

**HARGA SATUAN BAHAN
MEKANIKAL ELEKTRIKAL PLUMBING**

No	Uraian	Satuan	Harga
HARGA BAHAN ELEKTRIKAL			
M.1	Klem 20mm	Buah	692.80
M.2	L Bow	Buah	3,280.00
M.3	Las Dop	Buah	880.00
M.4	T Dus	Buah	3,120.00
M.5	Fischer S6 + Sekrup	Buah	200.00
M.6	Isolasi	m1	1,620.00
M.7	Saklar Tunggal dan Aksesoris	Buah	37,600.00
M.8	Saklar Ganda dan Aksesoris	Buah	50,000.00
M.9	Conduit 20mm	m1	5,333.33
M.10	Conduit HI 20 mm	m1	5,333.33
M.11	Flexible Conduit 20mm	m1	8,000.00
M.12	Flexible Conduit 20mm	Buah	32,000.00
M.13	FRC 2 x 1.5 mm ² + PVC Conduit HI 20 mm ² dan Aksesoris	m1	24,000.00
M.14	FRC 4 x 6 mm ² dan Aksesoris	m1	79,600.00
M.15	FRC 4 x 150 mm ² dan Aksesoris	m1	1,304,000.00
M.16	NYA 2 x 1.5 mm ² dan Aksesoris	m1	12,116.00
M.17	NYFGBY 4 x35 mm ² dan Aksesoris	m1	461,600.00
M.18	Kabel NYM		
M.19	NYM 3 x 2.5 mm ² dan Aksesoris	m1	15,120.00
M.20	Kabel NYMHY		
M.21	NYMHY 2 x 1.5 mm ²	m1	12,886.40
M.22	Kabel NYY		
M.23	NYN 1 x 50 mm ² dan Aksesoris	m1	83,680.00
M.24	NYN 4 x 4 mm ² dan Aksesoris	m1	53,680.00
M.25	NYN 4 x 6 mm ² dan Aksesoris	m1	80,240.00
M.26	NYN 4 x 16 mm ² dan Aksesoris	m1	197,600.00
M.27	Socket Conduit 20mm	Buah	800.00
M.28	Stop Kontak 1 P. 10 A. 200 W dan Aksesoris	Buah	40,000.00
M.29	Trafo Kap : 500 KVA ; Synthetic Oil Ester (Termasuk Terminasi Instalasi Trafo) dan Aksesoris	Unit	148,000,000.00
M.30	Tiang PJU Kawasan 6-7 M (Hexagonal Ketebalan Plat 3 mm) + Pondasi dan Aksesoris	Unit	9,400,000.00
M.31	Kabel Tray		
M.32	Tray (Horizontal) 400 x 100 mm dan Aksesoris	m1	280,000.00
M.33	Tray (Horizontal) 300 x 100 mm dan Aksesoris	m1	258,000.00
M.34	Tray (Horizontal) 200 x 100 mm dan Aksesoris	m1	134,000.00
M.35	Kabel UTP		
M.36	UTP CAT 6	m1	5,114.75

No	Uraian	Satuan	Harga
M.40	Alarm Bell dan Aksesoris	Unit	2,529,360.00
M.41	Annunciator dan Aksesoris	Unit	13,040,000.00
M.42	Terminal Box Fire Alarm (Lengkap dengan Modul) dan Aksesoris	Unit	664,400.00
M.43	Smoke Detector Konvensional dan Aksesoris	Unit	754,800.00
M.44	Fix Heat Detector Konvensional dan Aksesoris	Unit	610,560.00
M.45	LCD Monitor 32 Inch dan Aksesoris	Unit	1,981,981.60
M.46	LED Monitor 50 Inch dan Aksesoris	Unit	5,945,945.60
M.47	Bracket	Unit	237,600.00
M.48	Keyboard + Mouse dan Aksesoris	Unit	2,552,000.00
M.49	Selector Switch c/w Control Panel dan Aksesoris	Unit	3,600,000.00
M.50	Power Amplifier 240 Watt dan Aksesoris	Unit	5,445,600.00
M.51	VCD/DVD/MP3/Mp4 dan Aksesoris	Unit	4,496,000.00
M.52	Automatic Alarm System dan Aksesoris	Unit	10,288,800.00
M.53	Paging Mic Keypad dan Aksesoris	Unit	6,727,200.00
M.54	Rack Cabinet dan Aksesoris	Unit	1,672,000.00
M.55	Terminal Box Tata Suara (TBTS) dan Aksesoris	Unit	748,000.00
M.56	Ceilling Speaker dan Aksesoris	Unit	156,000.00
M.57	Main Switch HUB 24 Port dan Aksesoris	Unit	7,548,000.00
M.58	Outlet Data dan Aksesoris	Unit	67,760.00
M.59	Patch Cord dan Aksesoris	Unit	6,624.00
M.60	Patch Panel 24 Port dan Aksesoris	Unit	1,408,000.00
M.61	Wifi Access Point (Wifi 6 Radius 50 M) dan Aksesoris	Unit	1,980,000.00
M.62	Manual Break Glass	Unit	735,120.00
M.63	AC Wall Mounted Kap : 5.000 BTUH dan Aksesoris	Unit	4,844,160.00
M.64	AC Wall Mounted Kap : 6.500 BTUH dan Aksesoris	Unit	6,464,640.00
M.65	AC Wall Mounted Kap : 7.000 BTUH dan Aksesoris	Unit	7,136,320.00
M.66	AC Wall Mounted Kap : 9.000 BTUH dan Aksesoris	Unit	9,523,200.00
M.67	AC Wall Mounted Kap : 12.000 BTUH dan Aksesoris	Unit	12,380,160.00
M.68	AC Wall Mounted Kap : 24.000 BTUH dan Aksesoris	Unit	18,570,240.00
M.69	AC Wall Mounted Kap : 35.000 BTUH dan Aksesoris	Unit	31,569,408.00
M.70	PVC Conduit HI 20mm dan Aksesoris	m1	4,000.00
M.71	Ceilling Fan. 50 CFM dan Aksesoris	Unit	884,000.00
M.72	Ceilling Fan. 75 CFM dan Aksesoris	Unit	1,060,800.00
M.73	Ceilling Fan. 100 CFM dan Aksesoris	Unit	1,379,040.00
M.74	Ceilling Fan. 200 CFM dan Aksesoris	Unit	2,068,560.00
M.75	Inline Fan ; 500 CFM dan Aksesoris	Unit	1,194,960.00
M.76	Inline Fan ; 700 CFM dan Aksesoris	Unit	1,506,960.00
M.77	Axial Fan ; 2.600 CFM dan Aksesoris	Unit	1,506,960.00
M.78	Axial Fan ; 2.800 CFM dan Aksesoris	Unit	1,506,960.00
M.79	Axial Fan ; 3.200 CFM dan Aksesoris	Unit	1,506,960.00
M.80	Axial Fan ; 3.500 CFM dan Aksesoris	Unit	1,714,960.00
M.81	Axial Fan ; 4.000 CFM dan Aksesoris	Unit	2,057,952.00
M.82	Axial Fan ; 5.500 CFM dan Aksesoris	Unit	2,675,337.60
M.83	Rotary Fan dan Aksesoris	Unit	1,227,200.00
M.84	Ceilling Fan Rotary dan Aksesoris	Unit	1,227,200.00

