

PROJECT: ASCOTT HOTEL  
SUBJECT: BUDGETARY COST BREAKDOWN (VERSION 5.0)  
PACKAGE: FIRE PROTECTION WORKS  
TYPE OF CONTRACT: DESIGN AND BUILD  
LOCATION: DD MERIDIAN PLAZA, EDSA EXT. CORNER D. MACAPAGAL AVENUE, PASAY CITY  
CONTRACTOR: H.O. ABALOS BUILDERS INC (HOABI)  
COMPLETION DATE /DURATION: 15 months  
DATE : OCTOBER 19, 2022

		Qty	Unit	Material Cost	Labor cost	Unit price	Total Unit price
A.	<b>Fire Protection Wet Stand Pipe Riser</b>						<b>2,239,930.00</b>
	150mm diameter B.I Pipe including fittings						
	150mm diameter B.I Pipe	288.00	lm	4,800.00	1,920.00	6,720.00	1,935,360.00
	150mm diameter Mechanical Coupling	68.00	pcs	2,500.00	1,000.00	3,500.00	238,000.00
	150mm diameter End Cap	3.00	pcs	2,200.00	880.00	3,080.00	9,240.00
	150mmx150mmx150mm B.I Tee	2.00	pcs	2,100.00	840.00	2,940.00	5,880.00
	150mmx150mmx100mm B.I Tee Reducer		pcs	-	-	-	-
	150mm B.I 90Deg Elbow	5.00	pcs	1,850.00	740.00	2,590.00	12,950.00
						-	-
	Escutcheon Plate	11.00	pcs	2,500.00	1,000.00	3,500.00	38,500.00
B.	<b>Fire Protection Wet Stand Valves and accessories</b>						<b>3,113,040.00</b>
	65mm x 65mm x 150mm Roof Manifold	2.00	sets	18,000.00	7,200.00	25,200.00	50,400.00
	4-65mm x 150mm Fire Department Connection ( Wet )	1.00	sets	35,000.00	14,000.00	49,000.00	49,000.00
	4-65mm x 150mm Fire Department Connection ( Dry )	1.00	sets	35,000.00	14,000.00	49,000.00	49,000.00
	150mm Check Valve	2.00	sets	26,000.00	10,400.00	36,400.00	72,800.00
	65mm diameter Fire Hose Valve w/ Cap & Chain	11.00	set/s	8,500.00	3,400.00	11,900.00	130,900.00
	100mm diameter Isolation Valve	22.00	pcs	26,000.00	10,400.00	36,400.00	800,800.00
	65mm dia Check Valve	2.00	pcs	16,000.00	6,400.00	22,400.00	44,800.00
	150mm dia Check Valve	2.00	pcs	32,000.00	12,800.00	44,800.00	89,600.00
	65mm dia OS & Y Gate Valve	2.00	pcs	17,500.00	7,000.00	24,500.00	49,000.00
	150mm dia OS & Y Gate Valve	9.00	pcs	32,000.00	12,800.00	44,800.00	403,200.00
	150mm dia Pressure Relief Valve w/ Waste Cone	2.00	pcs	160,000.00	64,000.00	224,000.00	448,000.00
	150mm dia Mechanical Groove Coupling	4.00	pcs	2,500.00	1,000.00	3,500.00	14,000.00
	Eagle Eye Flow Meter	2.00	pcs	45,000.00	18,000.00	63,000.00	126,000.00
	150mm Vertical Alarm Check Valve Assembly w/ Complete acc.	2.00	pcs	170,000.00	68,000.00	238,000.00	476,000.00
	150mm dia Float Valve		pcs				
	Vortex Plate ( assuming same as DDEW )	2.00	pcs	7,500.00	3,000.00	10,500.00	21,000.00
	Alarm Gong	1.00	sets	3,500.00	1,400.00	4,900.00	4,900.00
	Sensing line including fittings	1.00	lot	25,000.00	10,000.00	35,000.00	35,000.00
	<b>Others (Please specify)</b>				-	-	-
	Slip on flange 150mm	36.00	pcs	2,500.00	1,000.00	3,500.00	126,000.00
	Slip on flange 100mm	44.00	pcs	1,900.00	760.00	2,660.00	117,040.00
	Slip on flange 65mm	4.00	pcs	1,000.00	400.00	1,400.00	5,600.00
C.	<b>Fire Protection Feedmain</b>						<b>672,980.00</b>
	100mm diameter pipe including fittings						
