




MEMORANDUM

FOR : **DANIEL T. CAPUT**
Branch Head, SSS Pasay – Roxas

CC : **LUZVIMINDA J. LIMCAUCO**
Vice President, NCR West Division

FROM : 
STEPHEN P. YAP
Acting Head, EFMD

DATE : **19 April 2021**

SUBJECT : **Transfer of (14) Air-Conditioning Units installed in SSS Pasay – Roxas Branch Office to the Proposed Relocation Site**

In relation to the proposed relocation of SSS Pasay – Roxas Branch Office, forwarded herewith are the detailed cost estimate for the above – mentioned project with a total cost of PhP 996,241.75, detailed as follows:

Project Name	Equipment	Cost (PhP)	Source of Fund
Transfer of (14) Air –Conditioning Units installed in SSS Pasay – Roxas Branch Office to the Proposed Relocation Site	7 – 6HP Floor Mounted AC units	566,752.70	CAPEX
	5 – 4HP Floor Mounted AC units	371,613.98	
	2 – 2HP Wall Mounted AC units	57,875.06	
TOTAL PROJECT COST		996,241.75	

Please take note that the existing Air – Conditioning units to be transferred are under warranty since they were only accepted on September 10, 2020. You may refer to your Local BAC regarding the mode of procurement for this project.

Also, please coordinate with the Budget Department for the budget clearance and necessary PPMP.

For your appropriate action, please.

Att: Certificate of Completion and Acceptance (2019 AIRCON Project)

Republic of the Philippines
SOCIAL SECURITY SYSTEM
Engineering & Facilities Management Department

PROJECT INFORMATION

Name of Project: Supply, Delivery and Installation of Air – Conditioning Units at Various SSS Branches and SSS Main Office – Lot 2 – SSS NCR Operations Group and RIMS Office in SSS Main Building

Location: SSS NCR Branches and RIMS Office in SSS Main Building

Contractor: Hanmhe Industrial Sales and General Services

Date Notice to Proceed Received: April 28, 2020

Approved Budget for the Contract: ₱ 14,582,910.38

Contract Amount: ₱ 12,388,988.90

Contract Time: 90 Calendar Days

Original Date to Start: April 29, 2020

Original Date to Complete: July 27, 2020

Notice of Suspension Received: May 5, 2020

Notice of Resumption Received: June 9, 2020

Revised Date to Complete: September 13, 2020

Date of Delivery/Installed: September 10, 2020


CERTIFICATE OF COMPLETION AND ACCEPTANCE

To Whom It May Concern:

This is to certify that the project mentioned above has been delivered and completely installed at SSS NCR Branches and RIMS Office in SSS Main Building on September 10, 2020 in accordance with the plans and specifications and accepted on September 10, 2020.

November 3, 2020

Date


ANTONIO V. TRINOS, JR
Project – In – Charge


GEORGE N. CARREON
SSO-V, Electro – Mechanical Team

Certified by:


STEPHEN P. YAP
Acting Head
Engineering & Facilities Management Department

ENGINEERING & FACILITIES MANAGEMENT DEPARTMENT

Date : April 16, 2021

PROJECT

: Transfer of (14) Air-Conditioning Units installed in SSS Pasay - Roxas Branch Office to the Proposed Relocation Site

LOCATION

: Seascope Village, Atang Dela Rama cor. Zoilo Hilario St., CCP Complex, Brgy. 076, Pasay City

