
(2) Hot water supply system	LS	1
(3) Drainage and vent work	LS	1
(4) Sanitary fixture work	LS	1
(5) Fire hydrant system	LS	1
(6) Gas installation work	LS	1

Item	Unit	Quantity
D-I Colombo plumbing work		
(1) Water supply system		
Materials		
Water storage tank 7,000 L(FRP) 2,000H x 2,000W x 2,000L 200H	Set	1
Feed-up water pump 50φ x 240 L/mm x 3M 3φ, 400V 2.2 KW	Unit	2
Painting materials	Lot	1
P.V.C. lined steel pipe		
20A	M	268
25	M	38
32	M	43
40	M	250
50	M	184
65	M	154
80	M	107
100	M	82
Fittings for ditto	Lot	1
Support and hanger	Lot	1
Gate valve (5k)		
20A	Pcs.	4
40	Pcs.	4
50	Pcs.	7
65	Pcs.	2
100	Pc.	1
Gate valve (10K)		
40A	Pcs.	4

Item	Unit	Quantity
Check valve		
40A	Pc.	1
50	Pcs.	2
Flixible joints		
50A	Pcs.	4
80	Pc.	1
100	Pc.	1
Water meter		
40A	Pc.	1
Valve box		
40A	Pcs.	2
Float valve		
20A	Pc.	1
40	Pc.	1
Anti insects net		
50A	Pc.	1
100	Pcs.	2
Insulation materials	Lot	1
Painting materials	Lot	1
Miscellaneous materials	Lot	1
Sleev and insert materials	Lot	1
Chipping materials	Lot	1
Labor cost		
Painting work	Lot	1
Transport and installation for equipment	Lot	1
Piping labor cost	Lot	1
Fixture installation	Lot	1
Insulation work	Lot	1

Item	Unit	Quantity
Painting work	Lot	1
Excavating and back filling	Lot	1
Sleeve installation work	Lot	1
Chipping and making good	Lot	1
Test	Lot	1
Transportation	Lot	1
(2) Hotwater supply system		
Materials		
Gas boiler	Unit	1
50,000 kcal/M 500L 30M		
Gas input rating		
141 M <sup>3</sup> /H (5,000 kcal/M <sup>3</sup> )		
3φ 400 V 0.14 kw		
Hotwater supply pump	Unit	1
32φ x 50 L/min x 3M		
3φ 400V 0.25 kw		
Smoke duct	Lot	1
Insulation materials	Lot	1
Painting materials	Lot	1
Copper pipe		
20A	M	72
25	M	130
32	M	49
40	M	93
Fittings for ditto	Lot	1
Support and hanger	Lot	1

Item	Unit	Quantity
Gate valve (5k)		
20A	NO	2
25	NO	1
32	NO	2
40	NO	2
Check valve		
32A	NO	1
Pressure relief valve		
40A	NO	1
Automatic air reack valve		
20A	NO	2
Flexible joint		
25A	NO	1
40	NO	1
Insulation materials	Lot	1
Painting materials	Lot	1
Miscellaneous materials	Lot	1
Sleeve and inserts materials	Lot	1
Chipping materials	Lot	1
Labor cost		
Smoke duct	Lot	1
Insulation work	Lot	1
Painting work	Lot	1
Transport and installation for equipment	Lot	1
Piping labor cost	Lot	1
Fixture installation	Lot	1
Insulation work	Lot	1

Item	Unit	Quantity
Painting work	Lot	1
Sleeve and insert work	Lot	1
Chipping and making good	Lot	1
Test	Lot	1
Transportation	Lot	1
(3) Drainage and vent work		
Materials		
Galvanized steel pipe for drainage		
32A	M	6
40	M	23
50	M	117
65	M	23
80	M	43
100	M	43
Fittings for ditto	Lot	1
Support and hanger	Lot	1
Galvanized steel pipe for vent		
40A	M	4
50	M	6
65	M	41
80	M	5
100	M	6
Fittings for ditto	Lot	1
Support and hanger	Lot	1
Cast iron pipe mechanical joint type		
75A x 300L	Pcs.	2
75A x 600	Pcs.	2
75A x 1,600	Pcs.	2



Item	Unit	Quantity
75A x 400L	Pcs.	2
75A x 600	Pcs.	5
100A x 800	Pcs.	2
100A x 1,000	Pcs.	5
100A x 1,600	Pcs.	4
100A x 2,350	Pc.	1
Fittings for ditto		
90°LB 100A	Pc.	1
90°SB 75	Pcs.	3
100	Pcs.	4
45° B 75	Pcs.	2
Y 75A x 75A	Pc.	1
100 x 75	Pc.	1
TY 100 x 75	Pc.	1
100 x 100	Pcs.	4
LY 75 x 40	Pcs.	5
100 x 75	Pcs.	7
LTY 75 x 40	Pcs.	3
100 x 75	Pcs.	2
ST 75 x 50	Pcs.	2
100 x 75	Pcs.	2
GS 50A x 50A	Pcs.	2
75 x 65	Pcs.	2
75 x 75	Pcs.	3
100 x 100	Pcs.	5
Connecting materials for ditto	Lot	1
Supporters for ditto	Lot	1
Supporters for ditto	Lot	1
Lead pipe		
30A	M	30
40	M	15

Item	Unit	Quantity
65A	M	3
75	M	11
Connecting materials for ditto	Lot	1
Support for ditto	Lot	1
Concrete pipe		
100A	Pcs.	258
125	Pcs.	117
150	Pcs.	51
200	Pcs.	60
250	Pcs.	8
Connecting materials for ditto	Lot	1
Clean out		
COA 50A	NO	6
65	NO	2
75	NO	4
100	NO	2
COB 40A	NO	2
50	NO	1
65	NO	1
75	NO	2
100	NO	2
Floor drain		
T-5A 50A	NO	7
T-5B 50A	NO	3
Drain fitting for sink		
T-14A 40A	NO	2
Gasoline trap (concrete type)		
1,500 x 1,000 x 1,000	NO	1

Item	Unit	Quantity
Vent cap		
Buried type		
65A	NO	2
100A	NO	1
Type		
40A	NO	1
Soil water catch basin with cover		
360	NO	3
450	NO	1
600	NO	7
750	NO	1
Catch basin with cover		
450	NO	1
500	NO	3
600	NO	3
Catch basin with cover		
300	NO	1
Storm drainage basin with grating		
300	NO	14
360	NO	11
450	NO	6
500	NO	7
600	NO	8
750	NO	14
Storm drainage basin with cover		
750	NO	2
Manhole cover		
300ϕ	NO	2
450ϕ	NO	3
Insulation materials	Lot	1

Item	Unit	Quantity
Painting materials	Lot	1
Miscellaneous materials	Lot	1
Sleeve and insert materials	Lot	1
Chipping materials	Lot	1
Labor cost		
Piping labor cost	Lot	1
Fixture installation	Lot	1
Insulation work	Lot	1
Painting work	Lot	1
Installation for catch basins	Lot	1
Excavating and back filling	Lot	1
Sleeve and insert work	Lot	1
Chipping and making good	Lot	1
Test	Lot	1
Transportation	Lot	1
(4) Sanitary fixture work		
Materials		
Western water closet		
C-14 (TV-150NL)	Set	9
Urinal U-57 (T-60P)	Set	8
Lavatory basin		
L-220V	Set	10
L-221	Set	6
L-5B	Set	1
Slop sink		
SK-22A	Set	2

Item	Unit	Quantity
Lavatory shelve		
TS-119AS-20	NO	16
TS-119AS-5	NO	17
TS-119F-5	NO	2
Shower set		
TBB-41F	Set	4
Faucet		
T-26B-13	NO	2
T-130AR-13	NO	3
T-27-13 (box)	NO	3
T-28-13	NO	1
Miscellaneous materials	Lot	1
Sleeve materials	Lot	1
Labor cost		
Fixture installation	Lot	1
Sleeve work	Lot	1
Chipping and making good	Lot	1
Adjusting work	Lot	1
Transportation	Lot	1
(5) Fire hydrant system		
Materials		
Fire pump	Set	1
80φ x 650 L/min x 49M		
3φ 400V 11 kw		
Compression tank	Unit	1
100L 600 x 400 x 500H		
Painting materials	Lot	1

