



## PT. Pembangunan Prasarana Sumatera Utara (Persero)

North Sumatra Province Infrastructure Development Corporation

Jl. Gatot Subroto No. 238 PRSU Medan, Sumatera Utara 20123

Telp. (061) 8442920 Email: sekretariat@ppsu.co.id


### REKAPITULASI

Pekerjaan : Instalasi Cold Storage Hortikultura

Lokasi : Jl. Gatot Subroto No. 238, Kecamatan Medan Helvetia, Kota Medan, Provinsi Sumatera Utara 20123

Tahun Anggaran : 2023

No	Jenis Barang/Jasa	Total Harga (Rp.)
A.	INSULATION PANEL	Rp 207.300.000,00
B.	REFRIGERATION UNIT & AIR CONDITIONER	Rp 202.000.000,00
C.	ELECTRIC CONTROL PANEL	Rp 21.200.000,00
D.	MATERIAL INSTALATION	Rp 56.800.000,00
E.	BIAYA PEMASANGAN	Rp 27.000.000,00
F.	TECHNICIAN ACCOMODATION	Rp 12.700.000,00
G.	MOBILISASI & DEMOBILISASI	Rp 29.500.000,00
	Total (Rp.)	Rp 556.500.000,00
	PPN 11 %	Rp 61.215.000,00
	Grand Total (Rp.)	Rp 617.715.000,00

Disetujui Oleh,  
  
 Ir. Rendi Yuner  
 Direktur Utama



**PT. Pembangunan Prasarana Sumatera Utara (Perseroda)**

North Sumatra Province Infrastructure Development Corporation

A. Gajah, Sukorejo No. 238 PESISI Medan, Sumatera Utara 20123

Telp. (061) 8442320 Email: sekretariat@ppsu.co.id

**Harga Perkiraan Sendiri (HPS)**

Pekerjaan : Instalasi Cold Storage Hortibubura  
 Lokasi : Jl. Gatot Subroto No. 238, Kecamatan Medan Helvetia, Kota Medan, Provinsi Sumatera Utara 20123  
 Tahun Anggaran : 2023

No	Jenis Barang/Jasa	Volume	Satuan Unit	Harga Satuan (Rp.)	Total (Rp.)
<b>A. INSULATION PANEL</b>					
Spesifikasi :					
Polyurethane Density : 43 kg/m <sup>3</sup> ± 5%					
Thickness : 100 mm, 50 mm (Dinding, Atap, Lantai)					
Skin : Both side of 0,45 mm (BMT) equal to 0,63 mm (TCT)					
Thickness, Pre-painted Galvalume Antibacterial					
Connection : Tongue and Groove / Slip Joint					
Skin Profil : flat					
Colour : Off White					
1.	PUR Insulated Panel 100 mm dinding & atap	173,00	m <sup>2</sup>	Rp 745.000,00	Rp 128.895.000,00
2.	PUR Slab 100 mm Lantai	32,00	m <sup>2</sup>	Rp 455.000,00	Rp 14.560.000,00
3.	PUR Slab 50 mm Lantai	12,00	m <sup>2</sup>	Rp 237.000,00	Rp 2.844.000,00
4.	Accessories	1,00	ls	Rp 19.456.000,00	Rp 19.456.000,00
- Mastik Sealant					
- Silicon Sealant					
- Rivet					
- Aluminium Angle 40 x 40 mm					
- PPGL Angle 65 x 130 mm (Outside)					
5.	Swing Door 1000 x 2000 x 100 mm	1,00	unit	Rp 14.843.000,00	Rp 14.843.000,00
6.	Swing Office Door 1000 x 2000 x 50 mm	2,00	unit	Rp 7.600.000,00	Rp 15.200.000,00
7.	Strip Curtain 1100 x 2100 mm	3,00	unit	Rp 1.689.000,00	Rp 5.067.000,00
8.	Thermometer Analog	3,00	unit	Rp 471.000,00	Rp 1.413.000,00
9.	Weatherproof lamp TL LED 2 x 18 watt	9,00	unit	Rp 579.000,00	Rp 5.202.000,00
<b>Total Pekerjaan A (Rp.)</b>					<b>Rp 207.300.000,00</b>
<b>B. REFRIGERATION UNIT &amp; AIR CONDITIONER</b>					
1.	Condensing Unit	2,00	Unit	Rp 36.000.000,00	Rp 72.000.000,00
Accessories					
- Liquid Line Filter Dryer					
- Sight Glass					
- Adjustable LP Switch					
- Liquid Receiver					
- Core sensor					
2.	Evaporator	2,00	Unit	Rp 15.500.000,00	Rp 31.000.000,00
- with Electric Heater Defrost					
3.	Asset Management System	1,00	ls	Rp 27.000.000,00	Rp 27.000.000,00
- IoT Gateway					
- Current Transducer					
- Temperature Probe					
- Asset Location Monitoring					
- Asset Usage Monitoring					
- Electric Amperage Monitoring					
- Temperature monitoring					
- Web Base Access					
- 200 V/50 Hz/ 1 ph					
- Gratis biaya layanan 1 tahun					
4.	Air Conditioner Split Duct	1,00	Unit	Rp 65.300.000,00	Rp 65.300.000,00
- Outdoor					
- Indoor model					
- Air cooled Condenser					
- Airflow (H.M.M.) : 2300/2200/2000 CFM					
5.	Air Conditioner Wall Mounted	1,00	Unit	Rp 6.700.000,00	Rp 6.700.000,00
- Unit included outdoor & indoor unit					
<b>Total Pekerjaan B (Rp.)</b>					<b>Rp 202.000.000,00</b>
<b>C. ELECTRIC CONTROL PANEL</b>					
1.	Control Panel set	2,00	set	Rp 10.600.000,00	Rp 21.200.000,00
- Box Panel					
- Mini Circuit Breaker					
- Magnetic Contactor					
- Thermal Overload					
- Temperature Controller					
- Indicator Lamp					
- Sensor for temperature					
<b>Total Pekerjaan C (Rp.)</b>					<b>Rp 21.200.000,00</b>
<b>D. MATERIAL INSTALLATION</b>					
1.	Hard Copper Pipe				
	Pipe 3/8"	24,00	m	Rp 59.000,00	Rp 1.416.000,00
	Pipe 1/2"	24,00	m	Rp 76.000,00	Rp 1.824.000,00