	100mm diameter pipe	66.00	lm	2,600.00	1,040.00	3,640.00	240,240.00
	100mm diameter Mechanical Coupling	99.00	pcs	1,600.00	640.00	2,240.00	221,760.00
	100mmx100mmx100mm Groove End Tee	11.00	pcs	4,500.00	1,800.00	6,300.00	69,300.00
	100mm dia 90deg Groove End Elbow	33.00	pcs	1,800.00	720.00	2,520.00	83,160.00
	<b>Others (Please specify)</b>				-	-	-
	150mm x 100mm mechanical saddle tee	11.00	pcs	3,800.00	1,520.00	5,320.00	58,520.00
D.	<b>Fire Protection Feedmain Valve and Assembly</b>						<b>728,123.50</b>
	100mm diameter control valve supervisory switch incl fittings	11.00	sets	32,000.00	9,600.00	41,600.00	457,600.00
	Water Flow switch	11.00	pcs	6,500.00	1,950.00	8,450.00	92,950.00
	Pressure gauge 300 psi including fittings	11.00	sets	3,500.00	1,050.00	4,550.00	50,050.00
	25mm diameter auxiliary drain valve including fittings	11.00	sets	1,500.00	450.00	1,950.00	21,450.00
	25mm diameter B.I Pipe	18.00	lm	410.00	123.00	533.00	9,594.00
	25mmx25mmx25mm B.I Tee	22.00	pcs	90.00	27.00	117.00	2,574.00
	25mm dia B.I 90deg Elbow	22.00	pcs	110.00	33.00	143.00	3,146.00
	25mm B.I Union Patente	22.00	pcs	350.00	105.00	455.00	10,010.00
	1in diameter Gate Valve	22.00	pcs	400.00	120.00	520.00	11,440.00
	1/2 Globe Valve	11.00	pcs	250.00	75.00	325.00	3,575.00
	1/2inx1/4in Bushing Reducer	11.00	pcs	45.00	13.50	58.50	643.50
	25mm diameter inspector test valve including fittings					-	-
	<b>Others (Please specify)</b>					-	-
	15mm Ø B.I pipe	6.00	lm	265.00	79.50	344.50	2,067.00
	15mm Ø threadolet	11.00	pcs	180.00	54.00	234.00	2,574.00
	Sight glass	11.00	pcs	1,500.00	450.00	1,950.00	21,450.00
	Fire dept connection plate	2.00	pcs	15,000.00	4,500.00	19,500.00	39,000.00
E	<b>Fire Protection Cross Main</b>	1.00	lm				<b>11,899,440.00</b>
	100mm diameter B.I Pipe including fittings						-
	100mm diameter B.I Pipe	2,640.00	lm	2,600.00	1,040.00	3,640.00	9,609,600.00
	100mm diameter Mechanical Coupling	796.00	pcs	1,600.00	640.00	2,240.00	1,783,040.00
	100mmx100mmx100mm Groove End Tee	59.00	pcs	2,500.00	1,000.00	3,500.00	206,500.00
	100mmx50mm Mechanical Tee		pcs	-	-	-	-
	100mm diameter Grooved End Cap	67.00	pcs	2,100.00	840.00	2,940.00	196,980.00
	100mm dia 90deg Groove End Elbow	41.00	pcs	1,800.00	720.00	2,520.00	103,320.00
	50mm B.I Pipe including fittings		lm	-	-	-	-
	50mm B.I Pipe		lm	-	-	-	-
	50mmx50mmx50mm B.I Tee		pcs	-	-	-	-
	50mm x 40mm B.I Reducer		pcs	-	-	-	-
	50mmx32mm B.I Bell Reducer		pcs	-	-	-	-
	32mmx25mm B.I Bell Reducer		pcs	-	-	-	-
	50mm diameter B.I End Cap		pcs	-	-	-	-
	<b>Others (Please specify)</b>						-

F	Fire Protection Branch Line	1.00	lm				12,158,503.00
	40mm diameter B.I Pipe including fittings						-
	40mm diameter B.I Pipe	2,460.00	lm	650.00	260.00	910.00	2,238,600.00
	40mm x 25mm B.I Tee Reducer	148.00	pcs	260.00	104.00	364.00	53,872.00
	40mm x 32mm B.I Reducer	570.00	pcs	260.00	104.00	364.00	207,480.00
	32mm diameter B.I Pipe including fittings						-
	32mm diameter B.I Pipe	1,440.00	lm	555.00	222.00	777.00	1,118,880.00