Item	Unit	Quantity
Galvanized steel pipe		
25A	M	3
40	M	108
50	M	129
65	M	80
80	M	56
Fittings for ditto	Lot	1
Supporters for ditto	Lot	1
Gate valve		
25A	Pc.	1
50	Pc.	1
100A	Pcs.	2
Check valve		
25A	Pc.	1
50	Pc.	1
100	Pc.	1
Flexible joint		
50A	Pcs.	2
80	Pc.	1
Fire hydrant		
Exposed	Set	2
Closed	Set	5
Insulation materials	Lot	1
Painting materials	Lot	1
Miscellaneous materials	Lot	1
Sleeve and insert materials	Lot	1
Chipping materials	Lot	1
Laborcost		
Painting work	Lot	1

Item	Unit	Quantity
Transport and installation work	Lot	1
Piping labor cost	Lot	1
Fixture installation	Lot	1
Insullation work	Lot	1
Painting work	Lot	1
Sleeve and insert work	Lot	1
Chipping and making good	Lot	1
Test	Lot	1
Transportation	Lot	1
(6) Gas installation work		
Materials		
Galvanized steel pipe		
20A	M	80
25	M	108
40	M	16
50	M	31
80	M	200
Fitting for ditto	Lot	1
Support and hanger	Lot	1
Gas cock		
20A	Pc.	1
50	Pcs.	2
80	Pcs.	3
Hose cock		
10A	Pcs.	2
Gas meter		
80A	Pc.	1

Item	Unit	Quantity
Painting materials	Lot	1
Miscellaneous materials	Lot	1
Sleeve and insert materials	Lot	1
Chipping materials	Lot	1
Labor cost		
Piping labor cost	Lot	1
Fixture installation	Lot	1
Painting work	Lot	1
Excavating and back filling	Lot	1
Sleeve and insert work	Lot	1
Chipping work	Lot	1
Test	Lot	1
Transportation	Lot	1



Item	Unit	Quantity
D-II Mt. pidurutalagala plumbing work		
(1) Water supply system (Materials) (Labor)	LS	1
(2) Drainage and vent work	LS	1
(3) Sanitary fixture work	LS	1

Item	Unit	Quantity
D-II Mt. pidurutalagala plumbing work		
(1) Water supply work		
Materials		
Water reservoir 800L (FRP) 1,000M x 1,000W x 1,000L	Set	2
P.V.C. pipe		
20A	M	8
25	M	7
100	M	8
Fitting for ditto	Lot	1
Support and hanger	Lot	1
Gate valve		
25A	Pc.	1
Anti insect net		
100A	Pc.	1
Painting materials	Lot	1
Miscellaneous materials	Lot	1
Sleeve and inserts	Lot	1
Chipping materials	Lot	1
Lobor cost		
Transport and installing for equipment	Lot	1
Piping labor cost	Lot	1
Fixture installation	Lot	1
Painting work	Lot	1

Item	Unit	Quantity
Excavating and back filling	Lot	1
Sleeve and insert work	Lot	1
Chipping and making good	Lot	1
Test	Lot	1
Transportation	Lot	1
(2) Drainage and vent piping work		
Materials		
Septic tank 1,000L	Set	1
Soak tank 1,500L	Set	1
P.V.C. pipe 40A 50 100	M M M	1 9 6
Fitting for ditto	Lot	1
Lead pipe 75A	M	1
Connecting materials for ditto	Lot	1
Clean out COA 50A 100	Pc. Pc.	1 1
Drain fitting for sink T-14A 40A	Pc.	1
Miscellaneous materials	Lot	1
Sleeve and insert materials	Lot	1
Chipping materials	Lot	1

Item	Unit	Quantity
Labor cost		
Construction for septic tank	Lot	1
Construction for soak tank	Lot	1
Piping labor cost	Lot	1
Installation for equipment	Lot	1
Excavating and back filling	Lot	1
Sleeve and insert work	Lot	1
Chipping and making good	Lot	1
Test	Lot	1
Transportation	Lot	1
 (3) Sanitary fixture work		
Materials		
Water closet		
C-14 (T-670S)	Set	1
Fauset		
T-22B-13	NO	2
Miscellaneous materials	Lot	1
Sleeve and protection materials	Lot	1
Labor cost		
Installation for equipment	Lot	1
Sleeve work	Lot	1
Chipping and making good	Lot	1
Adjusting work	Lot	1
Transportation	Lot	1

Item	Unit	Quantity
D-III Kokavil plumbing work		
(1) Water supply work (Materials) (Labor)	LS	1
(2) Drainage and vent work	LS	1
(3) Sanitary fixture work	LS	1

Item	Unit	Quantity
D-III Kokavil plumbing work		
(1) Water supply work		
Materials		
Water reservoir tank 800L (FRP) 1,000M x 1,000W x 1,000L	Set	4
P.V.C. pipes		
20A	M	13
25	M	19
100	M	12
Fittings for ditto	Lot	1
Support and hanger	Lot	1
Gate valve		
25A	NO	2
Anti insects net		
100A	NO	2
Painting materials	Lot	1
Miscellaneous materials	Lot	1
Sleeve insert materials	Lot	1
Chipping materials	Lot	1
Labor cost		
Transport and installation for equipment	Lot	1
Piping labor cost	Lot	1
Fixture installation	Lot	1
Painting work	Lot	1

Item	Unit	Quantity
Excavating and back filling	Lot	1
Sleeve and insert work	Lot	1
Chipping and repairing	Lot	1
Test	Lot	1
Transportation	Lot	1
(2) Drainage and vent piping work		
Materials		
Septic tank 1,000L	NO	2
Soak tank 1,500L	NO	2
P.V.C. pipe 40A	M	2
50	M	27
75	M	22
100	M	10
Fittings for ditto	Lot	1
Lead pipe 75A	M	2
Connecting materials for ditto	Lot	1
Clean out COA 50A	NO	2
100	NO	2
Floor drain on the floor T-5A 50A	NO	1
Trap for sink T-14A 40A	NO	2

Item	Unit	Quantity
Soil basin with manhole 300	Pcs.	3
Miscellaneous materials	Lot	1
Sleeve and insert materials	Lot	1
Chipping and repairing materials	Lot	1
Labor cost		
Construction for septic tank	Lot	1
Construction for soak tank	Lot	1
Piping labor cost	Lot	1
Fixture installation	Lot	1
Catch basin	Lot	1
Excavating and back filling	Lot	1
Sleeves and inserts work	Lot	1
Chipping and making good	Lot	1
Test	Lot	1
Transportation	Lot	1
(3) Sanitary fixture work		
Materials		
Water closet		
C-14 (T-670S)	Set	2
Fauset		
T-23B-13	NO	3
Miscellaneous materials	Lot	1
Sleeve and protection work	Lot	1



Item	Unit	Quantity
Labor cost		
Fixture installation	Lot	1
Sleeve work	Lot	1
Making good	Lot	1
Test	Lot	1
Transportation	Lot	1

Item	Unit	Quantity
D-IV Kandy plumbing work		
(1) Water supply work (Materials) (Labor)	LS	1
(2) Drainage and vent work	LS	1
(3) Sanitary fixture work	LS	1

Item	Unit	Quantity
D-IV Kandy plumbing work		
(1) Water supply work		
Materials		
Water reservoir tank 800L (FRP) 1,000M x 1,000W x 1,000L	Set	2
P.V.C. pipe 20A	M	6
25	M	9
100	M	8
Fittings for ditto	Lot	1
Support and hanger	Lot	1
Gate valve 25A	NO	1
Anti insect net 100A	NO	1
Painting materials	Lot	1
Miscellaneous materials	Lot	1
Sleeve and insert materials	Lot	1
Chipping and repairing materials	Lot	1
Labor cost		
Transport and installation for equipment	Lot	1
Piping labor cost	Lot	1
Fixture installation	Lot	1
Painting work	Lot	1
Excavating and back filling work	Lot	1
Sleeve and inserts work	Lot	1

