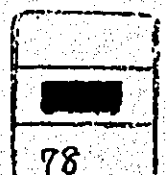


**THE PEOPLE'S REPUBLIC OF BANGLADESH**  
**DETAILS DESIGN REPORT**  
**ON**  
**THE TELEVISION STUDIO CONSTRUCTION PROJECT**

**VOLUME VI**

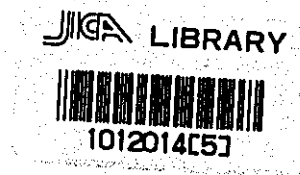
**MARCH 1978**

**JAPAN INTERNATIONAL COOPERATION AGENCY**



**THE PEOPLE'S REPUBLIC OF BANGLADESH**  
**DETAILS DESIGN REPORT**  
**ON**  
**THE TELEVISION STUDIO CONSTRUCTION PROJECT**

**VOLUME VI**



**MARCH 1978**

**JAPAN INTERNATIONAL COOPERATION AGENCY**

国際協力事業団

受入 月日	'84. 5. 16	101
		79
登録No.	04784	SDS

## CONSTRUCTION COSTS

## INTEGRATION CONDITIONS

The set integration was made for the construction of the Auditorium in accordance with the design drawings and the following terms.

Rate : Unit of money shall be calculated at US\$1.00 = ¥240 rate, and shall be revised in tender. (US\$1.00 = TK15.00, TK1.00 = ¥16)

Construction : Construction shall be done by Japanese contractor.

Materials : Aggregates, bricks, Marble, and carpet shall be supplied in Bangladesh, and most of others shall be imported from Japan. (End attached please find a volume list for reference in the case of which Bangladesh-made iron rods and frames are adopted.)

Labour Expenses : Engineers in each work shall be Japanese, and workmen shall be Bengali.

Cost : Reference to Schedule of Rates multiplied by 1.3 in "Public Works Department" issued in 1975.

Temporary Work : The machines and tools which are not replaced with man power nor supplied in the load site (trucks, cranes, generators, electric welder, unite steel scaffold, etc.) shall be shipped from Japan.

Customs : Details of customs are uncertain, customs shall be as except. But customs duty for Broadcasting facilities shall be included.

The integration shall be valid until December 31, 1978.

NO	ITEM AND DESCRIPTION	UNTS	QUANTITIES	UNIT COST	TOTAL Unit: \$	REMARKS
	Construction Work and Building Equipment Work				4,313,315	
	Additional Broadcasting Facilities				388,125	
	Grand Total				4,701,440	

NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL Unit: \$	REMARKS
	Construction Work and Building Equipment Work					
(1)	Construction Work		1		2,031,392	
(2)	Building Equipment Work		1		753,238	
(3)	Several Expenses		1		1,528,685	
	Total				4,313,315	

NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL Unit: \$	REMARKS
(1)	Construction Work					
(1)-a	Temporary Work				254,166	
(1)-b	Skeleton Work				949,902	
(1)-c	Interior Furnish Work				739,781	
(1)-d	Exterior Furnish Work				87,543	
	Total				2,031,392	



NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL Unit: \$	REMARKS
(1)-a	Temporaty Work Temporaty Work Temporaty house Temporaty store Temporaty supply of electricity Temporaty supply of water Safety divices Temporaty road  Total	  set	  1	        	        254,166.666  254,166.666 254,166.000	        

NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL Unit: \$	REMARKS
b	SKELETON WORK					
b-1	Direct Temporary Work				570,833	
b-2	Earth Work				7,781	
b-3	Pile Work				69,359	
b-4	Concrete Work				194,264	
b-5	Reinforcement Work				67,842	
b-6	Steel Work				25,531	
b-7	Removal of Existing Part				14,292	
	Total				949,902	

NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
b-1	Direct Temporary Work					
	Scaffolding		1		404,166.667	
	Machinery Truck-crane Generator Welding machine		1		166,666.667	
	Sub-total				570,833.334 570,833.000	
b-2	Earth Work					
	Excavation Depth = 1~2m	M <sup>3</sup>	715	0.458	327.470	
	" " = 2~3m	"	770	0.542	417.340	
	" " = 2~3m	"	156	0.625	97.500	
	Back filling	"	775	0.458	354.950	
	Removal of extra soil	"	866	0.458	396.628	
	Brick soling For foundation Thickness 76	M <sup>2</sup>	480	2.500	1,200.000	
	" For slabon the ground Thickness 70	"	900	2.500	2,250.000	
	Leveling sand For slabon the ground Thickness 100	"	900	0.958	862.200	

NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
b-3	Mortar screed For slabon the ground Thickness 30	M <sup>2</sup>	900	1.458	1,312.200	
	Polyethylene film For slabon the ground Thickness 0.15	"	900	562.500	7,780.788	
	Sub-total				7,781.000	
	Pile Work					
b-4	Concrete pile Aggregate & labor	M	2,126	25.000	53,150.000	
	Reinforcement	t	35	283.333	9,916.655	
	Cement	"	100	54.167	5,416.700	
	Bentonite	"	6	145.833	874.998	
	Sub-total				69,358.353	
	Concrete Work				69,359.000	
b-4	Labeling concrete	M <sup>3</sup>	24	46.250	1,110.000	

NO	ITEM AND DESCRIPTION	UNTS	QUANTITIES	UNIT COST	TOTAL	REMARKS
	Concrete for slab on the earth	M <sup>3</sup>	131	46.250	6,058.750	
	Reinforced concrete	"	1,520	46.250	70,300.000	
	Lime concrete	"	128	35.667	4,565.376	
	Concrete for brick work	"	13	41.667	541.671	
	Cement	t	650	54.167	35,208.550	
	Panel Usual type	M <sup>2</sup>	9,080	7.083	64,313.640	
	Used for fair faced concrete	"	1,460	8.333	12,166.180	
	Sub-total				194,264.167	
					194,264.000	
b-5	Reinforcement Work					
	Plain reinforcement SR24 9 $\phi$	t	0.5	283.333	141.667	
	Deformed reinforcement SD30 D10	"	71.1	300.000	21,330.000	
	" " D13	"	21.3	300.000	6,390.000	
	" " SD35 D16-D25	"	84.1	300.000	25,230.000	
	Labor of handling assembly	"	177	83.333	14,749.941	
	Sub-total				67,841.608	
					67,842.000	

NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
b-6	Steel Work					
	Steel SM50A H200-500	t	13.72	404.167	5,545.171	
	" " R 9-22	"	3.13	404.167	1,265.043	
	" SS41 H150-250	"	4.44	354.167	1,572.501	
	" " R 6-9	"	0.57	354.167	201.875	
	" " φ13	"	0.11	283.333	31.167	
	" " C-75	"	0.37	354.167	131.042	
	" " DR	"	1.06	341.667	362.167	
	Hi-tension bolt HTB	"	0.76	1,041.667	791.667	
	Labor of handling assembly	"	24.16	541.667	13,086.675	
	Election	"	24.16	45.833	1,107.325	
	Welding	M	440	2.208	971.520	
	Turn buckle 13φ	Set	40	2.083	83.320	
	Anchor bolt M20x1900	"	20	6.250	125.000	
	" M16x1200	"	88	2.917	256.696	
	Sub-total				25,531.169	
					25,531.000	

NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
b-7	Removal of Existing Part					
	Removal of brick wall	M <sup>2</sup>	370	6.250	2,312.500	
	Removal of concrete wall	"	20	10.417	208.340	
	Removal of R.C.C staircase	"	5	16.667	83.335	
	Outside brick wall	}				
	R.C.C. concrete wall	}				
	Inside brick wall	}	510	22.917	11,687.670	
	Sub-total				14,291.845	
					14,291.000	

NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
c	INTERIOR FINISH WORK					
c-1	Masonry Work				4,814	
c-2	Waterproof Work				1,556	
c-3	Terrazzo Work				52,390	
c-4	Ceramic Tile Work				14,607	
c-5	Carpentry & Joinery Work				70,416	
c-6	Metal Work				168,470	
c-7	Plastering Work				39,031	
c-8	Metal Doors & Windows				89,937	
c-9	Wood Doors				3,242	
c-10	Glass Work				722	
c-11	Painting Work				13,774	
c-12	Interior Furnishing				133,395	
c-13	Miscellaneous Work				125,850	
c-14	Reserve Stocks				21,577	
	Total				739,781	



NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
c-1	Masonry Work					
	Laying brick (Wall)	M <sup>2</sup>	415	8.833	3,665.695	
	Laying brick (Wall)	"	38	17.667	671.346	
	Laying brick (Under stairs)	"	20	8.833	176.660	
	MC Laying brick (Wainscot)	"	34	8.833	300.322	
	Sub-total				4,814.023 4,814.000	
c-2	Waterproof Work					
	BF CORRIDOR Mortal waterproofing (Wall & floor)	M <sup>2</sup>	195	5.833	1,137.435	

NO	ITEM AND DESCRIPTION	UNTS	QUANTITIES	UNIT COST	TOTAL	REMARKS
	Calking Around doors & windows	M	94	2.500	235.000	
	Cement	t	3.4	54.167	184.168	
	Sub-total				1,556.603	
					1,556.000	
c-3	Terrazzo Work					
	Cast in place (Floor)	M <sup>2</sup>	686	50.000	34,300.000	
	Cast in place (Thread)	"	18	62.500	1,125.000	
	Cast in place (Skirting) H60	M	211	13.750	2,901.250	
	Cast in place (Skirting) Circular shape H60	"	6	25.000	150.000	
	Cast in place (Skirting) H100	"	242	15.833	3,831.588	
	Staircase Skirting	"	38	23.333	886.654	
	" Border 100 x 30	"	23.2	25.000	580.000	
	" Skirting H200	"	8.5	20.833	177.081	
	Window Window board W120	"	11	18.750	206.250	
	Top board W120	"	8.5	18.750	159.375	
	Lavatory Window board W150	"	24	20.833	499.992	
	" " W250	"	1	25.000	25.000	

NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
	Lavatory W.C. Diaphragm(Terrazzo block)	M <sup>2</sup>	62.8	95.833	6,018.312	
	" " W650 x H2,000	"	1	145.833	145.833	
	" " W450 x H1,300	"	5	66.667	333.335	
	Top board W220	M	10	27.083	270.830	
	Cement	t	14.4	54.167	780.005	
	Sub-total				52,390.505	
					52,390.000	
c-4	Ceramic Tile Work					
	Mosaic tile (floor)	M <sup>2</sup>	24	20.833	499.992	
	100mm x 10mm Tile (Wall)	"	255	23.333	5,949.915	
	Special porcelain tile	"	217	35.417	7,685.489	
	Cement	t	8.7	54.167	471.253	
	Sub-total				14,606.649	
					14,607.000	

NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
c-5	Carpentry & Joinery					
	Timber for structural use Japanese cedar First class	M <sup>3</sup>	46	283.333	13,061.651	
	Timber for structural use (Board) Japanese cedar First class	"	21	262.500	5,512.500	
	Timber for joinery work Japanese cedar First class	"	10.5	958.333	10,062.497	
	Oak flooring 24 MM	M <sup>2</sup>	660	15.833	10,449.780	
	Plywood (Wall)	"	45	37.500	1,687.500	
	Plywood (Skirting) H60	M	17	6.250	106.250	
	Frame Lumber core 230 x 40	"	12	14.583	174.996	
	" " 400 x 30	"	115	21.667	2,491.705	
	" " 500 x 30	"	48	27.083	1,299.984	
	" " H200	"	80	11.667	933.360	
	Nails & hard wares	Set	1		1,187.500	
	Labor	"	1		23,447.917	
	Sub-total				70,415.640	
					70,416.000	

NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
c-6	Metal Work					
	HURDLE Assembling of steel flames FLOOR (1) (2)	t	20	941.667	18,833.340	
	GRIDE "	"	3.8	941.667	3,578.335	
	AUDITORY Steel frames behind wall	"	8.7	941.667	8,192.503	
	ROPE SPACE Light weight steel flames (Wall)	"	8.4	958.333	8,049.997	
	AUDITORY Light weight steel base(Wall)	M <sup>2</sup>	11	14.583	160.413	
	AUDITORY " (Ceiling)	"	1,756	4.583	8,047.748	
	AUDITORY " (Ceiling)	"	600	8.333	4,999.800	
	Ceiling access door (Aluminum) 450 x 450	Set	41	22.417	939.597	
	Ceiling mold (Aluminum)	M	850	4.167	3,541.950	
	Stainless steel joiner(Floor)	"	1,150	3.333	3,832.950	
	LAVATORY Tie metal of WC Diaphragm (Stainless steel)	"	44	10.417	458.348	
	" Side anchor metal of WC diaphragm	"	88	3.333	293.304	
	Non-slip nosing of stairs Stainless steel with vynyl	"	373	10.000	3,730.000	

NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
	Staircase Hand rail of staires (2) A850	M	23.2	27.083	628.326	
	Staircase Steel frame staircase (4) (With finishing of thread) 860 x 3,700	"	1		987.500	
	Staircase Steel frame staircase (6) (With finishing of thread) 860 x 4,600	"	1		1,191.667	
	Staircase Steel frame staircase (7) (With finishing of thread) 1,320 x 2,500	"	1		762.500	
	Staircase Steel frame staircase (With finishing of thread) 1,320 x 1,300	"	1		679.167	
	Ladder (Stainless steel) ø22 W400 x H2,000	"	1		133.333	
	Hand rail (Stainless steel)	M	110	29.167	3,208.370	
FOYER	Cast aluminum (Wall)	M <sup>2</sup>	44	2,083.333	91,666.652	
AUDITORY	Aluminum grille (Wall)	"	52	83.333	4,333.316	
	Stainless steel door sill ø900		12	16.667	200.004	
	Stainless steel joiner(Floor) ø1500	"	1		20.833	

NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
	Sub-total				168,469.953 168,470.000	
c-7	Plastering Work					
	Trowelled mortar finish (Floor, with joiner)	M <sup>2</sup>	924	4.167	3,850.308	
	Trowelled mortar finish (Under pasted sheeting)	"	487	3.750	1,826.250	
	Trowelled mortar finish (Under pasted sheeting) AUDITORY	"	30	4.583	137.490	
	Trowelled mortar finish (Under pasted sheeting)	"	375	4.167	1,562.625	
	Trowelled mortar finish (Skirting H100)	M	417	2.083	868.611	
	Trowelled mortar finish (Border of floor)	"	112	4.583	513.296	
	Trowelled mortar finish (Wall)	M <sup>2</sup>	510	6.250	3,187.500	
	Trowelled mortar finish (V.P. Base)	"	740	6.250	4,625.000	
	Trowelled mortar finish (Spraying tile base)	"	438	6.250	2,737.500	
	Trowelled mortar finish (Ceiling)	"	123	6.667	820.041	

NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
	Trowelled mortar finish (Floor - Tile base)	M <sup>2</sup>	24	2.500	60.000	
	Trowelled mortar finish (Wall - Tile base)	"	472	5.000	2,360.000	
	Mortar filling (Around frame)	M	568	2.083	1,183.144	
	Spraying tile (Wall - Mortar base)	M <sup>2</sup>	438	14.583	6,387.354	
	Spraying tile (Wall - Board base)	"	340	14.583	4,958.220	
	Cement	t	73	54.167	3,954.191	
	Sub-total				39,031.530	
					39,031.000	
c-8	Metal Doors & Windows					
	SSS1 Stainless steel shutter W3,370 x H2,280	set	1		2,229.167	
	SSD3 Stainless steel door W1,800 x H2,775	"	1		2,282.083	
	" 4 Stainless steel door W1,800 x H2,100	"	1		2,097.083	
	" 5 Stainless steel door W2,760 x H2,275	"	1		2,616.250	



NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
SSD7	Stainless steel door W1,050 x H2,000	set	1		1,616.667	
" 8	Stainless steel door W1,600 x H2,000	"	1		2,696.250	
" 9	Stainless steel door W1,800 x H2,100	"	7	2,785.833	19,500.831	
SSW1	Stainless steel window W3,200 x H600	"	1		644.583	
	Packing cost for export Aluminum sash	"	1		2,725.000	
AW5	Single swing window W0.600 x H900	"	1		206.250	
" 6	Fixed sash window W0.900 x H900	"	1		49.583	
" 7	One side fixed multiple window with pivot hinge W4,900 x H1,140	"	1		1,158.333	
" 8	Fixed sash window W4,000 x H900	"	2	525.000	1,050.000	
AG8	Fixed grille W300 x H300	"	1		82.083	
" 9	Fixed grille W500 x H500	"	2	152.917	305.834	
" 10	Fixed grille W2,800 x H250	"	6	417.083	2,502.498	
SNW1	Fixed mesh window W1,900 x H900	"	8	145.000	1,160.000	
ACD1	Single sliding door W1,000 x H2,100	"	1		626.250	

NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
	Packing for export	set	1		1,058.333	
SD1	Double swing flush door W3,000 x H3,600	"	1		2,820.833	
" 3	Double swing flush door W1,800 x H1,700	"	1		870.000	
" 4	Double swing flush door W900 x H2,100	"	17	545.833	9,279.161	
" 5	Double swing flush door W1,800 x H2,100	"	3	1,018.333	3,054.999	
" 6	Double swing flush door W900 x H2,100	"	2	572.500	1,145.000	
" 10	Double swing flush door W1,600 x H2,100	"	2	879.167	1,758.334	
" 11	Double swing flush door W450 x H600	"	5	299.583	1,497.915	
" 12	Double swing flush door W1,800 x H1,500	"	1		848.333	
" 13	Double swing flush door W900 x H1,750	"	2	508.333	1,016.666	
" 14	Double swing flush door W600 x H1,500	"	2	419.167	838.334	
" 15	Double swing flush door W1,500 x H2,100	"	1		713.750	
" 16	Single swing flush door W900 x H900	"	2	382.917	765.834	

NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
SD17	Single swing flush door W800 x H2,100	set	1		573.333	
" 18	Single swing flush door W350 x H350	"	1		277.917	
" 19	Single swing flush door W600 x H2,100	"	1		473.333	
" 20	Double swing flush door W1,800 x H2,100	"	1		1,053.333	
SFD1	Steel window for exhausting smoke W500 x H500 Package for export	"	2	220.417	440.834	
	Installation of exterior steel door & windows	"	1		2,912.500	
			1		14,989.583	
	Sub-total				89,937.075	
					89,937.000	
c-9	Wood Doors					
WD1	Plywood flush door W900 x H2,100	"	1		51.250	
" 2	Plywood flush door (With grille & figured glass) W900 x H2,100	"	2	65.833	131.666	
" 2'	W700 x H2,100	"	1		57.500	

NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
WD3	Plywood flush door (With grille) W700 x H2,100	set	6	59.583	357.498	
" 4	Veneered plywood flush door ( W700 x H2,100	"	2	118.750	237.500	
" 5	Veneered plywood flush door (Melamine finished) W600 x H1,950	"	20	40.000	800.000	
" 6	Veneered plywood flush door (Melamine finished) W600 x H2,100	"	1		44.167	
	Cylinder lock	"	9	18.750	168.750	
	Pivot hinge	"	12	13.333	159.996	
	Door check	"	12	27.083	324.996	
	Lavatory hinge	"	40	13.333	533.320	
	Indicating knob	"	20	5.000	100.000	
	Installation		1		275.000	
	Sub-total				3,241.643	
					3,242.000	
c-10	Glass Work					
	Polished transparent plate glass 5 M/M	M <sup>2</sup>	1.4	12.500	17.500	

NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
	Polished plate glass 10 M/M	M <sup>2</sup>	13	54.167	704.171	
	Sub-total				721.671	
c-11	Painting Work					
	OP	M <sup>2</sup>	248	3.333	826.584	
	"	"	1,427	2.708	3,864.316	
	"	"	51	3.625	184.874	
	VP	"	740	3.500	2,590.000	
	VP	"	316	3.375	1,066.500	
	VP with gauze	"	790	5.042	3,983.180	
	Paint of non-reflection light	"	8	4.167	33.338	
	OP	M	277	0.625	173.125	
	OSCL	"	108	0.833	89.964	
	Wax	M <sup>2</sup>	660	1.458	962.280	
	Sub-total				13,774.161	
					13,774.000	

NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
c-12	Interior Furnishing					
	Carpet	M <sup>2</sup>	31	208.333	6,458.323	
	"	"	189	62.500	11,812.500	
	AUDITORY(Including riser)	"	94	62.500	5,875.000	
	Carpet	"	281	13.750	3,863.750	
	Vinyl sheet (Including riser)	"	30	14.583	437.490	
	" ( " )	"	79	12.500	987.500	
	"	"	126	6.667	840.042	
	Vinyl tile	"	32	5.000	160.000	
	"	"	31	1.750	54.250	
	Vinyl skirting	M	158	6.667	1,053.386	
	Calcium silicate board (Wall)	M <sup>2</sup>				
	Perforated calcium silicate board (Wall)	"	210	7.500	1,575.000	
	AUDITORY	"	257	24.167	6,210.919	
	Calcium silicate board(AUDITORY)12+12	"	15	13.333	199.995	
	" ( " )12	"				
	Perforated calcium silicate board (Wall)	"	16	14.167	226.672	
	Glass wool felt 50 mm with crimp wire netting	"	24	8.333	199.992	
	Rock wool sound absorbing board	"	315	10.417	3,281.355	
	With plaster board 9 mm (Ceiling)	"				

NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
	Rock wool sound absorbing board (Ribbed) With plaster board 9 mm (Ceiling)	M <sup>2</sup>	307	14.583	4,476.981	
	Rock wool sound absorbing board (Glass wool 50 mm) With plaster board	"	46	20.000	920.000	
	Plaster board with glass wool 50 mm crimp wire netting	"	284	16.250	4,615.000	
	Asbestos cement flexible board 6 MM	"	57	10.000	570.000	
FOYER	Asbestos cement boarder 200	M	165	62.500	10,312.500	
	Asbestos cement flexible board 300	M <sup>2</sup>	476	25.833	12,296.508	
	Glass wool 50 mm	"	124	13.750	1,705.000	
	Asbestos cement plaster board Glass wool 50 mm	"	293	12.500	3,662.500	
	Ceiling provided slit (W300) with asbestos cement flexible board Glass wool 25 mm	M				
	Boarder (W600) Plaster board Glass wool 50 mm	"	72	24.167	1,746.024	
	Perforated calcium silicate board Glass wool 50 mm	"				

NO	ITEM AND DESCRIPTION	UNTS	QUANTITIES	UNIT COST	TOTAL	REMARKS
	AUDITORY Ceiling base Glass wool 50 mm	M <sup>2</sup>	504	5.833	2,939.832	
"	AUDITORY Ceiling base Glass wool 50 mm with crimp wire netting	"	504	20.417	10,290.168	
	Rock wool sound absorbing board (Ceiling)	"	51	14.167	722.517	
	Cemented chip board (Wall) 50 MM	"	1,563	9.167	14,328.021	
	Cemented chip board with reinforcing bar (Wall) 80 MM	"	259	21.667	5,611.753	
	Cemented chip board with reinforcing bar (Ceiling) 50 MM	"	1,305	8.333	10,874.565	
	Wall kiltling Glass wool 50 mm	"	5	12.500	62.500	
	Glass wool 50 mm with gauze (Wall)	"	158	7.500	1,185.000	
	2F AIR CONDITION Glass wool 50 mm (Ceiling)	"	100	5.833	583.300	



NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
	Rock wool sound absorbing board (Ribbed) Plaster board	M <sup>2</sup>	45	18.333	824.985	
	Rock wool sound absorbing board Glass wool 50 mm Plaster board	"	150	16.250	2,437.500	
	Sub-total				133,394.828 133,395.000	
c-13	Miscellaneous Work					
	SOUND LOCK ROOM (1) Guard rail 150 x 30 @300 90 x 30 @600 H 2,100	M	4	62.500	250.000	
	OFFICE (1) Blind & box 2,000 x 1,200	set	1		85.000	
	STORE (1) Wooden cabinet L9,400 x H2,100 x D600	"	1		783.333	
	STORE (2) Wooden cabinet L8,000 x H2,100 x D600	"	1		666.667	
	STORE (1) Guard rail H 2,100		5.4	62.500	337.500	
	STORE (2) Lid of floor pit W 400	M	6	58.333	349.998	

NO	ITEM AND DESCRIPTION	UNTS	QUANTITIES	UNIT COST	TOTAL	REMARKS
	ARTIST WAITING ROOM Full length mirror 600 x 1,300	set	1	31.250	31.250	
	MAKE UP ROOM (M) Make up table W400	M	4	83.333	333.332	
	MAKE UP ROOM (F) W400	"	3.9	83.333	324.999	
	MAKE UP ROOM (M) (F) Mirror 600 x 900		10	22.500	225.000	
	DRESSING ROOM Full length mirror 600 x 1,300	set	2	31.250	62.500	
	Accordion curtain W1,000 x H2,100	"	1		129.167	
	Pipe for coat hanger L1,400	"	1		14.583	
	WASH ROOM Partition vinyl curtain W700 x H2,000	"	1		58.333	
	WASH ROOM Mirror 455 x 608	"	2	16.667	33.334	
	WC (3) Mirror 600 x 900	"	1		22.500	
	WAITING ROOM Mirror 600 x 1,300	"	1		31.250	
	LAVATORY (M) (F) Mirror 3,900 x 600	"	2	100.000	200.000	
	600 x 1,300	"	2	31.250	62.500	

NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
	POWDER ROOM Wash table 3,100	set	1		258.333	
	POWDER ROOM Mirror 2,500 x 800	"	1		112.500	
	CANTEEN Blind & box W2,300 x H2,050	"	4	143.750	575.000	
	CANTEEN Counter 3,000	"	1		500.000	
	KITCHEN PANTRY Lid of floor pit W200	"	9.8	37.500	367.500	
	KITCHEN PANTRY Lid of pit 650 x 650	"	1		50.000	
	KITCHEN PANTRY Counter with upper part cabinet 3,200	"	1		400.000	
	STORE (3) Wooden shelves L6,400 x H1,400 x D600	"	1		479.167	
	STORE (4) " L6,400 x H1,400 x D600	"	1		479.167	
	ENTRANCE Counter 2,600	"	1		416.667	
	VIP ROOM Blind box W2,300 x H1,500	"	2	128.750	257.500	
	Curtain (Double) W2,700 x H2,400	"	2	162.500	325.000	
	" "	M	5.4	4.167	22.502	
	OFFICE ROOM (3) (4) Blind & box 2,300 x 1,500	set	2	128.750	257.500	
	Cabinet 2,700 x 850 x 450	"	2	250.000	500.000	

NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
	SUB CONTROL ROOM, PROTECTION ROOM Curtain	M <sup>2</sup>	17	25.000	425.000	
	SUB CONTROL ROOM Finished lid of floor pit W300	M	38.5	50.000	1,925.000	
	BACK ROOM Finished lid of floor pit W400	"	29.9	58.333	1,744.157	
	UNDER GROUND CORRIDOR Guard rail H2,500 150 x 30 @300	"	18.1	70.833	1,282.077	
	UNDER GROUND CORRIDOR Guard rail 150 x 30	"	40.4	8.333	336.653	
	LIGHTING ROOM Floor access door 300 x 300	set	6	33.333	199.998	
	LIGHTING ROOM Floor access door 500 x 500	"	2	45.833	91.666	
	ORCHESTRA PIT Hand rail of orchestra pit H760	M	14.4	75.000	1,080.000	
	ORCHESTRA PIT Floor box	M <sup>2</sup>	42.7	83.333	3,558.319	
	STAGE Full length mirror 600 x 1,300	set	2	31,250	62.500	
	STAGE Protector L19,000 x H2,500	"	1		2,375.000	
	STAGE Guard rain H2,100	M	73	62,500	4,562.500	
	STAGE Terrazzo sink 1,800 x 800	set	1		150.000	

NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
	STAGE Lid of concrete pit 980 x 700	set	1		54.167	
	STAGE Floor pit with lid W400	M	61.4	58.333	3,581.648	
	STAGE " W200	"	6.6	45.833	302.498	
	STAGE Wooden lid 4,000 x 1,800	set	1		350.000	
	STAGE Stairs made with wooden box	"	1		458.333	
	ORCK.PIT Sliding wall SLD1 17,600 x 1,292	"	1		4,804.167	
	ORCK.PIT Sliding wall SLD1 14,600 x 680	"	1		2,366.667	
	AUDITORY Movale steps 300 x 150 x 900	"	13	16.667	2,166.671	
	AUDITORY " 300 x 150 x 1,200	"	1		200.000	
	AUDITORY " 300 x 150 x 1,600	"	1		241.667	
	Access door of ceiling 450 x 450	"	5	20.833	104.165	
	Reinforcement around ceiling access door	set	1		7,833.333	
	Sign plate	"	56	10.417	583.352	
	Finished man hole (for drain pipe) 450 x 450	"	4	62.500	250.000	
	Vinyl pipe for drainage ø150	M	45	14.583	656.235	
	" " ø50	"	3	5.833	17.499	
	Chair (Auditory) 577 seats	set	1		75,085.000	

NO	ITEM AND DESCRIPTION	UNTS	QUANTITIES	UNIT COST	TOTAL	REMARKS
	Sub-total				125,850.354 125,850.000	
c-14	Reserve Stocks					
	Perforated calcium silicate board 6MM	M <sup>2</sup>	105	5.000	525.000	
	" 12MM	"	8	9.167	73.336	
	" 6MM	"	101	4.167	420.867	
	" 12MM	"	263	8.333	2,191.579	
	Asbestos cement flexible board 6MM	"	110	6.250	687.500	
	Rock wool sound absorbing board 12MM	"	41	4.167	170.841	
	" (Ribbed)	"	35	8.333	291.655	
	Cemented chip board 50MM	"	287	6.250	1,793.750	
	" 80MM	"	26	14.583	379.158	
	Vinyl sheet 2.5MM	"	39	10.417	406.263	
	Vinyl tile 3 MM	"	25	5.417	135.425	
	" 2 MM	"	6	3.750	22.500	
	Vinyl skirting	M	6	1.042	6.252	

NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
	Glass wool	M <sup>2</sup>	197	5.000	985.000	
	"	"	29	2.083	60.407	
	Sealing material	set	1		50.000	
	Non slip	M	34	10.000	340.000	
	Hard wares	set	1		138.208	
	Neoplane gum	"	1		6,383.333	
	Pit of wiring pit	"	1		827.083	
	Ladder for maintenance	"	1		166.667	
	Mirror	"	3	31.250	93.750	
	"	"	3	22.500	67.500	
	Heat absorbing wire glass	M <sup>2</sup>	29.6	67.500	1,998.000	
	Seat	set	1		3,235.833	
	Chain block	"	1		114.167	
	Clean out opener	"	3	4.167	12.501	
	Sub-total				21,576.575	
					21,577.000	

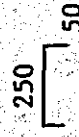

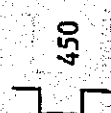

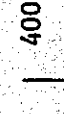
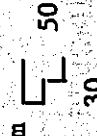
NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL Unit: \$	REMARKS
d	EXTERIOR FINISHING WORK					
d-1	Masonry Work				25,116	
d-2	Waterproof Work				2,080	
d-3	Brick Work				32	
d-4	Ceramic Tile Work				1,679	
d-5	Metal Work				4,273	
d-6	Plastering Work				4,218	
d-7	Metal Doors & Windows				31,854	
d-8	Glass Work				2,363	
d-9	Painting Work				766	
d-10	Miscellaneous Work				15,162	
	Total				87,543	



NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
d-1	Masonry Work					
	Laying brick (Exterior wall)	M <sup>2</sup>	1,748	12.917	22,578.916	
	" (Upper part of doors & windows)	M	39	1.875	73.125	
	" (Under part of doors & windows)	"	30	3.125	93.750	
	" (Side part of doors & windows)	"	59	3.125	184.375	
	Coping (Precast concrete)	"	148	10.833	1,603.284	
	" (Precast concrete)	"	37	12.500	462.500	
	" (Precast concrete)	"	8	15.000	120.000	
	Sub-total				25,115.950	
					25,116.000	
d-2	Waterproof Work					
	Caulking Around doors & windows	M	238	2.500	595.000	
	" Around coping	"	594	2.500	1,485.000	

NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
	Sub-total				2,080.000 2,080.000	
d-3	Terrazzo Work					
	Cast in place (Skirting of column) H60	M	1.3	25.000	32.500	
	Sub-total				32.500 32.000	
d-4	Ceramic Tile Work					
	Porcelain tile (Floor) 150 x 150	M <sup>2</sup>	34	29.167	991.678	
	" 150 x 150	"	14.4	33.333	479.995	
	Non-slip tile	M	38	4.167	158.346	
	Cement	t	0.9	54.167	48.750	
	Sub-total				1,678.769 1,679.000	

NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
d-5	Metal Work					
	Roof drain	Set	3	25.833	77.499	
	"	"	3	44.583	133.749	
	"	"	1	22.917	22.917	
	"	"	3	14.583	43.749	
	Drain pipe	M	36	8.333	299.988	
	"	"	33	6.667	220.011	
	"	"	3	4.583	13.745	
	Water drip	"	18	6.667	120.006	
	Thickness 0.8					
	100					
	"	"	3	9.583	28.749	
	Thickness 0.8					
	300					
	Ladder	Set	1	16.667	16.667	
	Hook	"	2	8.333	16.666	
	Coloured steel plate (Roof of porch)	M <sup>2</sup>	40.3	34.167	1,376.930	
	Thickness 2.3					
	"	(Roof ditch of porch)M	5.4	24.167	130.502	
	200					

NO	ITEM AND DESCRIPTION	UNTS	QUANTITIES	UNIT COST	TOTAL	REMARKS
	Coloured aluminum (Coping of roof of porch) 	M	13.3	39.583	526.454	
	Coloured aluminum (Water drip) 	"	8.3	3.333	27.664	
	" 	"	6.7	6.667	44.669	
	Coloured aluminum (Coping of roof of porch) 	"	56.9	3.333	189.648	
	Coloured aluminum (Edge of roof of porch) 	"	13.6	6.250	85.000	
	Coloured aluminum (Edge aluminum) 	"	13.6	5.000	68.000	

NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
	Colour corrugated aluminum (Ceiling of roof of porch)	M <sup>2</sup>	46.3	12.500	578.750	
	Coloured aluminum (Corner edge of roof of porch)	M	29	2.500	72.500	
	Coloured aluminum cover (Column)	M <sup>2</sup>	3.2	12.500	40.000	
	Drain pipe (Under mat of porch) ø75 x 500	Set	1	2.083	2.083	
	Ring hook (Roof) ø19	"	22	6.250	137.500	
	Sub-total				4,273.446 4,273.000	
d-6	Plastering Work					
	ROOF Trowelled lime concrete (Labor)	M <sup>2</sup>	732	2.083	1,524.756	
	ROOF Trowelled waterproof mortar (Coping)	M	40	4.167	166.680	
	150					
	120					
	Trowelled waterproof mortar (Coping)	"	13	5.000	65.000	
	500					

NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
	ROOF Trowelled waterproof mortar (Coping)	M	3	8.333	24.999	
	900					
	ROOF "	"	10	3.750	37.500	
	80					
	120					
	Trowelled mortar (Beam)	M <sup>2</sup>	23	7.083	162.909	
	EXTERIOR Trowelled mortar (Wall)	"	108	6.250	675.000	
	" (Floor)	"	55	4.167	229.185	
	Mortar caulking (Around rim of doors & windows)	M	208	2.083	433.264	
	Cement	t	16.6	54.167	899.172	
	Sub-total				4,218.465	
					4,218.000	
d-7	Metal doors & windows					
	SSD-1 Double swing door with fixed glass screen W3.66 x H2.775	Set	1		3,377.500	
	SSD-2 Double swing door with fixed glass screen W4.435 x H2.775	"	1		3,526.667	

NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
	Packing cost for export	Set	1		1,029.167	
AW-1	Single swing window with fixed glass screen 2.26 x 2.025	"	4	638.750	2,555.000	
AW-2	" 2.26 x 1.485	"	4	561.250	2,245.000	
AW-3	Top-hinged window with fixed lover (Upper part) 0.9796 x 1.350	"	1		486.250	
AW-4	Sliding glass window 2.000 x 1.200	"	1		183.333	
AG-1	Fixed louver W0.980 x H0.350	"	1		179.167	
AG-2	" W850 x H350	"	2	162.917	325.834	
AG-3	" W350 x H0.350	"	3	90.000	270.000	
AG-4	" W2.260 x H1.200	"	2	585.000	1,170.000	
AG-5	" W0.480 x H350	"	1		105.833	
AG-6	" W1.500 x H1.200	"	1		372.083	
AG-7	" W1.880 x H1.000	"	1		455.417	
	Packing for export	Set	1		1,554.167	
SD-1	Double swing flush door W3,000 x H3,600	Set	1		2,820.833	
SD-2	Double swing door (1-large, 1-small) W1,240 x H2,100	"	1		829.000	

NO	ITEM AND DESCRIPTION	UNTS	QUANTITIES	UNIT COST	TOTAL	REMARKS
	SD-4 Single swing door W850 x H2,100	Set	2	535.417	1,070.834	
	SD-5 " W1,750 x H2,100	"	3	965.833	2,897.499	
	Packing cost for export	Set	1		1,087.500	
	Installment & adjusting cost				14,018.166	
	Sub-total				31,853.584	
					31,854.000	
d-8	Glass Work					
	Heat absorbing wire glass Thickness 6.8M/M	M <sup>2</sup>	35	67.500	2,362.500	
	Sub-total				2,362.500	
					2,363.000	
d-9	Painting Work					
	O.P. Surface of steel doors & windows	M <sup>2</sup>	76	3.333	253.308	
	A.E.P. Surface of mortar	"	131	3.917	513.127	



NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
	Sub-total				766.435 766.000	
d-10	Miscellaneous Work					
	Rubber	Set	1		250.000	
	W950 x H3,700					
	Exp. J. Roof (A)	M	40.3	11.667	470.180	
	" " (B)	"	18	9.167	165.006	
	" Wall (C)	"	11.5	25.000	287.500	
	" " (D)	"	8	27.083	216.664	
	" Ceiling (E)	"	23	22.917	527.091	
	" " (F)	"	11.5	27.083	311.455	
	" Roof (G)	"	8	9.167	73.336	
	" Ceiling (H)	"	17	27.083	460.411	
	" " (I)	"	37	25.000	925.000	
	" Roof (J)	"	9	29.167	262.503	
	" Floor (K)	"	3	27.083	81.249	
	" " (L)	"	5	27.083	135.415	
	" " (M)	"	9	4.167	37.503	
	Exp. J. (Around wall of audience)	"	70	37.500	2,625.000	

NO	ITEM AND DESCRIPTION	UNTS	QUANTITIES	UNIT COST	TOTAL	REMARKS
	Sign board	Set	1		8,333.333	
	Sub-total				15,161.646	
					15,162.000	

NO	ITEM AND DESCRIPTION	UNTS	QUANTITIES	UNIT COST	TOTAL Unit: \$	REMARKS
(2)	Building Equipment Work					
(2)-a	Electrical Installation Work				255,562	
(2)-b	Plumbing Work				48,640	
(2)-c	Ventilation and Air Conditioning Work				449,036	
	Total				753,238	

NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL Unit: \$	REMARKS
a	ELECTRICAL INSTALLATION WORK					
a-1	Power Supply Wiring		1		1,096	
a-2	Power Supply System		1		5,655	
a-3	Lighting Fixture and Plug Socket System		1		159,930	
a-4	Power Control System		1		27,342	
a-5	Earthing		1		350	
a-6	Piping for Telephone System		1		1,330	
a-7	Clock System		1		12,109	
a-8	Opening Buzzer System		1		538	
a-9	Alarm System		1		8,999	
a-10	Piping for Broadcasting		1		28,408	
a-11	Piping for Simultaneous Interpretation System		1		9,805	
	Total				255,562	

NO	ITEM AND DESCRIPTION	UNTS	QUANTITIES	UNIT COST	TOTAL	REMARKS
a-1	Power Supply Wiring					
	Conduit pipe (92)mm	P.C	8	30.000	240.000	
	Accessaries		1		60.000	
	Normal bend (92)mm	P.C	5	40.000	200.000	
	Pull box F. Type 700 x 700 x 700	"	1		308.333	
	Miscellaneous materials		1		24.167	
	Transportation		1		15.833	
	Miscellaneous cost		1		39.167	
	Labor cost		1		129.167	
	Packing cost for exportation		1		79.167	
	Sub-total				1,096.000	
a-2	Power Supply System					
	Electrical wire 600V I.V. 2 mm <sup>2</sup>	m	1,380	0.063	86.940	
	" " 5.5	"	3	0.146	0.438	
	" " 8	"	75	0.204	15.300	
	" " 14	"	1,070	0.358	383.060	
	" " 22	"	172	0.542	93.224	

NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
	Electrical wire 600V I.V. 30 mm <sup>2</sup>	m	64	0.733	46.912	
	" " 38	"	58	0.867	50.286	
	" " 100	"	105	2.292	240.660	
	Conduit pipe (19)mm	P.C	5	1.304	6.520	
	" (25)	"	74	1.825	135.050	
	" (31)	"	76	2.408	183.008	
	" (39)	"	33	2.846	93.918	
	" (51)	"	8	4.233	33.864	
	" (75)	"	7	7.996	55.972	
	Accessories		1		127.088	
	Normal bend (31)mm	P.C	16	0.792	12.672	
	" (39)	"	4	1.125	4.500	
	" (51)	"	1		1.917	
	" (75)	"	1		7.500	
	Pull box A. Type 200 x 200 x 200	"	4	15.875	63.500	
	" B. Type 300 x 300 x 200	"	3	25.125	75.375	
	" C. Type 400 x 400 x 200	"	1		62.083	
	" D. Type 400 x 400 x 400	"	2	95.833	191.666	
	" E. Type 600 x 600 x 600	"	4	291.667	1,166.668	
	Alarm panel	Set	1		270.833	
	Miscellaneous materials		1		103.942	
	Transportation		1		66.667	

NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
	Miscellaneous cost		1		166.667	
	Labor cost		1		1,570.833	
	Packing cost for exportation		1		337.500	
	Sub-total				5,655.000	
a-3	Lighting Fixture and Plug Socket System					
	Electrical wire 600V I.V. 1.6mm	m	22,200	0.054	1,198.800	
	Cable 600V VVF 1.6mm-2C	"	204	0.125	25.500	
	Conduit pipe (19)mm	P.C	1,093	1.304	1,425.272	
	" (25)	"	407	1.825	742.775	
	" (31)	"	4	2.408	9.632	
	" PE (22)	"	19	7.500	142.500	
	Accessories		1		579.232	
	Normal bend (31)	P.C	1		0.792	
	Outlet box (Exposed type) (19) One way	"	2	1.250	2.500	
	" ( " ) (19) Two way	"	8	1.375	11.000	
	" ( " ) (19) Four way	"	1		1.750	
	" Medium size square Shallow type	"	518	0.333	172.494	
	" Large size square Deep type	"	188	1.125	211.500	

NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
	Concrete box Medium size square H = 75mm	P.C	7	0.958	6.706	
	Switch box With cover. For 1.	"	98	0.521	51.058	
	" " For 2.	"	6	1.375	8.250	
	Tumbler switch 3W x 1 With plate PL x 1	"	2	2.504	5.008	
	Switch box (Exposed type) (19)mm One way	"	1	1.313	1.313	
	Pull box A Type 200 x 200 x 200	"	6	15.875	95.250	
	Tumbler switch IP-10A With plate	"	51	1.058	53.958	
	" IP-10A x 2	"	12	1.404	16.848	
	" IP-10A x 3	"	5	1.750	8.750	
	" IP-10A x 4	"	2	2.788	5.576	
	" IP-10A x 8	"	1	5.379	5.379	
	" 3W x 1	"	14	1.338	18.732	
	" IP-10A x 2 PL x 1	"	2	2.571	5.142	
	" IP-10A x 3 PL x 3	"	2	4.904	9.808	
	" 4W x 1	"	2	2.463	4.926	
	Push-button With pilot lamp	"	1	83.333	83.333	
	Plug socket 2P-15A x 1 With plate E x 1	"	42	1.546	64.932	
	" 2p-15A x 2 E x 1	"	104	1.817	188.968	
	Solar switch 250V - 10A	"	1	24.750	24.750	



NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
	Cabinet panel GL-1	Set	1		2,261.250	
	" GL-2	"	1		2,067.917	
	" IL-1	"	1		1,900.000	
	" IL-2	"	1		1,395.333	
	" IL-3	"	1		741.667	
	Blind plate	P.C	10	0.613	6.130	
	Tumbler switch IP-10A x 1 With plate PL x 1	"	1		2.225	
	" IP-10A x 2 PL x 1	"	1		2.571	
	Lighting fixture A41 Type	Set	26	88.333	2,296.658	
	" A42	"	27	115.833	3,127.491	
	" A42e4	"	6	136.667	820.002	
	" B46	"	4	639.583	2,558.332	
	" C41	"	6	77.083	462.498	
	" C42	"	7	105.000	735.000	
	" C42WP	"	4	130.000	520.000	
	" C42e4	"	5	125.833	629.165	
	" D41	"	165	67.500	11,137.500	
	" G41e4	"	8	236.250	1,890.000	
	" H151	"	1		57.500	
	" I41	"	63	130.000	8,190.000	
	" I42	"	93	166.667	15,500.031	

NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
	Lighting fixture J21 Type	Set	12	88.750	1,065.000	
	" J41 "	"	21	124.167	2,607.507	
	" K31 "	"	11	144.583	1,590.413	
	" J41, 31 "	"	13	239.583	3,114.579	
	" X21 "	"	16	191.667	3,066.679	
	" Y21 "	"	6	208.333	1,249.998	
	" a101 "	"	78	51.250	3,997.500	
	" b201 "	"	82	59.375	4,868.750	
	" b201e "	"	6	62.500	375.000	
	" d41e "	"	44	43.333	1,906.652	
	" e61 "	"	3	18.750	56.250	
	" e61 WP "	"	1	18.750	18.750	
	" f11 "	"	32	59.375	1,900.000	
	" g101 "	"	2	25.833	51.666	
	" h101 "	"	16	55.417	886.672	
	" k41e "	"	4	11.250	45.000	
	" J21 WP "	"	2	109.583	219.166	
	Spare parts		1		34,406.083	
	Miscellaneous materials		1		3,686.383	
	Transportation		1		2,529.167	
	Miscellaneous cost		1		6,325.000	
	Labor cost		1		11,695.833	

NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
	Painting cost		1		125.000	
	Packing cost for exportation		1		12,658.333	
	Sub-total				159,930.000	
a-4	Power Control System					
	Electrical wire 600V I.V. 2.0mm	m	1,810	0.079	142.990	
	" " " 2 mm <sup>2</sup>	"	864	0.063	54.432	
	" " " 5.5	"	431	0.146	62.926	
	" " " 14	"	61	0.358	21.838	
	" " " 22	"	175	0.542	94.850	
	Cable 600V CV Cable 3.5mm <sup>2</sup> - 3C	"	27	0.546	14.742	
	" " " 22 mm <sup>2</sup> - 3C	"	11	2.157	23.694	
	" " " 5.5mm <sup>2</sup> - 3C	"	79	0.700	55.300	
	Conduit pipe (19)mm	P.C	37	1.304	48.248	
	" (25)	"	71	1.825	129.575	
	" (31)	"	34	2.408	81.872	
	" (39)	"	9	2.846	25.614	
	" (51)	"	4	4.233	16.932	
	" PE (22)	"	3	7.500	22.500	
	" " (28)	"	29	9.583	277.907	

NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
	Conduit pipe PE (42)mm	P.C	3	13.750	41.250	
	Accessories		1		148.917	
	Outlet box Large size square Deep type WP	P.C	1		1.667	
	Normal bend (31)	"	2	0.792	1.584	
	" (39)	"	4	1.125	4.500	
	" (51)	"	1		1.917	
	" PE (42)	"	1		5.417	
	Flexible conduit tube (24)	m	3	1.167	5.001	
	" (30)	"	2	2.167	4.334	
	" (50)	"	1		3.854	
	Pull box A Type 200 x 200 x 200	P.C	4	15.875	63.500	
	" C Type 400 x 400 x 200	"	1		62.083	
	Power control board GP-1	Set	1		4,664.583	
	" LP-1	"	1		2,650.000	
	" 2P-1	"	1		7,718.750	
	Switch panel S-1	"	1		395.833	
	" S-2	"	1		333.333	
	" With MCB 3P 50AF/30AT	"	1		83.333	
	" With MCB 3P 50AF	"	1		104.167	
	Lighting fixture i05 Type	"	1		22.917	
	" j05 "	"	1		18.750	
	Floatless switch 2P With holder	"	1		16.167	

NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
	Spare parts		1		3,813.333	
	Miscellaneous materials		1		636.608	
	Transportation		1		437.500	
	Miscellaneous cost		1		1,091.667	
	Labor cost		1		1,750.000	
	Packing cost for exportation		1		2,187.500	
	Sub-total				27,342.000	
a-5	Earthing					
	Electrical wire 600V I.V. 38 m m <sup>2</sup>	m	20	0.867	17.340	
	Conduit pipe Vinyl pipe (22)mm	P.C	5	0.913	4.565	
	Accessories		1		1.138	
	Ground terminal box	Set	1		187.500	
	Coupling earth bar 14φ l = 1500	P.C	5	6.333	31.665	
	Lead terminal for 14φ	"	5	1.708	8.540	
	Miscellaneous materials		1		7.592	
	Transportation		1		5.000	
	Miscellaneous cost		1		15.833	
	Labor cost		1		45.833	
	Packing cost for exportation		1		25.000	

NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
a-6	Sub-total				350.000	
	Piping for Telephone System					
	Electrical wire TIVF 0.8mm - 2C	m	353	0.042	14.826	
	Cable ccp Cable 0.5mm - 10P	"	54	0.575	31.050	
	Conduit pipe (19)mm	P.C	47	1.304	61.288	
	" (25)	"	18	1.825	32.850	
	Accessaries		1		23.538	
	Outlet box Medium size square Shallow type	P.C	12	0.333	3.996	
	Nozzle plate	"	9	0.613	5.517	
	Terminal board GT-1 10P	Set	1		79.167	
	" IT-1 20P	"	1		108.333	
	" IT-2 100P	"	1		486.667	
	Miscellaneous materials		1		27.879	
	Transportation		1		16.667	
	Miscellaneous cost		1		45.833	
	Labor cost		1		304.167	
	Packing cost for exportation		1		87.500	
	Sub-total				1,330.000	

NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
a-7	Clock System					
	Electrical wire 600V I.V. 1.2mm	m	474	0.038	18.012	
	" " 2 mm <sup>2</sup>	"	175	0.063	11.025	
	Cable CVVS Cable 2mm <sup>2</sup> - 5C	"	55	1.104	60.720	
	" CPEV Cable 0.65mm-30P	"	20	2.229	44.580	
	Conduit pipe (19)mm	P.C	48	1.304	65.592	
	" (25)	"	9	1.825	16.425	
	" (31)	"	16	2.408	38.528	
	" (39)	"	6	2.846	17.076	
	Accessories		1		33.658	
	Normal bend (31)	P.C	4	0.792	3.168	
	" (39)	"	3	1.125	3.375	
	Outlet box Medium size square Shallow type	"	15	0.333	4.955	
	Pull box A Type 200 x 200 x 200	"	1		15.875	
	Terminal board 1S-1 20P	Set	1		108.333	
	Slave clock Concealed type 400p	"	1		82.500	
	" Liquid crystal type	"	1		3,562.500	
	Interval time indicator	"	1		3,604.167	
	Spare parts	"	1		2,000.000	
	Miscellaneous materials		1		287.767	
	Transportation		1		200.000	

NO	ITEM AND DESCRIPTION	UNTS	QUANTITIES	UNIT COST	TOTAL	REMARKS
	Miscellaneous cost		1		500.000	
	Labor cost		1		437.500	
	Packing cost for exportation		1		995.833	
	Sub-total				12,109.000	
a-8	Opening Buzzer System					
	Electrical wire 600V I.V. 2 m <sup>2</sup>	m	724	0.063	45.612	
	Conduit pipe (19)mm	P.C	60	1.304	78.240	
	Accessaries		1		19.563	
	Outlet box Large size square Deep type	P.C	12	1.000	12.000	
	Buzzer	"	11	3.042	33.462	
	Spare parts	Set	1		6.083	
	Miscellaneous materials		1		6.229	
	Transportation		1		4.167	
	Miscellaneous cost		1		11.667	
	Labor cost		1		300.000	
	Packing cost for exportation		1		20.833	
	Sub-total				538.000	
						REMARKS



NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
a-9	Alarm System					
	Electrical wire 600V I.V. 1.2mm	m	3,450	0.038	131.100	
	" HIV 1.2mm	"	2,260	0.063	142.380	
	Cable CPEV Cable 1.2mm-10P	"	13	1.417	18.421	
	Conduit pipe (19)mm	P.C	214	1.304	279.056	
	" (25)	"	62	1.825	113.150	
	" (39)	"	1	2.846	2.846	
	Accessories		1	98.771	98.771	
	Normal bend (39)	P.C	1	1.125	1.125	
	Outlet box Medium size square Shallow type	"	127	0.333	42.291	
	" Medium size square Deep type	"	13	0.667	8.671	
	" Large size square Deep type	"	2	1.125	2.250	
	Pull box A Type 200 x 200 x 200	"	4	15.875	63.500	
	Outlet box (Exposed type) (19) Two way	P.C	6	1.375	8.250	
	Control panel 1st class 5 zone	Set	1		1,433.333	
	Annunciator 5 zone	"	2	228.333	456.666	
	Manual fire alarm box P Type 1st class	P.C	2	50.417	100.834	
	Fire alarm bell	"	10	14.583	145.830	
	Fixed temperature detector Spot type	"	127	14.167	1,799.209	
	Spare parts		1		957.500	

NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
	Miscellaneous materials		1		172.642	
	Transportation		1		116.667	
	Miscellaneous cost		1		291.667	
	Labor cost		1		2,000.000	
	Painting cost		1		16.667	
	Packing cost for exportation		1		595.833	
	Sub-total				8,999.000	
a-10	Piping for Boardcasting					
	Conduit pipe (25)mm	P.C	186	1.825	339.450	
	" (31)	"	404	2.408	972.832	
	" (51)	"	29	4.233	122.757	
	" (63)	"	20	6.496	129.920	
	Accessories		1		391.275	
	Normal bend (31)	P.C	93	0.792	73.656	
	" (51)	"	9	1.917	17.253	
	" (63)	"	65	4.583	297.895	
	Switch box (Exposed type) (31)mm For 2	"	1		2.533	
	Outlet box Large size square Deep type	"	27	1.125	30.375	

NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
	Switch box For 1	P.C	2	0.583	1.166	
	Pull box A Type 200 x 200 x 200	"	6	15.875	95.250	
	" B Type 300 x 300 x 200	"	4	25.125	100.500	
	" C Type 400 x 400 x 200	"	3	62.083	186.249	
	Outlet box B2 Type (Concealed)	"	18	37.500	675.000	
	" B1 " (Exposed)	"	14	33.333	466.662	
	" C " (PA. Connection)	"	1		83.333	
	" D " (CAM1 - CAM4)	"	4	666.667	2,666.668	
	" E " (CAM5)	"	1		62.500	
	" F "	"	14	116.667	1,633.338	
	" W "	"	9	158.333	1,424.997	
	Wiring duct 100 x 100	m	18	35.417	637.506	
	" 200 x 200	"	33	68.750	2,268.750	
	" 200 x 300	"	80	87.500	7,000.000	
	Accessories		1		990.625	
	Operation box	Set	1		125.000	
	Miscellaneous materials		1		624.467	
	Transportation		1		429.167	
	Miscellaneous cost		1		1,066.667	
	Labor cost		1		3,350.000	
	Packing cost for exportation		1		2,141.667	
	Sub-total				28,408.000	

NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
a-11	Piping for Simultaneous Interpretation System					
	Conduit pipe (31)mm	P.C	142	2.408	341.936	
	Accessories		1		85.496	
	Normal bend (31)mm	P.C	18	0.792	14.256	
	Outlet box B <sub>2</sub> Type (Concealed)	Set	74	37.500	2,775.000	
	Wiring duct 400 x 200	m	36	104.167	3,750.012	
	Accessories		1		375.000	
	Miscellaneous materials		1		220.771	
	Transportation		1		150.000	
	Miscellaneous cost		1		379.167	
	Labor cost		1		962.500	
	Packing cost for exportation		1		750.167	
	Sub-total				9,805.000	

NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL unit: \$	REMARKS
b	PLUMBING WORK					
b-1	Water supply & hot water supply work		1		3,675	
b-2	Fire extinguishing work		1		2,958	
b-3	Drainage, Sewage and vent piping work		1		10,429	
b-4	Sanitary fixture work		1		12,191	
b-5	Kitchen fixture work		1		19,112	
b-6	Gas supply work		1		275	
	Total				48,640	

NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
b-1	Water supply & hot water supply work					
	Galvanized steel pipe 75mm	m	12	4.625	55.500	
	" 65mm	"	22	3.917	86.174	
	" 50mm	"	11	2.750	30.250	
	" 40mm	"	33	2.000	66.000	
	" 32mm	"	24	1.750	42.000	
	" 25mm	"	106	1.333	141.298	
	" 20mm	"	186	0.917	170.562	
	Flange & joiner		1	355.042	355.042	
	Suspension steel bar		1	59.167	59.167	
	Vibration isolator		1	88.750	88.750	
	Gate valve 10kg/cm <sup>2</sup> 65mm	set	1	52.417	52.417	
	" 32mm	"	1	16.250	16.250	
	" 25mm	"	1	10.417	10.417	
	" 20mm	"	4	7.042	28.168	
	" 15mm	"	4	5.083	20.332	
	Antisweat covering work		1	242.083	242.083	
	Asphalt jute covering		1	136.667	136.667	
	Excavate & back filling for ground		1	796.250	796.250	
	Sleeve & insert work		1	24.000	24.000	
	Painting		1	32.000	32.000	
	Piping		1	800.000	800.000	
	Repairing cost of chipping		1	40.000	40.000	
	Test running		1	16.000	16.000	

NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
	Miscellaneous materials		1		36.667	
	Miscellaneous cost		1		170.006	
	Transportation & packing cost for exportation		1		160.000	
	Sub-total				3,675.000	
b-2	Fire extinguishing work					
	Fire extinguishing pump. 40BMSIIx150ℓ/min x38mx2.2kW	set	1		1,904.167	With 50GV and compound gauge
	Installation		1		4.167	
	Fire hydrant box	set	1		383.333	
	Installation		1		23.333	
	Galvanized steel pipe 50mm	m	19	2.750	52.250	
	Joiner		1		31.250	
	Suspension steel bar		1		5.417	
	Vibration isolator		1		7.917	
	Antisweat covering work		1		8.333	
	Asphalt jute covering		1		11.250	
	Sleeve & insert covering		1		2.083	
	Painting		1		2.500	
	Piping		1		60.000	

NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
	Repairing cost of chipping		1		3.333	
	Test running		1		1.250	
	Miscellaneous materials		1		4.167	
	Excavate & back filling for ground		1		83.333	
	Miscellaneous cost		1		130.500	
	Transportation & packing cost for exportation		1		240.417	
	Sub Total				2,958.000	
b-3	Drainage, sewage and vent piping work					
	Drain pump 40DSWx100ℓ/minx5m x0.25kW	set	1		233.333	
	Installation		1		4.167	
	Rigid polyvinyl chloride pipe (for drain) 150mm	m	27	6.917	186.759	
	" ( " ) 100mm	"	121	2.417	292.457	
	" ( " ) 75mm	"	60	2.250	135.000	
	" ( " ) 65mm	"	21	1.500	31.500	
	" ( " ) 50mm	"	88	1.167	102.696	
	" ( " ) 40mm	"	29	0.833	24.157	
	" ( " ) 32mm	"	1		0.583	
	" ( " ) 25mm	"	2	0.458	0.916	



NO	ITEM AND DESCRIPTION	UNTS	QUANTITIES	UNIT COST	TOTAL	REMARKS
	Vinyl fitting		1		928.792	
	Suspension steel bar		1		387.000	
	Vibration isolator		1		154.792	
	Rigid polyvinyl chloride pipe (for vent) 75mm	m	29	2.290	65.250	
	" " " " ( " ) 50mm	"	90	1.167	105.030	
	" " " " ( " ) 40mm	"	8	0.833	6.664	
	Vinyl fitting		1		212.500	
	Suspension steel bar		1		88.458	
	Vibration isolator		1		35.417	
	Lead pipe (for drain) 75mm	m	21	12.833	269.493	
	" " ( " ) 65mm	"	2	12.833	25.666	
	" " ( " ) 50mm	"	10	6.500	65.000	
	" " ( " ) 40mm	"	1		4.625	
	" " ( " ) 32mm	"	40	3.500	140.000	
	Joint material		1		75.833	
	Clean-out fitting (waterproof type) 150mm	set	1		21.250	
	" " ( " ) 100mm	"	11	8.417	92.587	
	" " ( " ) 75mm	"	5	15.750	78.750	
	" " ( " ) 65mm	"	4	15.042	60.168	
	" " ( " ) 50mm	"	5	10.250	51.250	
	Sink drainage fitting T14B 50mm	"	1		114.583	

NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
	Floor drain T5A 75mm	set	1		24.917	
	" " 50mm	"	9	13.375	120.375	
	Check valve 20mm	"	1		5.458	
	U type trap 40mm	"	4	20.833	83.332	
	Grease trap	"	1		1,079.167	
	Vent cap 75mm	pc	1		7.000	
	" 50mm	"	3	7.000	21.000	
	Sleeve & insert		1		50.917	
	Antisweat covering work		1		117.167	
	Asphalt jute covering		1		60.417	
	Painting		1		67.917	
	Piping		1		1,697.375	
	Repairing cost of chipping		1		84.875	
	Test running		1		33.958	
	Excavate & back fill for ground		1		1,795.833	
	Miscellaneous materials		1		165.833	
	Miscellaneous cost		1		466.821	
	Transportation & packing cost for exportation		1		552.917	
	Sub total				10,429.000	

NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
b-4	Sanitary fixture work					
	Water cooler	set	6	337.500	2,025.000	
	Air towel	"	5	204.167	1,020.835	
	Closest bowl	"	8	169.042	1,352.336	
	"	"	8	116.917	935.336	
	Urinal	"	8	298.958	2,391.664	
	"	"	1	65.917	65.917	
	Closest	"	19	59.167	1,124.173	
	"	"	3	179.167	537.501	
	Sink	"	2	210.958	421.916	
	Mirror	"	7	24.042	168.294	
	Shower set	"	1	30.750	30.750	
	Swing faucet	pc	7	6.958	48.706	
	Universal faucet	"	2	7.333	14.666	
	Wall fauset	"	19	5.167	98.173	
	Installation		1	728.333	728.333	
	Repairing cost of chipping		1	36.667	36.667	
	Test running		1	14.583	14.583	
	Miscellaneous materials		1	307.083	307.083	
	Miscellaneous cost		1	563.000	563.000	
	Transportation		1	307.083	307.083	
	Sub-total				12,191.000	

NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
b-5	Kitchen fixture work					
	Ice maker	set	1		2,084.375	
	Reach-in refrigerator	"	1		2,756.333	
	W-sink	"	1		634.333	
	Water boiler	"	1		270.500	
	Gas range	"	1		1,207.208	
	Work table	"	1		695.833	
	Table	"	1		225.833	
	Food warmer	"	1		1,123.708	
	Ice cream stocker	"	1		339.833	
	W-sink	"	1		619.167	
	Coffee maker	"	1		1,184.750	
	Juice dispenser	"	1		848.708	
	Cold table	"	1		636.292	
	Work table	"	1		309.333	
	Gas table	"	1		61.208	
	Dust table	"	1		367.917	
	2-comp't sink	"	1		690.625	
	Clean table	"	1		294.833	
	Water cooler	"	1		308.000	
	Bottle cooler	"	2	843.958	1,687.916	
	Installation	"	1		1,495.833	
	Miscellaneous cost		1		821.379	

NO	ITEM AND DESCRIPTION	UNTS	QUANTITIES	UNIT COST	TOTAL	REMARKS
	Transportation		1		450.000	
	Sub-total				19,112.000	
b-6	Gas supply work					
	Galvanized steel pipe 32mm	m	9	1.750	15.750	
	" 20mm	"	6	0.917	5.502	
	Joiner		1		17.083	
	Suspension steel bar		1		4.583	
	Gas cock 32mm	pc	2	25.417	50.834	
	" 20mm	"	1		12.917	
	Single outlet 15mm	"	1		2.917	
	Concrete valve pit 300x300x300H	set	1		42.000	
	Sleeve & insert		1		1.250	
	Asphalt jute covering		1		5.167	
	Painting		1		1.667	
	Piping		1		37.917	
	Repairing cost of chipping		1		2.083	
	Test running		1		0.833	
	Miscellaneous materials		1		1.250	
	Excavate & back filling for ground		1		45.833	



NO	ITEM AND DESCRIPTION	UNTS	QUANTITIES	UNIT COST	TOTAL unit: \$	REMARKS
c	VENTILATION AND AIR CONDITIONING WORK					
c-1	Cooling source equipment installation work					
	(1) Refrigerator		1		38,577	
	(2) Pumps		1		2,950	
	Sub-total				41,570	
c-2	Air conditioning work					
	(1) Air duct		1		220,773	
	(2) Piping		1		40,528	
	(3) Air handling unit		1		89,166	
	(4) Automatic control		1		30,460	
	Sub-total				380,927	
c-3	Ventilation work					
	(1) Ventilating fan		1		8,166	
	(2) Air duct		1		18,416	
	Sub-total				26,582	
	Total				449,036	

NO	ITEM AND DESCRIPTION	UNTS	QUANTITIES	UNIT COST	TOTAL	REMARKS
c-1 (1)	Cooling source equipment installation work					
	Refrigerator	set	1		31,541.667	
	Chilling unit 40 USRT		1		3,904.167	
	Vibration absorber and concrete base installation		1		197.500	
	Expansion tank 600x600x600	set	2	750.000	1,500.000	
	Base (steel frame) Wall mounting type	set	1		233.333	
	" Floor mounting type	set	1		310.250	
	Installation		1		41.667	
	Miscellaneous materials		1		152.083	
	Test running		1		208.333	
	Miscellaneous cost		1		379.916	
	Transportation		1		152.083	
	Sub-total					38,621.000
(2)	Pumps					
	Chilled pump		1		529.167	
	Installation		1		4.167	
	Pipe line pump 50φx290ℓ./minx20mx2.2kW	set	1		2,279.167	
	Water supply pump	set	1			



NO	ITEM AND DESCRIPTION	UNTS	QUANTITIES	UNIT COST	TOTAL	REMARKS
	Installation		1		20.833	
	Concrete base		1		6.250	
	Test running		1		8.333	
	Miscellaneous cost		1		62.500	
	Transportation		1		39.583	
	Sub-total				2,950.000	
c-2	Air conditioning work					
(1)	Air duct					
	Galvanized steel sheet 0.6mm	sheet	482	3.625	1,747.250	
	" 0.8mm	"	836	4.667	3,901.612	
	" 1.0mm	"	288	5.625	1,620.000	
	Connection flange, rivet, bolt, support metal parts (with vibration isolator)		1		6,541.667	
	Installation of air duct 0.6mm	sheet	482	5.958	2,871.756	
	" 0.8mm	"	836	6.958	5,816.888	
	" 1.0mm	"	288	7.500	2,160.000	
	Insulation of air duct 50mm		1		4,916.667	
	Mortar finished work for air duct		1		21,991.667	
	Steel sheet round duct (0.4mm) 225φ	m	115	4.042	464,830	

NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
	Joint duct		1		278.875	
	Suspension steel bar		1		46.500	
	Installation of air duct		1		225.208	
	Canvas connection for duct				2,208.333	(with sound protection mat)
	Outlet SR-H 700x400	set	1		76.250	
	" " 600x500	"	1		77.500	
	" " 200x150	"	1		26.458	
	" H-S 500x400	"	2	51.458	102.916	
	" " 500x200	"	10	39.167	391.670	
	" VH-S 1000x500	"	40	137.083	5,483.320	
	" " 300x300	"	1		39.167	
	Diffuser Y-S No.6	"	1		24.375	
	" A-2R(SED) No.16	"	8	109.792	878.336	
	" ( " ) No.12	"	10	67.083	670.830	
	" ( " ) No.10	"	7	54.583	382.081	
	" ( " ) No.8	"	4	45.833	183.332	
	" ( " ) No.6	"	10	37.292	372.920	
	" BR-AC(SED. ) No.12	"	32	76.250	2,440.000	
	Outlet PL-S 4800L	"	1		148.958	
	" " 2200L	"	8	71.042	568.336	
	" " 2000L	"	1		64.583	
	Inlet SR-H 2000x400	"	1		203.125	
	" " 1200x350	"	1		126.250	



NO	ITEM AND DESCRIPTION	UNTS	QUANTITIES	UNIT COST	TOTAL	REMARKS
	Air volume control damper	set	1		88.750	
	"	"	1		85.000	
	"	"	1		83.333	
	"	"	1		69.583	
	"	"	2	65.417	130.834	
	"	"	2	66.250	132.500	
	"	"	1		65.417	
	"	"	2	60.833	121.666	
	"	"	1		59.583	
	"	"	2	47.500	95.000	
	"	"	1		46.250	
	"	"	5	43.333	216.665	
	"	"	11	43.333	476.663	
	"	"	1		43.333	
	"	"	1		43.333	
	Silencer	"	8	1,479.167	11,833.336	
	elbow	(□)	1		1,370.000	
	"	(")	5	1,302.083	6,510.415	
	"	(")	2	1,000.000	2,000.000	
	"	(")	2	820.833	1,641.666	
	"	(")	3	760.417	2,281.251	
	"	(")	3	625.000	1,875.000	
	"	(")	1		677.083	

NO	ITEM AND DESCRIPTION	UNTS	QUANTITIES	UNIT COST	TOTAL	REMARKS
	Silencer elbow	set	1		677.083	
	(□) 660x600	"	3	677.083	2,031.249	
	(") 620x550	"	3	619.792	1,859.376	
	(") 620x500	"	2	578.333	1,156.666	
	(") 610x350	"	3	552.083	1,656.249	
	(") 600x600	"	2	520.833	1,041.666	
	(") 600x500	"	4	479.167	1,916.668	
	(") 570x230	"	1		541.667	
	(") 560x600	"	1		416.667	
	(") 550x300	"	1		416.667	
	(") 530x300	"	2		708.334	
	(") 500x350	"	1	354.167	692.917	
	(") 480x850	"	6	333.333	1,999.998	
	(") 450x300	"	3	333.333	999.999	
	(") 430x300	"	4	609.583	2,438.332	
	(") 400x900	"	1		317.917	
	(") 400x400	"	1		270.833	
	(") 400x300	"	4	562.500	2,250.000	
	(") 350x720	"	4	526.250	2,105.000	
	(") 350x610	"	2	343.750	687.500	
	(") 350x450	"	2	250.000	500.000	
	(") 320x200	"	2	401.250	802.500	
	(") 300x600	"	1		401.250	
	(") 300x550	"				

NO	ITEM AND DESCRIPTION	UNTS	QUANTITIES	UNIT COST	TOTAL	REMARKS
	Silencer elbow (□) 300x530	set	2	401.250	802.500	
	" (") 300x450	"	1		317.917	
	" (") 300x430	"	2	317.917	635.834	
	" (") 300x300	"	6	245.000	1,470.000	
	" (") 230x570	"	3	395.000	1,187.495	
	" (") 200x200	"	6	187.500	1,125.000	
	" (O) 225φ	"	30	245.000	7,350.000	
	Silencer chamber 4000x1500x2000H	"	1		1,666.667	
	" 3700x1700x2650H	"	1		2,020.000	
	" 3400x2200x1500H	"	1		1,557.083	
	" 3300x1700x1500H	"	1		1,285.417	
	" 2800x1000x1500H	"	1		833.333	
	" 2300x750x1200H	"	1		528.333	
	" 2260x1200x1100H	"	1		639.167	
	" 2200x700x700H	"	1		350.000	
	" 1700x750x1000H	"	1		365.417	
	" 1600x1500x1200H	"	1		600.000	
	" 1500x1200x1000H	"	1		441.250	
	" 1400x650x800H	"	1		250.000	
	" 1350x750x600H	"	1		222.917	
	" 1250x1000x800H	"	1		299.167	
	" 1250x800x800H	"	1		259.167	
	" 1250x600x800H	"	1		218.750	

NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
	Silencer chamber	set	1		175.833	
	"	"	1		333.750	
	"	"	1		332.917	
	"	"	1		424.167	
	"	"	1		410.833	
	"	"	1		234.583	
	"	"	1		215.000	
	"	"	1		246.250	
	"	"	1		246.667	
	"	"	2	219.583	439.166	
	"	"	1		256.250	
	"	"	1		267.083	
	"	"	2	112.083	224.166	
	"	"	1		142.083	
	"	"	1		347.500	
	"	"	1		235.417	
	"	"	1		128.750	
	"	"	2	113.750	227.500	
	"	"	1		230.417	
	"	"	64	86.250	5,520.000	
	"	"	1		198.333	
	"	"	1		112.083	
	"	"	16	82.500	1,320.000	

NO	ITEM AND DESCRIPTION	UNTS	QUANTITIES	UNIT COST	TOTAL	REMARKS
	Silencer chamber	set	1		171.250	
	"	"	1		73.300	
	"	"	6	63.750	382.500	
	"	"	5	47.083	235.415	
	"	"	1		43.333	
	"	"	9	39.583	356.247	
	"	"	1		20.833	
	"	"	1		244.167	
	"	"	8	116.667	933.336	
	"	"	1		106.667	
	"	"	1		23.750	
	Air chamber	"	1		314.583	
	"	"	1		165.000	
	"	"	1		357.083	
	"	"	1		256.667	
	"	"	1		83.333	
	"	"	2	32.083	64.166	
	"	"	1		32.083	
	"	"	1		110.417	
	"	"	1		16.250	
	Installation of outlet, inlet, diffuser and damper		1		1,802.917	
	Insert and sleeve work		1		7,729.167	
	Painting		1		11,591.667	



NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
	Miscellaneous materials		1		437.500	
	Test running		1		2,583.333	
	Miscellaneous cost		1		9,700.807	
	Transportation and packing cost for exportation		1		16,991.667	
	Sub-total				220,773.000	
(2)	Piping					
	Galvanized steel pipe 150mm	m	236	11.958	2,822.088	(For chilled water)
	" 125mm	"	30	8.875	226.250	( " )
	" 100mm	"	93	6.750	627.750	( " )
	" 75mm	"	116	4.625	536.500	( " )
	" 65mm	"	125	3.917	489.625	( " )
	" 50mm	"	96	2.750	264.000	( " )
	" 40mm	"	62	2.000	124.000	( " )
	" 32mm	"	45	1.750	78.750	( " )
	" 25mm	"	103	1.333	137.299	( " )
	" 20mm	"	20	0.917	18.340	( " )
	" 15mm	"	61	0.750	45.750	( " )
	Flange, joiner and suspension steel bar		1		4,869.375	(With vibration isolator)
	Galvanized steel pipe 32mm	m	7	1.750	12.250	(For water supply)

NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
	Galvanized steel pipe 25mm	m	132	1.333	175.956	(For water supply)
	Flange, joiner and suspension steel bar		1		160.000	(With vibration isolator)
	Galvanized steel pipe 75mm	m	38	4.625	175.750	(For drain)
	"	"	63	3.917	246.771	( " )
	"	"	22	2.750	60.500	( " )
	"	"	38	2.000	76.000	( " )
	"	"	12	1.750	31.500	( " )
	"	"	17	1.333	22.661	( " )
	Flange, joiner and suspension steel bar		1		632.792	(With vibration isolator)
	Gate valve 150mm	pc	2	170.000	340.000	
	" 100mm	"	5	90.667	453.335	
	" 75mm	"	5	68.750	343.750	
	" 65mm	"	18	52.417	943.506	
	" 50mm	"	5	30,708	153.540	
	" 40mm	"	10	21.250	212.500	
	" 32mm	"	12	16.208	194.496	
	" 25mm	"	8	10.333	82.664	
	" 20mm	"	9	7.042	63.378	
	" 15mm	"	23	5.083	116.909	
	Check valve 32mm	"	1		12.292	
	" 25mm	"	1		7.333	
	Flexible pipe 150x500L	"	4	168.750	675.000	
	" 75x300L	"	2	81.250	162.500	

NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
	Flexible pipe 65x300L	pc	3	72.917	218.751	
	" 32x300L	"	2	49.000	98.000	
	" 25x300L	"	1		42.500	
	Strainer (Y-type) 100mm	"	2	142.500	285.000	
	" ( " ) 75mm	"	2	106.667	213.334	
	" ( " ) 65mm	"	2	85.833	171.666	
	" ( " ) 50mm	"	2	57.917	115.834	
	" ( " ) 40mm	"	4	28.750	115.000	
	" ( " ) 32mm	"	4	22.500	90.000	
	" ( " ) 25mm	"	2	15.000	30.000	
	Indirect drain hopper 150mmx75mm	"	1		6.875	
	" 100mmx50mm	"	1		4.875	
	" 100mmx40mm	"	7	4.875	34.125	
	Trap (U-type) 75mm	"	1		29.875	
	" ( " ) 65mm	"	2	20.833	41.666	
	" ( " ) 40mm	"	1		20.833	
	" ( " ) 32mm	"	7	20.833	145.831	
	Clean out COC 75mm	"	4	5.125	20.500	
	" " 65mm	"	6	4.125	24.750	
	" " 40mm	"	2	2.000	4.000	
	" " 32mm	"	14	1.875	26.250	
	Thermometer	"	20	3.333	66.660	
	Insulation for pipe and valve		1		9,474.583	
	Painting		1		310.917	

NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
	Piping work		1		6,218.333	
	Sleeve and insert work		1		889.750	
	Miscellaneous materials		1		355.875	
	Repairing cost of chipping		1		1,186.333	
	Excavate and back fill for ground		1		38.333	
	Test running		1		186.542	
	Miscellaneous cost		1		1,704.232	
	Transportation and packing cost for exportation				2,721.667	
	Sub-total				40,528.000	
(3)	Air handling unit					
	Air handling unit 5600m <sup>3</sup> /Hx80mmx30kW (Stage)	set	1		21,220.833	
	Base and vibration isolator		1		3,947.083	
	Installation		1		200.000	
	Air handling unit 1830m <sup>3</sup> /Hx100mmx11kW (Auditorium)		1		10,670.833	
	Base and vibration isolator		1		2,440.000	
	Installation		1		108.333	
	Air handling unit 11150m <sup>3</sup> /Hx60mmx5.5kW (Entrance)	set	1		5,053.333	

NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
	Base and vibration isolator Installation		1		1,476.250	
	Air handling unit (Lighting room)	set	1		66.667	
	5950m <sup>3</sup> /Hx100mmx5.5kW With air filter				3,408.333	
	Base and vibration isolator Installation		1		1,168.750	
	Air handling unit (Sub-control room)	set	1		58.333	
	4150m <sup>3</sup> /Hx100mmx3.7kW With air filter				2,547.500	
	Base and vibration isolator Installation		1		810.417	
	Air handling unit (V.I.P room)	set	1		52.083	
	3700m <sup>3</sup> /Hx60mmx3.7kW With air filter				3,505.000	
	Base and vibration isolator Installation		1		772.500	
	Air handling unit (Canteen)	set	1		49.167	
	3650m <sup>3</sup> /Hx60mmx3.7kW With air filter				3,505.000	
	Base and vibration isolator Installation		1		771.250	
	Air handling unit (Projection room)	set	1		47.917	
	2520m <sup>3</sup> /Hx60mmx2.2kW With air filter				1,764.583	
	Base and vibration isolator Installation		1		625.417	
	Air handling unit (Orchestra pit)	set	1		47.083	
	1680m <sup>3</sup> /Hx60mmx1.5kW With air filter				1,481.250	
	Base and vibration isolator Installation		1		603.333	
			1		46.250	



NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
(4)	Automatic control	set	11	150.000	1,650.000	
	Thermostat (Insertion type) (Proportional type) T915C	"	11	5.000	55.000	
	Support steel A341A-J	"	22	50.000	1,100.000	
	Relay R482C	"	11	387.500	4,262.500	
	Modutrol motor M904E	"	6	358.333	2,149.998	
	" M904F	"	15	75.000	1,125.000	
	Valve linkage Q455C	"	1	1,462.500	1,462.500	
	Three way valve V5065A 100x100	"	1	875.000	875.000	
	" " 65x65	"	1	533.333	533.333	
	" " 50x50	"	1	350.000	350.000	
	" " 40x32	"	3	300.000	900.000	
	" " 25x25	"	2	245.833	491.666	
	" " 25x20	"	4	812.500	3,250.000	
	Two way valve V5064A 65x65	"	15	37.500	562.500	
	Transformer AT72J1	"	6	93.750	562.500	
	Auxiliary switch Q631B	"	2	18.750	37.500	
	Change over switch APN2403	"	8	500.000	4,000.000	
	Control panel CP-1 400Wx600Hx250D	"	1	1,541.667	1,541.667	
	" CP-2 700Wx900Hx250D	"	2,620	0.063	165.060	
	Electrical wire IV 2.0	m	4	4.233	16.932	
	Conduit pipe 51mm	pc	11	2.408	26.488	
	" 31mm	"	68	1.825	124.100	
	" 25mm	"	50	1.304	65.200	
	" 19mm	"				

NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
	Accessories		1		58.183	
	Pull box 150 x100	pc	6	2.917	17.502	
	Mounting steel for thermostat	"	9	4.167	37.503	
	Flexible conduit pipe #24	set	18	2.479	44.622	
	" #17	"	9	1.875	16.875	
	Suspension steel bar		1		139.708	
	Miscellaneous materials		1		769.167	
	Painting		1		166.667	
	Labor cost		1		1,667.500	
	Test running		1		50.000	
	Miscellaneous cost		1		1,414.506	
	Transportation and packing cost for exportation		1		770.833	
	Sub-total				30,460.000	



NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
c-3 (1)	Ventilation work					
	Ventilating fan					
	Exhaust fan (Stage)	Unit fan #2x4200m <sup>3</sup> /Hx45mmx2.2kW	set	2	1,807.500	3,615.000
	Base				22.500	
	Installation				58.333	
	Exhaust fan (W.C. (1))	Unit fan (TFU-301)x1810m <sup>3</sup> /H x20mmx0.75kW	set	1		807.500
	Installation				22.083	
	Exhaust fan (Kitchen)	Unit fan (TFU-301)x1800m <sup>3</sup> /H x20mmx0.75kW	set	1		807.500
	Installation				22.083	
	Exhaust fan (W.C. (2)(3))	Unit fan (TFU-201)x350m <sup>3</sup> /Hx15mm x0.2kW	set	1		479.167
	Installation				20.417	
	Exhaust fan (Wash room)	Unit fan (TFU-202)x450m <sup>3</sup> /H x20mmx0.2kW	set	1		479.167
	Installation				20.417	
	Exhaust fan (W.C. (4))	Unit fan (TFU-201)x100m <sup>3</sup> /H x15mmx0.2kW	set	1		479.167
Installation				20.833		

NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
	Exhaust fan Unit fan (Projection room) (TFU-201)x285m <sup>3</sup> /H x15mmx0.2kW	set	1		479.167	
	Installation		1		20.833	
	Test running		1		5.417	
	Miscellaneous materials		1		214.583	
	Miscellaneous cost		1		378.070	
	Transportation		1		214.583	
	Sub-total				8,166.000	
(2)	Air duct					
	Galvanized steel sheet 0.8mm	sheet	90	4.667	420,030	
	" 0.6mm	"	75	3.625	271.875	
	Connection flange, rivet, bolt and support metal parts (With vibration isolator)		1		728.750	
	Installation of air duct 0.8mm	sheet	90	6.958	626.220	
	" 0.6mm	"	75	5.958	446.850	
	Steel sheet round duct 0.4mm 250φ	m	2	4.458	8.916	
	" 0.4mm 200φ	"	129	3.583	462.207	
	Joint duct		1		283.333	
	Suspension steel bar		1		47.500	

NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
	Installation of round duct		1		239.583	
	Mortar finished work of air duct		1		585.000	
	Inlet Y-S No.10	set	4	47.500	190.000	
	" " No.8	"	9	29.375	264.375	
	" " No.6	"	3	24.375	73.125	
	" H-S 500x300	"	8	45.625	365.000	
	" " 250x250	"	1		28.333	
	" SR-H 250x200	"	2	30.417	60.837	
	" " 200x150	"	1		26.458	
	Outlet SR-H 250x200	"	1		30.417	
	Air volume control damper VD 450x500	"	2	70.000	140.000	
	" " 350x300	"	1		59.583	
	" " 200x300	"	1		46.250	
	" " 200φ	"	3	43.333	129.999	
	" " (With fire damper) FVD 300x250	"	1		83.333	
	Silencer elbow 650x300	"	2	500.000	1,000.000	
	" 450x500	"	4	401.250	1,605.000	
	" 350x300	"	3	270.833	812.499	
	" 300x650	"	4	442.917	1,771.668	
	" 200φ	"	7	187.500	1,312.500	
	Silencer chamber 1800x1900x350	"	1		462.500	
	" 980x350x300	"	1		72.917	
	" 350x300x300	"	2	29.583	59.166	

NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
	Air chamber 1100x650x550	set	1		81.250	
	" 480x350x500	"	1		28.333	
	" 350x350x300	"	2	16.250	32.500	
	Hood for exhaust 1000x600x600H	"	1		65.833	
	Canvas connection for duct		1		304.167	
	Installation of inlet, outlet and damper		1		216.667	
	Sleeve and insert work		1		916.667	
	Painting		1		1,375.000	
	Miscellaneous materials		1		66.667	
	Test running		1		304.167	
	Miscellaneous cost		1		782.358	
	Transportation and packing cost for exportation		1		1,529.167	
	Sub-total				18,416.000	

NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL Unit: \$	REMARKS
(3)	Several Expenses					
(3)-a	Field Expenses				334,151.250	
(3)-b	Transportation Expenses				249,500.000	
(3)-c	Escalation				437,875.000	
(3)-d	General Caretaking Expenses				456,741.666	
(3)-e	Expenses of Advisors in Each Work				50,416.667	
	Total				1,528,684.583	
					1,528,685.000	

NO	ITEM AND DESCRIPTION	UNTS	QUANTITIES	UNIT COST	TOTAL Unit: \$	REMARKS
	<b>ADDITIONAL BROADCASTING FACILITIES</b>					
(1)	Program Production Facilities	Set	1		175,687	
(2)	Stage & Lighting Facilities	"	1		7,048	
(3)	Public Addressing Facilities	"	1		128,562	
(4)	Installation Cost of Several Expenses	"	1		76,828	
	<b>Total</b>				388,125	

NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL Unit: \$	REMARKS
(1)	<p align="center"><b>ADDITIONAL BROADCASTING FACILITIES</b></p> <p>Program Production Facilities</p> <p>Color camera chain</p> <p>1) Camera head</p> <p>2) CCU</p> <p>3) Zoom lens</p> <p>4) Camera cable (50 m/m x 2)</p> <p>5) Pedestal &amp; dolly</p> <p>16 m/m Film projector</p> <p>Opaque roll unit</p> <p>Accessory of opaque camera chain</p> <p>20 inch B/W picture monitor</p> <p>12 inch B/W picture monitor</p> <p>Head phone</p> <p>Cyclorama include Flame cloth</p> <p>Croma-key unit</p> <p>Endless tape recorder NABA Type 5 ch (1 ch rec)</p> <p>Suspension microphone system Motorized type</p>	Set	1	91,666.666		
		"	1	22,666.666		
		"	1	1,666.666		
			2	1,291.666	2,583.333	
			3	625.000	1,875.000	
			5	83.333	416.665	
			1		8,333.333	
			1		7,083.333	
			1		10,750.000	
			1		24,000.000	

NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
	Preset fader for lighting system	Set	10	33.333	333.333	
	Master fader for lighting system	"	1		708.333	
	Cross fader for lighting system	"	1		708.333	
	DL switch for lighting system	"	5	20.833	104.165	
	Sub-total				7,048.824	
					7,048.000	
(3)	Public Addressing Facilities					
	Floor keeper	Set	1		5,500.000	
	Remaining time is displayed in picture monitor					
	Audio mixing console for PA in audience seat 4 inputs 5 outputs	"	1		10,250.000	
	LT Board	"	1		7,083.333	
	Battery for emergency light NI-A2 type 80 AH	"	180	166.666	29,999.880	
	Rectifier board for emergency light	"	1		7,083.333	
	Clock & controller of audience display	"	1		5,000.000	



NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
	Monitor mounting shelf	Set	1		4,166.666	
	Audio standard tape	"	6	62.500	375.000	
	Frequency disk	"	5	20.833	104.165	
	Sub-total				175,687.493	
					175,687.000	
(2)	Stage & Lighting Facilities					
	Suspension spot light		12	116.666	1,399.999	
	1KW 6: Convex lens					
	6: Fresnel lens					
	With filter holder 200%					
	Tower spot light		10	120.833	1,208.333	
	1KW 5: Convex lens					
	5: Fresnel lens					
	Ceiling spot light	"	1		625.000	
	Upper horizontal light	"	6	145.833	874.998	
	Low horizontal light	"	6	145.833	874.998	
	Light for audience for TV use	"	2	104.166	208.332	
	With 200% lamps					

NO	ITEM AND DESCRIPTION	UNITS	QUANTITIES	UNIT COST	TOTAL	REMARKS
	Buzzer switch for starting include audio mixing console	"	1		20.833	
	35 m/m motion picture projector include audio units	"	1		35,541.666	
	16 m/m motion picture projector	"	1		22,666.666	
	Screen for above	"	1		1,250.000	
	Shelf for battery	"	1		4,166.666	
	Sub-total				128,562.377	
					128,562.000	
(4)	Installation Cost of Several Expenses					
	Supervisor's cost	"	1		16,666.666	
	Installation cost	"	1		15,533.332	
	Escalation	"	1		44,629.166	
	Sub-total				76,828.494	
					76,828.000	

REFERENCE

Comparison of weights between Japanese-made iron frames (SK24, SD30, SD35) and rods (SM50, SS41) and Bangladesh-made ones.

Iron Frames		
Place to be used	Made in Japan	Made in Bangladesh
Foundation	6.5 t	9.7 t
Basic Beam	10.4 t	14.7 t
Column	25.8 t	26.8 t
Beam	64.3 t	64.3 t (Japanese-made)
Floor	24.1 t	40.6 t
Wall	24.7 t	27.6 t
Stairs, etc.	1.9 t	1.9 t
Pit	5.1 t	5.1 t
Iron Rods		
SRC	17.56 t	12.17 t