	32mm x 25mm B.I Tee Reducer	180.00	pcs	175.00	70.00	245.00	44,100.00
	32mm x 25mm B.I Reducer	300.00	pcs	105.00	42.00	147.00	44,100.00
	25mm diameter B.I Pipe including fittings						-
	25mm diameter B.I Pipe	6,900.00	lm	410.00	164.00	574.00	3,960,600.00
	25mm x 25mm B.I Tee	650.00	pcs	120.00	48.00	168.00	109,200.00
	25mm B.I 90deg Elbow	6,284.00	pcs	85.00	34.00	119.00	747,796.00
	25mm x 15mm B.I Bell Reducer	3,300.00	pcs	65.00	26.00	91.00	300,300.00
	Others (Please specify)						-
	Mechanical saddle tee 100mm x 50mm	370.00	sets	2,100.00	840.00	2,940.00	1,087,800.00
	Mechanical saddle tee 100mm x 40mm	375.00	sets	2,100.00	840.00	2,940.00	1,102,500.00
	Mechanical saddle tee 100mm x 32mm	25.00	sets	2,100.00	840.00	2,940.00	73,500.00
	Mechanical saddle tee 100mm x 25mm	20.00	sets	2,100.00	840.00	2,940.00	58,800.00
	50mm B.I Pipe	390.00	lm	860.00	344.00	1,204.00	469,560.00
	50mmx50mmx50mm B.I Tee	370.00	pcs	380.00	152.00	532.00	196,840.00
	50mm x 40mm B.I Bell reducer	478.00	pcs	190.00	76.00	266.00	127,148.00
	50mmx32mm B.I Bell Reducer	222.00	pcs	190.00	76.00	266.00	59,052.00
	50mmx25mm B.I Bell Reducer	40.00	pcs	190.00	76.00	266.00	10,640.00
	40mmx40mmx40mm B.I Tee	410.00	pcs	140.00	56.00	196.00	80,360.00
	40mm x 25mm B.I Bell reducer	250.00	pcs	140.00	56.00	196.00	49,000.00
	32mmx32mmx32mm B.I Tee	75.00	pcs	175.00	70.00	245.00	18,375.00
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G	Fire Protection Drain Pipe Riser	1.00	lm				88,032.00
	50mm diameter pipe including fittings						-
	50mm diameter pipe	66.00	lm	860.00	344.00	1,204.00	79,464.00
	50mmx50mmx25mm B.I Tee	11.00	pcs	380.00	152.00	532.00	5,852.00
	50mm dia B.I 90deg Elbow	8.00	pcs	220.00	88.00	308.00	2,464.00
	50mm diameter B.I End Cap	1.00	pcs	180.00	72.00	252.00	252.00
	Others (Please specify)						-
H	Fire Protection Dry Stand Pipe Riser	1.00	lm				2,226,980.00
	150mm diameter B.I Pipe including fittings						-
	150mm diameter B.I Pipe	300.00	lm	2,550.00	1,020.00	3,570.00	1,071,000.00
	150mm diameter Mechanical Coupling	130.00	pcs	2,500.00	1,000.00	3,500.00	455,000.00
	150mm diameter End Cap		pcs				-
	150mmx150mmx150mm B.I Tee		pcs		-	-	-
	150mmx150mmx65mm B.I Tee Reducer		pcs		-	-	-
	150mm diameter B.I 90deg Elbow	18.00	pcs	3,600.00	1,440.00	5,040.00	90,720.00
	150mmx150mmx150mm B.I Tee Groove End	2.00	pcs	3,800.00	1,520.00	5,320.00	10,640.00
	Others (Please specify)				-	-	-
	150mmx65mm Roof Manifold	2.00	set/s	25,000.00	10,000.00	35,000.00	70,000.00
	65mm diameter Fire Hose Valve w/ Cap & Chain	21.00	set/s	14,000.00	5,600.00	19,600.00	411,600.00
	Mechanical Saddle tee	21.00	set/s	2,800.00	1,120.00	3,920.00	82,320.00
	150mm Grooved end cup	4.00		4,200.00	1,680.00	5,880.00	23,520.00
	65mm diameter B.I Pipe	6.00	lm	1,450.00	580.00	2,030.00	12,180.00
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I	Fire Protection Sprinkler Head	1.00	sets				513,380.00