Item	Unit	Quantity
Chipping and making good	Lot	1
Test	Lot	1
Transportation	Lot	1
(2) Drainage and vent work		
Materials		
Septic tank 1,000L	Set	1
Soak tank 1,500L	Set	1
P.V.C. pipe 100A	M	4
Fittings for ditto	Lot	1
Lead pipe 75A	M	1
Connecting materials for ditto	Lot	1
Clean out COA 100A	NO	1
Miscellaneous materials	Lot	1
Sleeve and inserts materials	Lot	1
Chipping materials	Lot	1
Labor cost		
Construction for septic tank	Lot	1
Construction for soak tank	Lot	1
Piping labor cost	Lot	1
Fixture installation	Lot	1

Item	Unit	Quantity
Excavating and back filling work	Lot	1
Sleeve and inserts work	Lot	1
Chipping and making good	Lot	1
Test	Lot	1
Transportation	Lot	1
(3) Sanitary fixture work		
Materials		
Water closet		
C-14 (T-670S)	Set	1
Fauset		
T-23B-13	Set	1
Miscellaneous materials	Lot	1
Sleeve materials	Lot	1
Labor cost		
Fixture installation	Lot	1
Sleeve and protection work	Lot	1
Chipping and making good	Lot	1
Adjusting work	Lot	1
Transportation	Lot	1

Item	Unit	Quantity
D-V Madukanda plumbing work		
(1) Water supply work (Materials) (Labor)	LS	1
(2) Drainage and vent work	LS	1
(3) Sanitary fixture work	LS	1

Item	Unit	Quantity
D-V Madukanda plumbing work		
(1) Water supply work		
Materials		
Water reservoir tank 800L (FRP) 1,000M x 1,000W x 1,000L	Set	2
P.V.C. pipe 20A	M	6
25	M	9
100	M	8
Fitting for ditto	Lot	1
Support and hanger	Lot	1
Gate valve 25A	NO	1
Anti insects net 100A	NO	1
Painting materials	Lot	1
Miscellaneous materials	Lot	1
Sleeve and inserts materials	Lot	1
Chipping materials	Lot	1
Labor cost		
Transport and installing for equipment	Lot	1
Piping labor cost	Lot	1
Fixture installation	Lot	1
Painting work	Lot	1
Excavating and back filling work	Lot	1

Item	Unit	Quantity
Sleeve and insert	Lot	1
Chipping and making good	Lot	1
Test	Lot	1
Transportation	Lot	1
(2) Drainage and vent piping work		
Materials		
Septic tank 1,000L	Set	1
Soak tank 1,500L	Set	1
P.V.C. pipe 100A	M	4
Fittings for ditto	Lot	1
Lead pipe 75A	M	1
Connecting materials for ditto	Lot	1
Clean out COA 100A	NO	1
Miscellaneous materials	Lot	1
Sleeve and insert materials	Lot	1
Chipping materials	Lot	1
Labor cost		
Construction for septic tank	Lot	1
Construction for soak tank	Lot	1
Piping labor cost	Lot	1



Item	Unit	Quantity
Installation for equipment	Lot	1
Excavating and back filling work	Lot	1
Sleeve and inserts work	Lot	1
Chipping and making good	Lot	1
Test	Lot	1
Transportation	Lot	1
(3) Sanitary fixture work		
Materials		
Water closet		
C-14 (T-670S)	Set	1
Fauset		
T-23B-13	NO	1
Miscellaneous materials	Lot	1
Sleeve materials	Lot	1
Labor cost		
Installation for sanitary fixture	Lot	1
Sleeve work	Lot	1
Chipping and making good	Lot	1
Adjusting work	Lot	1
Transportation	Lot	1

Item	Unit	Quantity
E. Air conditioning work		
E-I Colombo (Materials) (Labor)	Lot	1
E-II Mt. pidurutalagala	Lot	1
E-III Kokavil	Lot	1
E-IV Kandy	Lot	1
E-V Madukanda	Lot	1

Item	Unit	Quantity
E-1 Colombo air conditioning work		
(1) Air conditioning equipment work <div style="text-align: right; margin-right: 20px;">(Materials) (Labor)</div>	Lot	1
(2) Air conditioning duct work	Lot	1
(3) Chilled water piping work	Lot	1
(4) Condensing water piping work	Lot	1
(5) Drainage piping work	Lot	1
(6) Water supply piping work	Lot	1
(7) Vent piping work	Lot	1
(8) Ventilating equipment installation	Lot	1
(9) Ventilating duct work	Lot	1
(10) Oil storage tank installation work	Lot	1
(11) Automatic controlling work	Lot	1

Item	Unit	Quantity
E-I Colombo air conditioning work		
(1) Air conditioning equipment work		
Materials		
R-1 Chilling unit 50 <sup>USRT</sup> , 55kw x 3φ x 400V Cooling water: 504L/min 6~11°C Chilled water: 780L/min 32~37°C Refrigerant: R-22 Oil: Suniso 4GS	Unit	1
R-2 Chilling unit 50 <sup>USRT</sup> , 55kw x 3φ x 400V Cooling water: 504L/min 6~11°C Chilled water: 780L/min 32~37°C Refrigerant: R-22 (CHCLF2) Oil: Suniso 4GS	Unit	1
CT-1 Cooling tower 50 <sup>USRT</sup> 1.5kw x 3φ x 400V Chilled water: 780L/min 32~37°C Inlet condition: 33°CDB 28.3°CWB Low noise type	Unit	1
CT-2 Cooling tower 50 <sup>USRT</sup> 1.5kw x 3φ x 400V Chilled water: 780L/min 32~37°C Inlet condition: 33°CDB 28.3°CWB Low noise type:	Unit	1
P-1 Chilled water pump 80φ x 550L/min x 20mAg x 3.7kw x 3φ x 400V Chilled water temp: 6°C Back pressure: -3mAg	Unit	1
P-2 Chilled water pump 80φ x 550L/min x 20mAg x 3.7kw x 3φ x 400V Chilled water temp: 6°C Back pressure: -3mAg	Unit	1

Item	Unit	Quantity
P-3 Condensing water pump 100φ x 860L/min x 20mAg x 5.5kw x 3φ x 400V Cooling water temp: 37°C Back pressure: -2mAg	Unit	1
P-4 Condensing water pump 100φ x 860L/min x 20mAg x 5.5kw x 3φ x 400V Cooling water temp: 37°C Back pressure: -2mAg	Unit	1
P-5A P-5B Chilled water pump 65φ x 280L/min x 35mAg x 3.7kw x 3φ x 400V Chilled water temp: 6°C Back pressure: -3mAg	Unit	2
P-6A P-6B Chilled water pump 65φ x 280L/min x 35mAg x 3.7kw x 3φ x 400V Cooling water temp: 6°C Back pressure: -3mAg	Unit	2
AC-1 Air handling unit (for No.1 studio) 28,200m <sup>3</sup> /H x 74mmAg x 15kw x 3φ x 400V Cooling capacity: 127,600 kcal/H Chilled water flow: 355L/min 7~13°C Flat filter: 30,000m <sup>3</sup> /H V=2.5m/SEC	Unit	1
AC-2 Air handling unit (for No.2 studio) 20,300m <sup>3</sup> /H x 72mmAg x 11kw x 3φ x 400V Cooling capacity: 87,700 kcal/H Chilled water flow: 244L/min 7~13°C Flat filter: 21,600m <sup>3</sup> /H V=2.5m/SEC With ruber	Unit	1