SUBJECT

: Detailed Cost Estimate

ITEM NO.	DESCRIPTION	QTY	UNIT	MATERIALS COST		LABOR COST		DIRECT COST	MARK-UP	VAT (12% DC&MU)	INDIRECT COST	TOTAL COST
				UNIT	TOTAL	UNIT	TOTAL					
1	Dismantling, Relocation and Reinstallation of Seven (7) 6HP Floor Mounted Air-Conditioning Units at the following areas: - Medical Evaluation Section (ACU 101) - Seating Area (ACU's 201, 202 and 203) - Benefits Section Counters (ACU 204) - Teller Section (ACU 205) - Benefits Section Backroom (ACU 206)											
1.1	Equipment											
1.1.1	6HP Floor Mounted Inverter Split Type Air - Conditioning Daikin Brand, with Horizontal Discharge Air-Cooled Condensing Unit, 230V, Single Phase, 60Hz including corresponding Enclosed Circuit Breakers (ECB) Refrigerant: R-32	7	sets		-	1,000.00	7,000.00	7,000.00	1,400.00	1,008.00	2,408.00	9,408.00
1.2	Installation Works											
1.2.1	Suction Copper Pipe for 6HP Daikin Inverter A/C Unit Hard-drawn, 20ft/length	46	lgs	1,650.00	75,900.00	495.00	22,770.00	98,670.00	19,734.00	14,208.48	33,942.48	132,612.48
1.2.2	Discharge Copper Pipe for 6HP Daikin Inverter A/C Unit Hard-drawn, 20ft/length	46	lgs	1,000.00	46,000.00	300.00	13,800.00	59,800.00	11,960.00	8,611.20	20,571.20	80,371.20
1.2.3	Copper Tube Fittings	1	lot	3,500.00	3,500.00	1,050.00	1,050.00	4,550.00	910.00	655.20	1,565.20	6,115.20

ITEM NO.	DESCRIPTION	QTY	UNIT	MATERIALS COST		LABOR COST		DIRECT COST	MARK-UP	VAT (12% DC&MU)	INDIRECT COST	TOTAL COST
				UNIT	TOTAL	UNIT	TOTAL					
1.2.4	Refrigerant	70	kgs	750.00	52,500.00	225.00	15,750.00	68,250.00	13,650.00	9,828.00	23,478.00	91,728.00
1.2.5	Pipe Insulation for Suction Line, 6ft/fg	152	lbs	135.00	20,520.00	40.50	6,156.00	26,676.00	5,335.20	3,841.34	9,176.54	35,852.54
1.2.6	Pipe Insulation for Discharge Line, 6ft/fg	152	lbs	110.00	16,720.00	33.00	5,016.00	21,736.00	4,347.20	3,129.98	7,477.18	29,213.18
1.2.7	Polyethylene Film Cladding, 4" (white tape)	46	rolls	80.00	3,680.00	24.00	1,104.00	4,784.00	956.80	688.90	1,645.70	6,429.70
1.3	Electrical Works											
1.3.1	1/2inØ PVC Conduit	156	lbs	70.00	10,920.00	21.00	3,276.00	14,196.00	2,839.20	2,044.22	4,883.42	19,079.42
1.3.2	3/4inØ Liquid Tight Flexible Conduit	28	mtrs	90.00	2,520.00	27.00	756.00	3,276.00	655.20	471.74	1,126.94	4,402.94
1.3.3	Fittings and other accessories	1	lot	1,750.00	1,750.00	525.00	525.00	2,275.00	455.00	327.60	782.60	3,057.60
1.3.4	Communication Wiring, Royal Cord #14, 4-Core	276	mtrs	75.00	20,700.00	22.50	6,210.00	26,910.00	5,382.00	3,875.04	9,257.04	36,167.04
1.3.5	Grounding Wire, 2.0mm ² Ø THHN Wire, Lead-Free	222	mtrs	16.00	3,552.00	4.80	1,065.60	4,617.60	923.52	664.93	1,588.45	6,206.05
1.3.6	Feeder Line, 8.0mm ² Ø THHN Wire, Lead-Free	444	mtrs	57.00	25,308.00	17.10	7,592.40	32,900.40	6,580.08	4,737.66	11,317.74	44,218.14
1.4	Other Works to Complete the Installation											
1.4.1	Platform and Mounting Brackets for both units and Supports for both units and refrigerant lines	1	lot	17,500.00	17,500.00	5,250.00	5,250.00	22,750.00	4,550.00	3,276.00	7,826.00	30,576.00
	1.4.1a. 50 x 50 x 3mm Thick Angle Bar											
	1.4.1b. Threaded Rod with Clamp											
	1.3.4.1c. Welding Rod											
	1.4.1d. Nuts and Bolts											
	1.4.1e. Neoprene Pads											
	1.4.1f. Supports											
	1.4.1g. Others to complete the installation											
1.4.2	Nitrogen Gas and Flushing Agents	1	lot	1,750.00	1,750.00	2,800.00	2,800.00	4,550.00	910.00	655.20	1,565.20	6,115.20
1.4.3	Welding works including appropriate supports, fittings and other consumables	1	lot	1,750.00	1,750.00	2,800.00	2,800.00	4,550.00	910.00	655.20	1,565.20	6,115.20
1.4.4	PVC Drain Pipe Connection with proper clean-out	1	lot	1,750.00	1,750.00	2,800.00	2,800.00	4,550.00	910.00	655.20	1,565.20	6,115.20
1.4.5	Testing and Commissioning	1	lot	1,750.00	1,750.00	2,800.00	2,800.00	4,550.00	910.00	655.20	1,565.20	6,115.20