**PT. Pembangunan Prasarana Sumatera Utara (Perseroda)**

North Sumatra Province Infrastructure Development Corporation

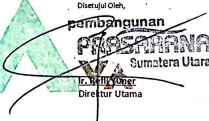
Jl. Gatot Subroto No. 238, Kecamatan Medan Helvetia, Kota Medan, Provinsi Sumatera Utara 20123

Telp. (061) 8442920 Email: sekretariat@ppsu.co.id

**Harga Perkiraan Sendiri (HPS)**

Pekerjaan : Instalasi Cold Storage Hortikultura  
 Lokasi : Jl. Gatot Subroto No. 238, Kecamatan Medan Helvetia, Kota Medan, Provinsi Sumatera Utara 20123  
 Tahun Anggaran : 2023

No	Jenis Barang/Jasa	Volume	Satuan Unit	Harga Satuan (Rp.)	Total (Rp.)
	Pipe 7/8"	12,00	m	Rp 171.000,00	Rp 2.052.000,00
	Pipe 1 3/8"	12,00	m	Rp 353.000,00	Rp 4.236.000,00
2.	Fitting Pipe ( Elbow, Reducer, Tee, Etc )	1,00	ls	Rp 4.100.000,00	Rp 4.100.000,00
3.	Insulation Pipe				
	Insulation Pipe 3/8", Thickness 3/4"	24,00	m	Rp 24.000,00	Rp 576.000,00
	Insulation Pipe 7/8", Thickness 1"	12,00	m	Rp 59.000,00	Rp 708.000,00
	Insulation Pipe 1 3/8", Thickness 1"	12,00	m	Rp 71.000,00	Rp 852.000,00
	Consumable Insulation Pipe	1,00	ls	Rp 1.000.000,00	Rp 1.000.000,00
4.	Support Pipe	1,00	ls	Rp 2.353.000,00	Rp 2.353.000,00
5.	Insulation Drain	1,00	ls	Rp 2.941.000,00	Rp 2.941.000,00
6.	Cable				
	NYY 3 x 0 75	157,00	m	Rp 13.000,00	Rp 2.041.000,00
	NYY 4 x 0 75	35,00	m	Rp 18.000,00	Rp 630.000,00
	NYY 4 x 1 5	120,00	m	Rp 22.000,00	Rp 2.640.000,00
	NYY 4 x 2 5	20,00	m	Rp 35.000,00	Rp 700.000,00
	NYY 4 x 4	20,00	m	Rp 53.000,00	Rp 1.060.000,00
	AWG 8760	49,00	m	Rp 24.000,00	Rp 1.180.000,00
7.	Support Cable	1,00	ls	Rp 7.847.000,00	Rp 7.847.000,00
8.	Evaporator & Condensing Unit Support	1,00	ls	Rp 3.059.000,00	Rp 3.059.000,00
9.	Line Component	1,00	ls	Rp 2.000.000,00	Rp 2.000.000,00
	- Thermostatic Expansion Valve	2,00	pcs	Rp 1.176.000,00	Rp 2.352.000,00
	- Solenoid Valve 3/8"	2,00	pcs	Rp 941.000,00	Rp 1.882.000,00
	- Ball Valve 3/8"	2,00	pcs	Rp 529.000,00	Rp 1.058.000,00
10.	Refrigerant	2,00	Can	Rp 2.236.000,00	Rp 4.472.000,00
11.	Welding Consumable & Leaking Test	1,00	ls	Rp 4.121.000,00	Rp 4.121.000,00
				<b>Total Pekerjaan D (Rp.)</b>	<b>Rp 56.890.000,00</b>
<b>E. BIAYA PEMASANGAN</b>					
1.	Pemasangan Sandwich Panel	1,00	ls	Rp 14.900.000,00	Rp 14.900.000,00
2.	Pemasangan Refrigeration Unit & Air Conditioner	1,00	ls	Rp 12.100.000,00	Rp 12.100.000,00
				<b>Total Pekerjaan E (Rp.)</b>	<b>Rp 27.000.000,00</b>
<b>F. TECHNICIAN ACCOMODATION</b>					
1.	Technician Accomodation	1,00	ls	Rp 12.700.000,00	Rp 12.700.000,00
				<b>Total Pekerjaan F (Rp.)</b>	<b>Rp 12.700.000,00</b>
<b>G. MOBILISASI &amp; DEMOBILISASI</b>					
1.	Mob & Demob	1,00	ls	Rp 29.500.000,00	Rp 29.500.000,00
				<b>Total Pekerjaan G (Rp.)</b>	<b>Rp 29.500.000,00</b>
				<b>Total (Rp.)</b>	<b>Rp 658.600.000,00</b>
				<b>PPN 11 %</b>	<b>Rp 81.216.000,00</b>
				<b>Grand Total (Rp.)</b>	<b>Rp 817.715.000,00</b>

Disetujui Oleh,  
  
**PT. Pembangunan Prasarana Sumatera Utara**  
 Kepala Biro  
 Direktur Utama