Item	Unit	Quantity
Labor cost		
Foundation work	Lot	1
Transport and installation for equipment	Lot	1
Insulation work	Lot	1
Painting work	Lot	1
Test	Lot	1
Transportation	Lot	1
(2) Air conditioning duct work		
Materials		
Galvanized steel sheet		
#24 0.6 mm	SM	1,167
#22 0.8 mm	SM	2,047
#20 1.0 mm	SM	109
Diffusers and intakes		
Nozzle 700φ	Pcs.	10
P.C.		
#30	Pcs.	31
#25	Pcs.	6
VHS		
550 x 350	Pc.	1
300 x 200	Pcs.	2
H		
1300 x 1500	Pcs.	2
1200 x 1200	Pcs.	4
700 x 700	Pc.	1
900 x 700	Pcs.	2
800 x 600	Pc.	1



Item	Unit	Quantity
650 x 450	Pcs.	4
600 x 600	Pcs.	2
550 x 350	Pc.	1
500 x 500	Pcs.	2
500 x 200	Pc.	1
300 x 300	Pcs.	4
Noise absorption chamber (with glass fiber fabric 50 thick)		
1800 x 1500 x 750	Pcs.	2
1400 x 1400 x 700	Pcs.	4
1100 x 1100 x 500	Pc.	1
1100 x 900 x 600	Pcs.	2
1000 x 800 x 550	Pc.	1
900 x 900 x 600	Pcs.	10
850 x 650 x 500	Pcs.	4
800 x 800 x 600	Pcs.	31
800 x 800 x 500	Pcs.	2
500 x 500 x 500	Pcs.	4
Noise absorption Elbow (with glass fiber fabric 50 thick)		
1100 x 1000	Pcs.	11
950 x 900	Pcs.	2
900 x 900	Pcs.	3
900 x 800	Pcs.	4
800 x 750	Pcs.	2
800 x 700	Pcs.	3
700 x 650	Pcs.	5
650 x 650	Pc.	1
600 x 650	Pcs.	4
600 x 600	Pcs.	2
600 x 500	Pcs.	9
550 x 550	Pcs.	4
550 x 500	Pcs.	2

Item	Unit	Quantity
500 x 500	Pcs.	18
500 x 450	Pcs.	2
500 x 400	Pc.	1
400 x 400	Pcs.	6
400 x 300	Pcs.	3
350 x 350	Pcs.	5
300 x 300	Pcs.	7
250 x 250	Pc.	1
Chamber (with glass fiber fabric 50 thick)		
3000 x 1500 x 1100	Pc.	1
3000 x 1200 x 1000	Pc.	1
2600 x 1400 x 1000	Pc.	1
2600 x 1200 x 1000	Pc.	1
1100 x 2700 x 8800	Pcs.	2
1000 x 1000 x 600	Pc.	1
600 x 1500 x 600	Pcs.	4
Chamber (with glass fiber fabric 50 thick)		
5400 x 1000 x 1300	Pc.	1
4000 x 3500 x 1300	Pc.	1
Eliminator (for out door air)		
5400 x 1300	Pc.	1
Damper		
VP 1000 x 900	Pcs.	4
VP 850 x 800	Pc.	1
VP 800 x 800	Pcs.	2
VP 700 x 650	Pc.	1
VP 700 x 600	Pc.	1
VP 450 x 400	Pc.	1
VP 400 x 400	Pcs.	3
VP 300 x 300	Pc.	1
VP 300 x 200	Pcs.	4
VP 250 x 250	Pc.	1
VP 200 x 200	Pcs.	3

Item	Unit	Quantity
MD		
1000 x 900	Pcs.	3
FD		
1000 x 900	Pcs.	4
850 x 800	Pc.	1
800 x 800	Pcs.	2
800 x 700	Pc.	1
600 x 500	Pc.	1
550 x 550	Pc.	1
500 x 450	Pc.	1
450 x 450	Pc.	1
450 x 400	Pc.	1
400 x 400	Pcs.	8
300 x 200	Pc.	1
250 x 250	Pc.	1
200 x 200	Pc.	1
Vibration absorber	Pc.	1
Canvas joint	Lot	1
Insulation materials	Lot	1
(Include sound insulating lining)		
Painting materials	Lot	1
Miscellaneous materials	Lot	1
Sleeve and insert materials	Lot	1
Chipping materials	Lot	1
Labor cost		
Duct work	Lot	1
Fixture installation	Lot	1
Insulation work	Lot	1
(Include sound insulating lining)		
Painting work	Lot	1
Sleeve and insert work	Lot	1

Item	Unit	Quantity
Chipping and making good	Lot	1
Test	Lot	1
Transportation	Lot	1
(3) Chilled water piping work		
Materials		
Galvanized steel pipe		
25A	M	51
32A	M	59
40A	M	91
65A	M	407
80A	M	129
100A	M	8
125A	M	8
Fitting for ditto	Lot	1
Supporters for ditto	Lot	1
Gate valve (JIS 5K)		
20A	Pc.	1
25A	Pcs.	17
32A	Pcs.	8
40A	Pcs.	2
65A	Pcs.	19
80A	Pcs.	9
100A	Pc.	1
Check a valve		
40A	Pcs.	2
50A	Pcs.	2
65A	Pcs.	4
80A	Pcs.	2
125A	Pc.	1

Item	Unit	Quantity
Flexible joint		
65A	Pcs.	6
80A	Pcs.	2
Two way valve set		
80A	Set	1
40A	Set	2
65A	Set	3
Three way valve set		
80A	Set	2
Constant water flow valve		
65A	Pc.	1
Suction cover		
for 65A	Pcs.	4
for 80A	Pcs.	4
Water proof type manhole cover		
600φ	Pcs.	4
Thermometer	Pcs.	24
Pressure gauge	Pcs.	20
Vibration absorber	Lot	1
Insulation materials	Lot	1
Painting materials	Lot	1
Miscellaneous materials	Lot	1
Chipping materials	Lot	1
Sleeve materials	Lot	1
Labor cost		
Piping labor cost	Lot	1
Fixture installation	Lot	1

Item	Unit	Quantity
Insulation work	Lot	1
Painting work	Lot	1
Chipping and making good	Lot	1
Sleeve and insert work	Lot	1
Test	Lot	1
Transportation	Lot	1
(4) Condensing water piping work		
Materials		
Galvanized steel pipe		
25A	M	9
100A	M	120
Fitting for ditto	Lot	1
Supporters for ditto	Lot	1
Gate valve (JIS 5k)		
20A	Pcs.	2
25A	Pcs.	2
100A	Pcs.	10
Check valve		
50A	Pcs.	2
100A	Pcs.	2
Flexible joint		
100A	Pcs.	6
Automatic air leak valve	Pcs.	2
Thermometer	Pcs.	4
Pressure gauge	Pcs.	8
Painting materials	Lot	1

Item	Unit	Quantity
Miscellaneous materials	Lot	1
Chipping materials	Lot	1
Sleeve and insert materials	Lot	1
Labor cost		
Piping laborcost	Lot	1
Fixture installation	Lot	1
Painting work	Lot	1
Chipping and making good	Lot	1
Sleeve and insert work	Lot	1
Test	Lot	1
Transportation	Lot	1
(5) Drainage piping work		
Materials		
Galvanized steel pipe		
25A	M	32
32A	M	46
40A	M	69
50A	M	88
65A	M	22
100A	M	37
Fitting for ditto	Lot	1
Supporters for ditto	Lot	1
GV		
25A	Pcs.	12
COB		
50A	Pcs.	2

Item	Unit	Quantity
65A	Pcs.	2
100A	Pcs.	2
Floor drain plate		
50A	Pcs.	6
Insulation materials	Lot	1
Painting materials	Lot	1
Miscellaneous materials	Lot	1
Chipping materials	Lot	1
Sleeve and insert materials	Lot	1
Labor cost		
Piping labor cost	Lot	1
Fixture installation	Lot	1
Insulation work	Lot	1
Painting work	Lot	1
Chipping and making good	Lot	1
Sleeve and insert work	Lot	1
Test	Lot	1
Transportation	Lot	1
(6) Water supply piping work		
Materials		
P.V.C. lined steel pipe		
15A	M	22
20A	M	33
32A	M	7
40A	M	13