ITEM NO.	DESCRIPTION	QTY	UNIT	MATERIALS COST		LABOR COST		DIRECT COST	MARK-UP	VAT (12% DC&MU)	INDIRECT COST	TOTAL COST
				UNIT	TOTAL	UNIT	TOTAL					
1.4.6	Miscellaneous items and services	1	lot	2,100.00	2,100.00	3,000.00	3,000.00	5,100.00	1,020.00	734.40	1,754.40	6,854.40
	SUB TOTAL											566,752.70
2	Dismantling, Relocation and Reinstallation of Five (5) 4HP Floor Mounted Air-Conditioning Units at the following areas: - Accounts Management Section (ACU's 207 and 208) - Administrative Section (ACU 209) - e - Terminals (ACU 210) - ABH Area and Benefits Section Backroom (ACU 211)											
2.1	Equipment											
2.1.1	4HP Floor Mounted Inverter Split Type Air - Conditioning Daikin Brand, with Horizontal Discharge Air-Cooled Condensing Unit, 230V, Single Phase, 60Hz including corresponding Enclosed Circuit Breakers (ECB) Refrigerant: R-32	5	sets		-	1,000.00	5,000.00	5,000.00	1,000.00	720.00	1,720.00	6,720.00
2.2	Installation Works											
2.2.1	Suction Copper Pipe for 4HP Daikin Inverter A/C Unit Hard-drawn, 20ft/length	31	lgs	1,650.00	51,150.00	495.00	15,345.00	66,495.00	13,299.00	9,575.28	22,874.28	89,369.28
2.2.2	Discharge Copper Pipe for 4HP Daikin Inverter A/C Unit Hard-drawn, 20ft/length	31	lgs	1,000.00	31,000.00	300.00	9,300.00	40,300.00	8,060.00	5,803.20	13,863.20	54,163.20
2.2.3	Copper Tube Fittings	1	lot	2,500.00	2,500.00	750.00	750.00	3,250.00	650.00	468.00	1,118.00	4,368.00
2.2.4	Refrigerant	45	kgs	750.00	33,750.00	225.00	10,125.00	43,875.00	8,775.00	6,318.00	15,093.00	58,968.00
2.2.5	Pipe Insulation for Suction Line, 6ft/lg	104	lgs	135.00	14,040.00	40.50	4,212.00	18,252.00	3,650.40	2,628.29	6,278.69	24,530.69
2.2.6	Pipe Insulation for Discharge Line, 6ft/lg	104	lgs	110.00	11,440.00	33.00	3,432.00	14,872.00	2,974.40	2,141.57	5,115.97	19,987.97
2.2.7	Polyethylene Film Cladding, 4" (white tape)	31	rolls	80.00	2,480.00	24.00	744.00	3,224.00	644.80	464.26	1,109.06	4,333.06
2.3	Electrical Works											
2.3.1	1/2inØ PVC Conduit	109	lgs	70.00	7,630.00	21.00	2,289.00	9,919.00	1,983.80	1,428.34	3,412.14	13,331.14

Transfer of (14) Air-Conditioning Units installed in SSS Pasay - Roxas Branch Office to the Proposed Relocation Site