	Upright Sprinkler Head (identify specs)	418.00	sets	350.00	140.00	490.00	204,820.00
	Pendent Sprinkler Head (identify specs)	110.00	sets	380.00	152.00	532.00	58,520.00
	Sidewall Sprinkler Head (identify specs)	22.00	sets	550.00	220.00	770.00	16,940.00
	Others (Please specify)						-
	Concealed pendent	222.00	sets	750.00	300.00	1,050.00	233,100.00
J	Fire Protection and Cabinet Works	1.00	sets				4,680,000.00
	Fire Extinguisher Class ABC 10lbs dry chemical		sets				-
	20lbs HCFC-236FA Ceiling Mounted Auto. Fire Extinguisher	105.00	sets	27,000.00	1,500.00	28,500.00	2,992,500.00
	Fire Hose Cabinet complete with accessories ( Surfaced )	4.00	sets	16,500.00	5,000.00	21,500.00	86,000.00
	Fire Hose Cabinet complete with accessories ( Recessed )	53.00	sets	16,500.00	5,000.00	21,500.00	1,139,500.00
	Others (Please specify)						-
	Fire Extinguisher Class ABC 10lbs dry chemical ( Surfaced )	14.00	sets	4,500.00	1,500.00	6,000.00	84,000.00
	Fire Extinguisher Class ABC 10lbs dry chemical ( Recessed )	63.00	sets	4,500.00	1,500.00	6,000.00	378,000.00
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							-
K	Fire Protection Pumps and Accessories	1.00	sets				975,000.00
	Jockey Pump ( Vertical In Line, Electric Driven, 40GPM, 185 PSI, 3550RPM, 7.5HP, 380V, 3Phase, 60Hz ) complete accessories	1.00	sets	OFM	25,000.00	25,000.00	25,000.00
	Fire Pump ( Horizontal Split Case, Diesel Driven, 1000GPM, 180PSI, 1770RPM, 175HP, 400V, 3Phase, 60Hz ) complete accessories	1.00	sets	OFM	350,000.00	350,000.00	350,000.00
	Fire Pump ( Horizontal Split Case, Electric Driven, 1000GPM, 180PSI, 1770RPM, 175HP, 400V, 3Phase, 60Hz ) complete accessories	1.00	sets	OFM	250,000.00	250,000.00	250,000.00
	Others (Please specify)	1.00	lot				-
	Electrical Works	1.00	lot	250,000.00	100,000.00	350,000.00	350,000.00
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L	Fire Suppression hanger and support	1.00	lot	550,000.00	165,000.00	715,000.00	715,000.00
M	Fire Suppression pipe sleeving / blockouts	1.00	lot	275,000.00	82,500.00	357,500.00	357,500.00
N	Fire Suppression excavation, backfilling and compaction		lot		By Civil		
O	Fire Suppression Sand / Gravel Bedding		lot		By Civil		
P	Fire Suppression Miscellaneous and Consumables	1.00	lot	750,000.00		750,000.00	750,000.00
Q	Fire Suppression Testing and Commissioning	1.00	lot	250,000.00		250,000.00	250,000.00
R	<b>General Requirements</b>						<b>6,106,500.00</b>
	Mobilization / Demobilization	1.00	lot	150,000.00		150,000.00	150,000.00
	<b>Site Supervision</b>					-	-
	Project Manager	15.00	months	15,000.00		15,000.00	225,000.00
	Project-in-Charge	15.00	months	35,000.00		35,000.00	525,000.00
	Field Engineer/ CAD	15.00	months	24,000.00		24,000.00	360,000.00
	Admin Staff	15.00	months	19,500.00		19,500.00	292,500.00
	Safety Officer	15.00	months	24,000.00		24,000.00	360,000.00
	Bonds / Insurances	1.00	lot	400,000.00		400,000.00	400,000.00
	<b>Temporary Facilities</b>					-	-