Item	Unit	Quantity
Fitting for ditto	Lot	1
Supporters for ditto	Lot	1
Gate valve		
15A	Pcs.	6
20A	Pcs.	4
32A	Pc.	1
40A	Pc.	1
Insulation materials	Lot	1
Painting materials	Lot	1
Miscellaneous materials	Lot	1
Chipping materials	Lot	1
Sleeve and insert materials	Lot	1
Labor cost		
Piping labor cost	Lot	1
Fixture installation	Lot	1
Insulation work	Lot	1
Painting work	Lot	1
Chipping and making good	Lot	1
Test	Lot	1
Transportation	Lot	1
(7) Vent piping work		
Materials		
Galvanized steel pipe		
32A	M	17
100A	M	14

Item	Unit	Quantity
Fitting for ditto	Lot	1
Supporters for ditto	Lot	1
Painting materials	Lot	1
Miscellaneous materials	Lot	1
Chipping materials	Lot	1
Sleeve and insert materials	Lot	1
Labor cost		
Piping labor cost	Lot	1
Painting work	Lot	1
Chipping and making good	Lot	1
Sleeve and insert	Lot	1
Test	Lot	1
Transportation	Lot	1
 (8) Ventilating equipment installation work		
Materials		
CF-1 Ceiling mounted fan 1400 $\phi$ x 220m <sup>3</sup> /H x 0.08kw x 1 $\phi$ x 230V with rev controller	Unit	6
CF-2 Ceiling mounted fan 1400 $\phi$ x 220m <sup>3</sup> /H x 0.08kw x 1 $\phi$ x 230V with rev controller	Unit	4
CF-3 Ceiling mounted fan 1400 $\phi$ x 220m <sup>3</sup> /H x 0.08kw x 1 $\phi$ x 230V with rev controller	Unit	3

Item	Unit	Quantity
CF-4 Ceiling mounted fan 1400 $\phi$ x 220m <sup>3</sup> /H x 0.08kw x 1 $\phi$ x 230V with rev controller	Unit	2
CF-5 Ceiling mounted fan 1400 $\phi$ x 220m <sup>3</sup> /H x 0.08kw x 1 $\phi$ x 230V with rev controller	Unit	3
CF-6 Ceiling mounted fan 1400 $\phi$ x 220m <sup>3</sup> /H x 0.08kw x 1 $\phi$ x 230V with rev controller	Unit	3
EF-1 Exhaust fan 300 $\phi$ x 1000m <sup>3</sup> /H x 0.04kw x 1 $\phi$ x 230V made of stainless with weather cover	Unit	3
EF-2 Exhaust fan (ceiling recessed type) 200 $\phi$ x 250m <sup>3</sup> /H x 6mmAg x 0.06kw x 1 $\phi$ x x 230V	Unit	2
EF-3 Exhaust fan (ceiling recessed type) 200 $\phi$ x 250m <sup>3</sup> /H x 6mmAg x 0.06kw x 1 $\phi$ x x 230V	Unit	1
EF-4 Exhaust fan (ceiling recessed type) 200 $\phi$ x 250m <sup>3</sup> /H x 6mmAg x 0.06kw x 1 $\phi$ x x 230V	Unit	2
EF-5 Exhaust fan (multi blade type) SS#1 x 580m <sup>3</sup> /H x 6mmAg x 0.1kw x 1 $\phi$ x x 230V	Unit	1
EF-6 Exhaust fan (ceiling recessed type) SS#1 x 580m <sup>3</sup> /H x 6mmAg x 0.1kw x 230V	Unit	1
CF-7 Ceiling mounted fan 1400 $\phi$ x 220m <sup>3</sup> /H x 0.08kw x 1 $\phi$ x 230V	Unit	1

Item	Unit	Quantity
EF-8 Exhaust fan (ceiling recessed type) SS#2 x 1000m <sup>3</sup> /H x 8mmAg x 0.4kw x 3φ x 400V	Unit	1
EF-10 Exhaust fan (multi blade type) SS#2 1/2 x 4500m <sup>3</sup> /H x 25mmAg x 2.2kw x 3φ x 400V with spring	Unit	1
EF-11 Exhaust fan (multi blade type) SS#2 x 2800m <sup>3</sup> /H x 30mmAg x 1.5kw x 3φ x 400V with spring	Unit	1
EF-12 Exhaust fan (multi blade type) SS#2 x 1500m <sup>3</sup> /H x 8mmAg x 0.4kw x 3φ x 400V	Unit	1
EF-13 Exhaust fan (multi blade type) SS#3 x 6100m <sup>3</sup> /H x 15mmAg x 1.5kw x 3φ x 400V	Unit	1
EF-14 Exhaust fan (multi blade type) SS#2 x 2600m <sup>3</sup> /H x 15mmAg x 0.75kw x 3φ x 400V	Unit	1
EF-15 Exhaust fan (multi blade type) SS#2 1/2 x 6700m <sup>3</sup> /H x 40mmAg x 3.7kw x 3φ x 400V	Unit	1
EF-16 Exhaust fan (multi blade type) SS#1 x 400m <sup>3</sup> /H x 30mmAg x 0.4kw x 3φ x 400V with spring	Unit	1
EF-17 Exhaust fan (multi blade type) SS#1 x 550m <sup>3</sup> /H x 30mmAg x 0.4kw x 3φ x 400V	Unit	1
OF-1 O.A. fan (multi blade type) SS#2 x 2800m <sup>3</sup> /H x 30mmAg x 1.5kw x 3φ x 400V with spring	Unit	1
OF-2 O.A. fan (multi blade type) SS#2 1/2 x 4500m <sup>3</sup> /H x 20mmAg x 2.2kw x 3φ x 400V with spring	Unit	1

Item	Unit	Quantity
OF-3 O.A. fan (multi blade type) SS#3 x 6700m <sup>3</sup> /H x 25mmAg x 2.2kw x 3φ x 400V	Unit	1
OF-4 O.A. fan (multi blade type) SS#3 x 6100m <sup>3</sup> /H x 20mmAg x 1.5kw x 3φ x 400V	Unit	1
Painting materials	Lot	1
Labor cost		
Transport and installation work	Lot	1
Painting work	Lot	1
Test	Lot	1
Transportation	Lot	1
(9) Ventilating duct work		
Materials		
Galvanized steel sheet		
#24 0.6mm	SM	665
#22 0.8mm	SM	377
#20 1.0mm	SM	14
Diffuser and intake		
VHS 800 x 400	Pcs.	2
550 x 300	Pcs.	3
400 x 200	Pcs.	2
300 x 250	Pc.	1
300 x 200	Pc.	1
250 x 150	Pc.	1
HS 1000 x 500	Pcs.	2
600 x 300	Pcs.	3
500 x 200	Pcs.	2
400 x 200	Pcs.	6
300 x 300	Pc.	1

Item	Unit	Quantity
300 x 250	Pcs.	2
300 x 200	Pc.	1
250 x 150	Pc.	1
200 x 150	Pc.	1
H 450 x 450	Pcs.	2
350 x 300	Pc.	1
300 x 300	Pc.	1
200 x 150	Pc.	1
PC #25	Pc.	1
PG 250 x 250	Pcs.	4
Food		
600 x 600	Pc.	1
Chamber (with eliminator and separator)		
2000 x 2500 x 700	Pc.	1
Chamber (with separator)		
2000 x 1000 x 700	Pc.	1
Noise absorption chamber		
(with glass fiber fabric 50 thick)		
650 x 650 x 650	Pcs.	2
550 x 500 x 400	Pc.	1
500 x 500 x 400	Pc.	1
450 x 400 x 350	Pc.	1
400 x 350 x 300	Pc.	1
Noise absorption elbow		
(with glass fiber fabric 50 thick)		
600 x 600	Pcs.	2
600 x 550	Pcs.	2
500 x 450	Pc.	1
400 x 400	Pcs.	2
400 x 300	Pc.	1
300 x 300	Pcs.	4
300 x 200	Pc.	1
250 x 250	Pcs.	2