ITEM NO.	DESCRIPTION	QTY	UNIT	MATERIALS COST		LABOR COST		DIRECT COST	MARK-UP	VAT (12% DC&MU)	INDIRECT COST	TOTAL COST
				UNIT	TOTAL	UNIT	TOTAL					
2.3.2	1/2inØ Liquid Tight Flexible Conduit	20	mtrs	75.00	1,500.00	22.50	450.00	1,950.00	390.00	280.80	670.80	2,620.80
2.3.3	Fittings and other accessories	1	lot	1,250.00	1,250.00	375.00	375.00	1,625.00	325.00	234.00	559.00	2,184.00
2.3.4	Communication Wiring, Royal Cord #14, 4-Core	189	mtrs	75.00	14,175.00	22.50	4,252.50	18,427.50	3,685.50	2,653.56	6,339.06	24,766.56
2.3.5	Grounding Wire, 2.0mm ² Ø THHN Wire, Lead-Free	160	mtrs	16.00	2,560.00	4.80	768.00	3,328.00	665.60	479.23	1,144.83	4,472.83
2.3.6	Feeder Line, 5.5mm ² Ø THHN Wire, Lead-Free	320	mtrs	36.00	11,520.00	10.80	3,456.00	14,976.00	2,995.20	2,156.54	5,151.74	20,127.74
2.4	Other Works to Complete the Installation											
2.4.1	Platform and Mounting Brackets for both units and Supports for both units and refrigerant lines	1	lot	12,500.00	12,500.00	3,750.00	3,750.00	16,250.00	3,250.00	2,340.00	5,590.00	21,840.00
	2.4.1a. 50 x 50 x 3mm Thick Angle Bar											
	2.4.1b. Threaded Rod with Clamp											
	2.4.1c. Welding Rod											
	2.4.1d. Nuts and Bolts											
	2.4.1e. Neoprene Pads											
	2.4.1f. Supports											
	2.4.1g. Others to complete the installation											
2.4.2	Nitrogen Gas and Flushing Agents	1	lot	1,250.00	1,250.00	2,000.00	2,000.00	3,250.00	650.00	468.00	1,118.00	4,368.00
2.4.3	Welding works including appropriate supports, fittings and other consumables	1	lot	1,250.00	1,250.00	2,000.00	2,000.00	3,250.00	650.00	468.00	1,118.00	4,368.00
2.4.4	PVC Drain Pipe Connection with proper clean-out	1	lot	1,250.00	1,250.00	2,000.00	2,000.00	3,250.00	650.00	468.00	1,118.00	4,368.00
2.4.5	Testing and Commissioning	1	lot	1,250.00	1,250.00	2,000.00	2,000.00	3,250.00	650.00	468.00	1,118.00	4,368.00
2.4.6	Miscellaneous items and services	1	lot	1,350.00	1,350.00	405.00	405.00	1,755.00	351.00	252.72	603.72	2,358.72
	SUB TOTAL											371,613.98
3	Dismantling, Relocation and Reinstallation of Two (2) ZHP Wall Mounted Air-Conditioning Units at the following areas: - Conference Room (ACU 212) - Office of the Branch Head (ACU 213)											

Transfer of (14) Air-Conditioning Units installed in SSS Pasay - Roxas Branch Office to the Proposed Relocation Site