	Field Office and staff house	15	lot	20,000.00	30,000.00	50,000.00	750,000.00
	Office Supplies	15	months	3,500.00		3,500.00	52,500.00
	Office furniture and equipment	1	lot	150,000.00		150,000.00	150,000.00
	Worker's Barracks, double deck	15	months	15,000.00		15,000.00	225,000.00
	Warehouse and Staging	1	lot	100,000.00	30,000.00	130,000.00	130,000.00
	Temporary Electrical Connection	1	lot	50,000.00		50,000.00	50,000.00
	Temporary Water Connection	1	lot	25,000.00		25,000.00	25,000.00
	Electrical Consumption	15	months	35,000.00		35,000.00	525,000.00
	Water Consumption	15	months	18,000.00		18,000.00	270,000.00
	Latrines and Portable Toilets	15	months	8,500.00		8,500.00	127,500.00
	Telephone and Cellphone lines	15	months	1,500.00		1,500.00	22,500.00
	Internet Connection	15	months	3,500.00		3,500.00	52,500.00
	Two way Radio	6	unit	3,500.00		3,500.00	21,000.00
	<b>Environmental, Health, Safety, &amp; Security</b>					-	-
	PPEs	1	lot	200,000.00		200,000.00	200,000.00
	Safety Signages	1	lot	50,000.00		50,000.00	50,000.00
	Fire Extinguisher	1	lot	25,000.00		25,000.00	25,000.00
	COVID-19 Essentials	1	lot	100,000.00		100,000.00	100,000.00
	Waste Disposal	15	months	1,200.00		1,200.00	18,000.00
	Security and material storage	1	lot	100,000.00		100,000.00	100,000.00
	<b>Miscellaneous</b>					-	-
	As-built Plans (Signed&Sealed)	1	lot	150,000.00		150,000.00	150,000.00
	Tools & Equipment	1	lot	350,000.00		350,000.00	350,000.00
	Scaffolding	1	lot	150,000.00		150,000.00	150,000.00
	Material Handling	1	lot	250,000.00		250,000.00	250,000.00

<b>Summary</b>		
A	Fire Protection Wet Stand Pipe Riser	2,239,930.00
B	Fire Protection Wet Stand Valves and accessories	3,113,040.00
C	Fire Protection Feedmain	672,980.00
D	Fire Protection Feedmain Valve and Assembly	728,123.50
E	Fire Protection Cross Main	11,899,440.00
F	Fire Protection Branch Line	12,158,503.00
G	Fire Protection Drain Pipe Riser	88,032.00
H	Fire Protection Dry Stand Pipe Riser	2,226,980.00
I	Fire Protection Sprinkler Head	513,380.00
J	Fire Protection and Cabinet Works	4,680,000.00
K	Fire Protection Pumps and Accessories	975,000.00
L	Fire Suppression hanger and support	715,000.00
M	Fire Suppression pipe sleeving / blockouts	357,500.00
N	Fire Suppression excavation, backfilling and compaction	
O	Fire Suppression Sand / Gravel Bedding	-
P	Fire Suppression Miscellaneous and Consumables	750,000.00
Q	Fire Suppression Testing and Commissioning	250,000.00
R	General Requirements	6,106,500.00
	<b>Grand Total</b>	<b>47,474,408.50</b>

- No. Note:
- Consideration of project duration only 15 months as per provided
  - construction schedule
  - Any time extension initiated by the gencon/ owner shall be subject to time related costs.**
  - Bid price valid until 30 days upon submission date.
  - Bond/ insurance coverage for 15 months as per construction schedule

Prepared By:



Arlyn R. Abalos  
VP / COO  
H. O. ABALOS BUILDERS INC.  
Wednesday, October 19, 2022