Item	Unit	Quantity
Vibration absorber	Lot	1
Damper		
VD 500 x 500	Pcs.	2
500 x 450	Pcs.	2
450 x 450	Pcs.	2
400 x 350	Pcs.	3
300 x 300	Pc.	1
300 x 200	Pcs.	3
250 x 250	Pc.	1
200 x 200	Pcs.	2
FD 500 x 500	Pcs.	3
500 x 450	Pc.	1
450 x 450	Pcs.	3
400 x 350	Pcs.	4
300 x 200	Pcs.	3
250 x 250	Pcs.	4
200 x 200	Pcs.	4
Canvas joint	Lot	1
Painting materials	Lot	1
Miscellaneous materials	Lot	1
Chipping materials	Lot	1
Sleeve and insert materials	Lot	1
Labor cost		
Duct labor cost	Lot	1
Fixture installation	Lot	1
Painting work	Lot	1
Lining work	Lot	1
Chipping and making good	Lot	1
Sleeve and insert	Lot	1

Item	Unit	Quantity
Test	Lot	1
Transportation	Lot	1
(10) Oil storage tank installation work		
Materials		
OT-1 Oil storage tank 2000L Under ground type with manhole cover	Unit	1
Construction for ditto	Lot	1
Steel pipe 32A	M	17
Fitting for ditto	Lot	1
Supporters for ditto	Lot	1
Vent cap 32A	Pc.	1
Jute insulating materials	Pc.	1
Painting materials	Pc.	1
Miscellaneous materials	Pc	1
Transport and installation work	Lot	1
Concrete work	Lot	1
Piping labor cost	Lot	1
Fixture installation	Lot	1
Jute insulating work	Lot	1
Painting work	Lot	1
Test	Lot	1
Transportation	Lot	1



Item	Unit	Quantity
(11) Automatic controlling work		
1) Heat source control (1 set)		
1. Diff, press, transmitter DPF-100-1-B	Ea	1
2. Pressure controller PDK-7	Ea	1
3. Transformer		
25VA TANK-4025	Ea	3
40Va TANK-4040	Ea	2
4. Valve control motor		
V GK-600	Ea	2
V GK-700	Ea	1
5. V/C converter		
DGG-12	Ea	2
6. Auxiliary relay		
RAK-522W	Ea	1
7. Two way valve 11/2B		
SVK-20NF	Ea	1
8. Three way valve 3B		
SVK-30AF	Ea	2
9. Insertion type temp detector		
TEK-C420A	Ea	4
10. Temp indicating controller		
NB-921	Ea	4
11. Power unit		
EKX-418B	Ea	1
12. Electronic temp controller		
TC-4100	Ea	2

Item	Unit	Quantity
13. Insertion type temp detector TE-1700	Ea	2
14. Orifice F2-d 125A	Ea	1
15. Square-root convertor EKX-22ZB	Ea	1
16. Relay for indication and alarm EKX-16	Ea	3
2) Air handling unit control (1 set)		
1. Room type thermostat ORS-P134	Ea	2
2. Transformer 25VA TAK-425	Ea	5
3. Damper control motor DGK-500	Ea	2
4. Damper control motor DGK-520	Ea	1
5. Damper linkage DAK-1	Ea	3
6. Valve control motor VGK-700	Ea	2
7. Auxiliary relay		
RAK-522W	Ea	2
RAK-532W	Ea	1
8. Change over swith		
SAK-522W	Ea	2
9. Auxiliary potentiometer		
PAK-11W	Ea	2

Item	Unit	Quantity
10. Two way valve		
1V2B SVK-2DNF	Ea	1
2B SVK-2DNF	Ea	1
3) Air handling unit control (3 set)		
1. Room type thermostat		
ORS-P134	Ea	3
2. Transformer		
25VA TAK-4025	Ea	3
3. Valve control motor		
VGK-700	Ea	3
4. Auxiliary relay		
RAK-522W	Ea	3
5. Auxiliary relay		
PAK-11W	Ea	3
6. Two way valve		
3/11B SVK-2AAG	Ea	2
11/4B SVK-2DNF	Ea	1
4) Fire pump make-up tank (1 set)		
1. Electric rod relay	Ea	1
5) Gas leak detection		
1. Emergency shut off valve	Ea	1
2. Gas leak detector	Ea	1

Item	Unit	Quantity
6) Control panel		
CP-1	Ea	1
CP-2	Ea	1
CP-3, 4, 5	Ea	3
7) Automatic control wiring and piping work		
1. Conduit pipe		
19φ	Pcs.	60
25φ	Pcs.	179
31φ	Pcs.	53
39φ	Pcs.	14
51φ	Pcs.	29
2. Accessories for ditto	Lot	1
3. Cable 600 V IV 2	M	9,300
4. Pull box		
150 x 150 x 100	Ea	9
200 x 200 x 100	Ea	3
300 x 300 x 200	Ea	9
5. Outlet box	Ea	30
6. Temperature censor box		
ELB-50	Ea	4
7. Stop valve		
JIS 10k 15A	Ea	7
8. Bracket for insert type thermostat	Ea	6
9. Bracket for dumper control motor	Ea	3
10. Bracket for gauge	Ea	1
11. Bracket for pressur switch	Ea	1
12. Flexible tube		
#17	Set	8
#28	Set	11

Item	Unit	Quantity
13. Support and hanger	Lot	1
14. Miscellaneous material	Lot	1
15. Labor cost	Lot	1

Item	Unit	Quantity
E-II Mt. pidurutalagala air conditioning work		
(1) Ventilating equipment installation work (Materials) (Labor)	Lot	1
(2) Ventilating duct work	Lot	1
(3) Oil storage tank installation work	Lot	1
(4) Automatic controlling work	Lot	1

Item	Unit	Quantity
E-II Mt. pidurutalagala air conditioning work		
(1) Ventilating equipment installation work		
Materials		
OF-1 O.A. fan (multi blade type) SS#2 x 3100m <sup>3</sup> /H x 200mmAg x 1.5kw x 3φ x 400V	Unit	1
EF-1 Exhaust fan (pressure type) 400φ x 3100m <sup>3</sup> /H x 0.2kw x 1φ x 230V with weather cover (stainless steel)	Unit	1
EF-2 Exhaust fan 250φ x 700m <sup>3</sup> /H x 0.045kw x 1φ x 230V with weather cover (stainless steel)	Unit	1
EF-3 Exhaust fan 150φ x 100m <sup>3</sup> /H x 0.03kw x 1φ x 230V with weather cover (stainless steel)	Unit	1
FIL-9 Air filter Flat filter Air flow: 7,900m <sup>3</sup> /H 500w x 500H x 50t	Unit	6
Painting materials	Lot	1
Labor cost		
Transport and installation work	Lot	1
Painting work	Lot	1
Test	Lot	1
Transportation	Lot	1

Item	Unit	Quantity
(2) Ventilating duct work		
Materials		
Galvanized steel sheet		
#24 0.6 mm	SM	8
#22 0.8 mm	SM	2
Diffuser		
VHS 850 x 850	Pc.	1
With weather cover (stainless steel)		
3700 x 1000	Pc.	1
1300 x 1300	Pc.	1
With anti insect net special H type		
450 x 450	Pc.	2
Damper		
VD 400 x 400	Pc.	1
CD 400 x 400	Pc.	1
Canvas joint	Lot	1
Painting materials	Lot	1
Miscellaneous materials	Lot	1
Chipping materials	Lot	1
Sleeve and insert materials	Lot	1
Labor cost		
Duct work	Lot	1
Fixture installation	Lot	1
Painting work	Lot	1
Chipping and making good	Lot	1
Sleeve and insert work	Lot	1
Test	Lot	1
Transportation	Lot	1