ITEM NO.	DESCRIPTION	QTY	UNIT	MATERIALS COST		LABOR COST		DIRECT COST	MARK-UP	VAT (12% DC&MU)	INDIRECT COST	TOTAL COST
				UNIT	TOTAL	UNIT	TOTAL					
3.1	Equipment											
3.1.1	2HP Wall Mounted Inverter Split Type Air - Conditioning	2	sets		-	1,000.00	2,000.00	2,000.00	400.00	288.00	688.00	2,688.00
	Daikin Brand, with Horizontal Discharge Air-Cooled											
	Condensing Unit, 230V, Single Phase, 60Hz											
	Including corresponding Enclosed Circuit Breakers (ECB)											
	Refrigerant: R-32											
3.2	Installation Works											
3.2.1	Suction Copper Pipe for 2HP Inverter A/C Unit	1	lg	1,200.00	1,200.00	360.00	360.00	1,560.00	312.00	224.64	536.64	2,096.64
	Hard-drawn, 20ft/length											
3.2.2	Discharge Copper Pipe for 2HP Inverter A/C Unit	1	lg	950.00	950.00	285.00	285.00	1,235.00	247.00	177.84	424.84	1,659.84
	Hard-drawn, 20ft/length											
3.2.3	Copper Tube Fittings	1	lot	1,000.00	1,000.00	300.00	300.00	1,300.00	260.00	187.20	447.20	1,747.20
3.2.4	Refrigerant	12	kgs	750.00	9,000.00	225.00	2,700.00	11,700.00	2,340.00	1,684.80	4,024.80	15,724.80
3.2.5	Pipe Insulation for Suction Line, 6ft/lg	4	lgs	125.00	500.00	37.50	150.00	650.00	130.00	93.60	223.60	873.60
3.2.6	Pipe Insulation for Discharge Line, 6ft/lg	4	lgs	105.00	420.00	31.50	126.00	546.00	109.20	78.62	187.82	733.82
3.2.7	Polyethylene Film Cladding, 4" (white tape)	1	roll	80.00	80.00	24.00	24.00	104.00	20.80	14.98	35.78	139.78
3.3	Electrical Works											
3.3.1	1/2inØ PVC Conduit	29	lgs	70.00	2,030.00	21.00	609.00	2,639.00	527.80	380.02	907.82	3,546.82
3.3.2	1/2inØ Liquid Tight Flexible Conduit	8	mtrs	75.00	600.00	22.50	180.00	780.00	156.00	112.32	268.32	1,048.32
3.3.3	Fittings and other accessories	1	lot	500.00	500.00	150.00	150.00	650.00	130.00	93.60	223.60	873.60
3.3.4	Communication Wiring, Royal Cord #14, 4-Core	6	mtrs	75.00	450.00	22.50	135.00	585.00	117.00	84.24	201.24	786.24
3.3.5	Grounding Wire, 2.0mm ² THHN Wire, Lead-Free	87	mtrs	16.00	1,392.00	4.80	417.60	1,809.60	361.92	260.58	622.50	2,432.10
3.3.6	Feeder Line, 5.5mm ² THHN Wire, Lead-Free	174	mtrs	36.00	6,264.00	10.80	1,879.20	8,143.20	1,628.64	1,172.62	2,801.26	10,944.46
3.4	Other Works to Complete the Installation											
3.4.1	Platform for outdoor units, Mounting Brackets and Supports for both units and refrigerant lines	1	lot	3,000.00	3,000.00	900.00	900.00	3,900.00	780.00	561.60	1,341.60	5,241.60
	3.4.1a. 50 x 50 x 3mm Thick Angle Bar											

ITEM NO.	DESCRIPTION	QTY	UNIT	MATERIALS COST		LABOR COST		DIRECT COST	MARK-UP	VAT (12% DC&MU)	INDIRECT COST	TOTAL COST
				UNIT	TOTAL	UNIT	TOTAL					
3.4.1b.	Threaded Rod with Clamp											
3.4.1c.	Welding Rod											
3.4.1d.	Nuts and Bolts											
3.4.1e.	Neoprene Pads											
3.4.1f.	Supports											
3.4.1g.	Others to complete the installation											
3.4.2.	Nitrogen Gas and Flushing Agents	1	lot	500.00	500.00	800.00	800.00	1,300.00	260.00	187.20	447.20	1,747.20
3.4.3.	Welding works including appropriate supports, fittings and other consumables	1	lot	500.00	500.00	800.00	800.00	1,300.00	260.00	187.20	447.20	1,747.20
3.4.4.	PVC Drain Pipe Connection with proper clean-out	1	lot	500.00	500.00	800.00	800.00	1,300.00	260.00	187.20	447.20	1,747.20
3.4.5.	Testing and Commissioning	1	lot	500.00	500.00	800.00	800.00	1,300.00	260.00	187.20	447.20	1,747.20
3.4.6.	Miscellaneous items and services	1	lot	200.00	200.00	60.00	60.00	260.00	52.00	37.44	89.44	349.44
	SUB TOTAL											57,875.06
	TOTAL PROJECT COST											996,241.75

Prepared by:


Antonio V. Trinos, Jr
Senior Engineer, EMT-1

Reviewed & Checked by:


George N. Carreon
SSO V, EMT-1

Approved by:


Stephen P. Yap
Acting Head, EFMD