Item	Unit	Quantity
(3) Oil storage tank installation work		
Materials		
OF-1 oil tank (ground type)	Unit	1
Oil volume 2000L		
Foundation materials	Unit	1
Steel pipe		
32A	M	22
Fitting for ditto	Lot	1
Supporters for ditto	Lot	1
Malleable valve		
32A	Pcs.	2
Vent cap		
32A	Pc.	1
Flexible joint	Pcs.	2
Jute insulating materials	Pc.	1
Painting materials	Pc.	1
Miscellaneous materials	Pc.	1
Labor cost		
Foundation work	Lot	1
Transport and installation work	Lot	1
Piping labor cost	Lot	1
Fixture installation	Lot	1
Jute insulating work	Lot	1
Painting work	Lot	1
Test	Lot	1
Transportation	Lot	1

Item	Unit	Quantity
(4) Automatic controlling work		
1) Power RM exhaust fan control (1 set)		
1. Room type thermostat NRS-C134	Pc.	1
2. Conduit pipe 19φ	Pcs.	3
3. Accessories for conduit pipe	Lot	1
4. Cable 600 V 1V 2	M	22
5. Outlet box	Pc.	1
6. Flexible tube #17	Set	1
7. Miscellaneous materials	Lot	1
8. Paint materials	Lot	1
9. Support and hanger	Lot	1
10. Piping labor cost	Lot	1
11. Painting work	Lot	1

Item	Unit	Quantity
E-III Kokavil air conditioning work		
(1) Ventilating equipment installation work (Materials) (Labor)	Lot	1
(2) Ventilating duct work	Lot	1
(3) Oil storage tank installation work	Lot	1
(4) Automatic controlling work	Lot	1

Item	Unit	Quantity
E-III Kokavil air conditioning work		
(1) Ventilating equipment installation work		
Materials		
OF-1 O.A. fan (multi blade type) SS#3 x 9300m <sup>3</sup> /H x 20 mmAg x 3.7kw x 3φ x 400V	Unit	1
EF-1 Exhaust fan (pressure type) 600φ x 9300m <sup>3</sup> /H x 0.75kw x 400V with weater cover (stainless steel)	Unit	1
EF-2 Exhaust fan 250φ x 700m <sup>3</sup> /H x 0.045kw x 1φ x 230V	Unit	1
EF-3 Exhaust fan (ceiling recessed type) 180φ x 100m <sup>3</sup> /H x 8mmAg x 0.038kw x 1φ x 230V	Unit	1
EF-4 Exhaust fan 200φ x 300m <sup>3</sup> /H x 0.03kw x 1φ x 230V with weather cover (stainless steel)	Unit	1
CF-1 Ceiling mounted fan 400φ x 200m <sup>3</sup> /H x 0.08kw x 1φ x 230V	Unit	1
CF-2 Ceiling mounted fan 1400φ x 220m <sup>3</sup> /H x 0.08kw x 1φ x 230V	Unit	2
CF-3 Ceiling mounted fan 1400φ x 220m <sup>3</sup> /H x 0.08kw x 1φ x 230V	Unit	1
FIL-1 Flat filter Air flow; 14,100m <sup>3</sup> /H 500W x 500H x 50t	Unit	8
Painting materials	Lot	1

Item	Unit	Quantity
Labor cost		
Transport and installation work	Lot	1
Painting work	Lot	1
Test	Lot	1
Transportation	Lot	1
(2) Ventilating duct work		
Materials		
Galvanized steel sheet		
#22 0.88 mm	SM	2
#18 1.2 mm	SM	5
Spiral duct		
100φ	M	4
Diffuser		
VHS 1200 x 1800	Pc.	1
Weather cover (stainless steel)		
3700 x 1000	Pc.	1
1300 x 1300	Pc.	1
450 x 450 (special H type)	Pcs.	2
Damper		
VD 700 x 500	Pc.	1
CD 700 x 500	Pc.	1
Canvas joint	Lot	1
Filter unit		
1600 x 1300 x 500	Pcs.	2
Painting materials	Lot	1
Miscellaneous materials	Lot	1

Item	Unit	Quantity
Sleeve materials	Lot	1
Chipping materials	Lot	1
Labor cost		
Duct work	Lot	1
Fixture installation	Lot	1
Painting work	Lot	1
Sleve and insert work	Lot	1
Chipping and making good	Lot	1
Test	Lot	1
Transportation	Lot	1
(3) Oil storage tank installation work		
Material		
OT-1 Oil storage tank (ground type) Oil volume 2,000L	Unit	1
Foundation material	Unit	1
Steel pipe 32A	M	22
Fitting for ditto	Lot	1
Support for ditto	Lot	1
Malleable valve 32A	Pcs.	2
Vent cap 32A	Pc.	1
Flexible joint 32A	Pcs.	2
Jute insulating material	Lot	1

Item	Unit	Quantity
Painting material	Lot	1
Miscellaneous material	Lot	-
Labor cost		
Foundation work	Lot	1
Transport and installation work	Lot	1
Piping labor cost	Lot	1
Fixture installation	Lot	1
Jute insulating work	Lot	1
Painting work	Lot	1
Test	Lot	1
Transportation	Lot	1
(4) Automatic controlling work		
1) Power RM exhaust fan control (1 set)		
1. Room type thermostat		
NRS-C134	Ea	1
2. Conduit pipe		
19φ	Pcs.	3
25φ	Pcs.	10
3. Accessories for conduit pipe	Lot	1
4. Cable		
600 V 1V 2	M	166
5. Outlet box	Pcs.	5
6. Flexible tube		
#17	Set	1
7. Miscellaneous material	Lot	1
8. Paint materials	Lot	1

Item	Unit	Quantity
9. Support and hanger	Lot	1
10. Piping labor cost	Lot	1
11. Painting work	Lot	1





Item	Unit	Quantity
E-IV Kandy air conditioning work		
(1) Ventilating work	Pc.	1
Materials		
EF-1 Exhaust fan 150ϕ x 300m <sup>3</sup> /H x 0.03kw x 1ϕ x 230V with weather cover (stainless steel)	Pc.	1
EF-2 Exhaust fan 150ϕ x 300m <sup>3</sup> /H x 0.03kw x 1ϕ x 230V with weather cover (stainless steel)	Pc.	1
Weather cover with anti insect net (stainless cover) 410 x 410		
Weather cover (stainless steel) 600 x 777.5	Pc.	1
600 x 752.5	Pc.	1
Labor cost	Pc.	1
Fixture installation		
Test	Lot	1
Transportation	Lot	1



Item	Unit	Quantity
E-V Madukanda air conditioning work		
(1) Ventilating work		
Materials		
EF-1 Exhaust fan 150φ x 300m <sup>3</sup> /H x 0.03kw x 1φ x 230V with weather cover (stainless steel)	Pc.	1
EF-2 Exhaust fan 150φ x 300m <sup>3</sup> /H x 0.03kw x 1φ x 230V with weather cover (stainless steel)	Pc.	1
Weather cover with anti insect net (stainless steel) 410 x 410	Pc.	1
Weather cover (stainless steel) 600 x 777.5	Pc.	1
600 x 752.5	Pc.	1
Labor cost		
Fixture installation	Lot	1
Test	Lot	1
Transportation	Lot	1

Item	Unit	Quantity
F. Tower Work		
F-I Colombo Tower Work	LS	1
F-II Mt. Pidurutalagala Tower Work	LS	1
F-III Kokavil Tower Work	LS	1
F-IV Kandy Tower Work	LS	1
F-V Madukanda Tower Work	LS	1
F-VI Tools & Equipments	LS	1
F-VII Management of Construction	LS	1
F-VIII General Expenses	LS	1

Item	Unit	Quantity
F-I Colombo Tower Work  (1) Tower Fabrication & Erection Work	LS	1

Item	Unit	Quantity
F-I-(1) Tower Fabrication & Erection Work		
1. Tower Fabrication	LS	1
2. Tower erection	LS	1
F-I-(2)-1 Fabrication Work		
1. Fabrication Work	LS	1
2. Painting Material	LS	1
F-I-(2)-2 Erection Work		
1. Hauling	LS	1
2. Erection	KG	20,962
3. Painting	LS	1
4. Misc	LS	1

Item	Unit	Quantity
F-II Mt. Pidurutalagala Tower Work		
(1) Foundation Work	LS	1
(2) Tower Fabrication & Erection Work	LS	1



Item	Unit	Quantity
F-II-(1) Foundation Work		
1. Temporary work	LS	1
2. Earth work	LS	1
3. Reinforced Conc, work	LS	1
4. Hauling	LS	1
F-II-(1)-1 Temporary work		
1. Survey	SM	200
2. Layout	LS	1
3. Finish Marking	LS	1
4. Shoring	CM	6
5. Cleaning	LS	1
F-II-(1)-2 Earth Work		
1. Excavation	CM	483
2. Back Fill	CM	402
3. Disposal	CM	81
4. Crushed Stone	CM	5

Item	Unit	Quantity
F-II-(1)-3 Reinforced Concrete		
1. Concrete work	LS	1
2 Form work	LS	1
3. Reinforcing Steel Bar	LS	1
F-II-(1)-3-1 Concrete Work		
1. Mud Concrete	CM	4
2. Reinforced Concrete	CM	74
F-II-(1)-3-2 Form Work		
1. Form Setting & Removal	SM	173
F-II-(1)-3-3 Reinforcing Steel Bar		
1. Arrangement of Reinforcing Steel Bar	KG	6,204
F-II-(1)-4 Hauling		
1. Hauling	LS	1

Item	Unit	Quantity
F-II-(2) Tower Fabrication & Erection Work		
1. Fabrication Work	LS	1
2. Erection Work	LS	1
F-II-(2)-1 Tower Fabrication		
1. Material	KG	31,227
2. Fabrication	KG	26,859
3. Hotdip Galvanization	KG	26,859
4. Horizontal Feeder Rack	KG	700
5. Hauling	KG	29,596
6. Misc. Expenses	LS	1
7. Painting Material	LS	1
F-II-(2)-2 Tower Erection Work		
1. Hauling	KG	29,596
2. Tower Erection	KG	28,272
3. Painting Work	LS	1
4. Misc.	LS	1

Item	Unit	Quantity
F-III Kokavil Tower Work		
(1) Foundation Work	LS	1
(2) Tower Fabrication & Erection Work	LS	1

Item	Unit	Quantity
F-III-(1) Foundation work		
1. Temporary Work	LS	1
2. Earth Work	LS	1
3. Reinforced Concrete Work	LS	1
4. Hauling	LS	1
5. Specialities	LS	1
F-III-(1)-1 Temporary Work		
1. Survey	LS	1
2. Layout	LS	1
3. Finished Marking	LS	1
4. Shoring	LS	1
5. Cleaning	LS	1
F-III-(1)-2 Earth Work		
1. Excavation	CM	716
2. Back Fill	CM	363
3. Disposal	CM	353
4. Crushed Stone	CM	9
F-III-(1)-3 Reinforced Concrete Work		
1. Concrete Work	LS	1
2. Form Work	LS	1
3. Reinforcing Steel Bar	LS	1
F-III-(1)-3-1 Concrete Work		
1. Mud Concrete	CM	8
2. Reinforced Concrete	CM	475

Item	Unit	Quantity
F-III-(1)-3-2 Form Work		
1. Form Work & Removal	SM	400
F-III-(1)-3-3 Reinforcing Steel Bar		
1. Arrangement of Reinforcing Steel Bar	KG	1,064
2. Installation of Anchor Frame	KG	8,257
F-III-(1)-4 Hauling		
1. Hauling	LS	1
F-III-(1)-5 Miscellaneous Work		
1. Grounding Earth Work	LS	1
2. Miscellaneous Work	LS	1

Item	Unit	Quantity
F-III-(2) Tower Fabrication & Erection Work		
1. Tower Fabrication	LS	1
2. Tower Erection	LS	1
F-III-(2)-1 Tower Fabrication Work		
1. Material	KG	44,060
2. Materials of Guy Wire	LS	1
3. Anchor Frame	KG	8,257
4. Fabrication (tower only)	KG	44,941
5. Hot-Dip Galvanization	KG	44,941
6. Hinged Tower Base	KG	926
7. Horizontal Feeder Rack	KG	1,300
8. Hauling	KG	69,398
9. Misc. Expense	LS	1
10. Painting Material	LS	1
F-III-(2)-2 Tower Erection Work		
1. Zincing of Guy Wire	LS	1
2. Tower Erection	KG	61,141
3. Painting Work	LS	1
4. Misc	LS	1

Item	Unit	Quantity
F-IV Kandy Tower Work		
(1) Foundation Work	LS	1
(2) Tower Fabrication & Erection Work	LS	1



Item	Unit	Quantity
F-IV-(1) Foundation Work		
1. Temporary Work	LS	1
2. Earth Work	LS	1
3. Reinforced Conc, Work	LS	1
4. Hauling	LS	1
5. Specialities	LS	1
F-IV-(1)-1 Temporary Work		
1. Survey	LS	1
2. Layout	LS	1
3. Finished Marking	LS	1
4. Shoring	LS	1
5. Cleaning	LS	1
F-IV-(1)-2 Earth Work		
1. Excavation	CM	172
2. Back Fill	CM	142
3. Disposal	CM	30
4. Crushed Stone	CM	2

Item	Unit	Quantity
F-IV-(1)-3 Reinforced Conc Work		
1. Concrete Work	LS	1
2. Form Work	LS	1
3. Reinforcing Steel Bar	LS	1
F-IV-(1)-3-1 Concrete Work		
1. Mud Concrete	CM	2
2. Reinforced Concrete	CM	27
F-IV-(1)-3-2 Form Work		
1. Form Work & Removal	SM	86
F-IV-(1)-3-3 Reinforcing Steel Bar		
1. Arrangement of Reinforcing Steel Bar	KG	2,358
F-IV-(1)-4 Hauling		
1. Haulint	LS	1
F-IV-(1)-5 Miscellaneous Work		
1. Grounding Earth Work	LS	1
2. Miscellaneous Work	LS	1

Item	Unit	Quantity
F-IV-(2) Tower Fabrication & Erection Work		
1. Tower Fabrication	LS	1
2. Tower Erection Work	LS	1
F-IV-(2)-1 Tower Fabrication Work		
1. Material	KG	11,492
2. Fabrication	KG	9,486
3. Hotdip Galvanization	KG	9,486
4. Horizontal Feeder Rack	KG	1,000
5. Hauling	KG	11,655
6. Misc. Expense	LS	1
7. Painting Material	LS	1
F-IV-(2)-2 Tower Erection Work		
1. Hauling	KG	11,655
2. Tower Erection	KG	10,486
3. Painting Work	LS	1
4. Misc	LS	1

Item	Unit	Quantity
F-V Madukanda Horizontal Feeder Rack		
(1) Foundation Work	LS	1
(2) Fabrication of H Rack	LS	1
(3) Installation of H Rack	LS	1

Item	Unit	Quantity
F-V-(1) Foundation Work		
1. Layout	LS	1
2. Excavation	CM	23
3. Concrete	CM	11
4. Form Work	SM	45
5. Back Fill	CM	14
6. Disposal	CM	9
7. Hauling	LS	1
F-V-(2) H. Rack Fabrication & Installation Work		
1. Fabrication Work	KG	4,500
2. Hauling	KG	4,500
3. Misc. Expense	LS	1
4. Painting Material	LS	1
F-V-(3) Installation Work of H. Rack		
1. Installation Work	KG	4,500

Item	Unit	Quantity
F-VI Tools for Tower Erection		
(1) Tools from Japan	LS	1
(2) Tools in Sri Lanka	LS	1
F-VII Management of Construction		
(1) Passage	LS	1
(2) Compensation of Company Staff	LS	1
(3) Expense of Site	LS	1