No	Uraian	Satuan	Harga
M.85	Bifurcated; 1.500 CFM dan Aksesoris	Unit	10,920,000.00
M.86	Propeller 75 CFM dan Aksesoris	Unit	884,000.00
M.87	Propeller 100 CFM dan Aksesoris	Unit	1,060,800.00
M.88	Propeller 150 CFM dan Aksesoris	Unit	1,379,040.00
M.89	Propeller 375 CFM dan Aksesoris	Unit	2,068,560.00
M.90	Propeller 500 CFM dan Aksesoris	Unit	2,689,128.00
M.91	Propeller 600 CFM dan Aksesoris	Unit	3,495,866.40
M.92	Propeller 150 CFM dan Aksesoris	Unit	1,379,040.00
M.93	Intake Grille 600 x 300 mm dan Aksesoris	Unit	480,000.00
M.94	Intake Grille 650 x 350 mm dan Aksesoris	Unit	576,000.00
M.95	Intake Grille 800 x 350 mm dan Aksesoris	Unit	691,200.00
M.96	Intake Grille 800 x 400 mm dan Aksesoris	Unit	898,560.00
M.97	Intake Louvre 700 x 400 mm dan Aksesoris	Unit	988,416.00
M.98	Fan Louvre 750 x 400 mm dan Aksesoris	Unit	1,087,257.60
M.99	Fan Louvre 900 x 500 mm dan Aksesoris	Unit	1,195,983.36
M.100	Fan Louvre 1000 x 400 mm dan Aksesoris	Unit	1,315,581.70
M.101	Fan Louvre 1000 x 450 mm dan Aksesoris	Unit	1,447,139.87
M.102	Exhaust Grille 150 x 150 mm dan Aksesoris	Unit	67,600.00
M.103	Exhaust Grille 200 x 200 mm dan Aksesoris	Unit	216,320.00
M.104	Exhaust Grille 600 x 300 mm dan Aksesoris	Unit	576,000.00
M.105	Exhaust Grille 650 x 350 mm dan Aksesoris	Unit	672,000.00
M.106	Exhaust Grille 900 x 400 mm dan Aksesoris	Unit	960,000.00
M.107	Exhaust Louvre 200 x 200 mm dan Aksesoris	Unit	216,320.00
M.108	Exhaust Louvre 450 x 250 mm dan Aksesoris	Unit	480,000.00
M.109	Exhaust Louvre 400 x 300 mm dan Aksesoris	Unit	576,000.00
M.110	Exhaust Louvre 750 x 350 mm dan Aksesoris	Unit	672,000.00
M.111	Exhaust Louvre 800 x 400 mm dan Aksesoris	Unit	768,000.00
M.112	Exhaust Louvre 850 x 400 mm dan Aksesoris	Unit	864,000.00
M.113	Exhaust Louvre 900 x 500 mm dan Aksesoris	Unit	960,000.00
M.114	Exhaust Louvre 1000 x 400 mm dan Aksesoris	Unit	1,056,000.00
M.115	Exhaust Louvre 1000 x 450 mm dan Aksesoris	Unit	1,152,000.00
M.116	Pipa Tembaga B280 Dia. 6.4 mm (1/4") dan Aksesoris	m1	47,200.00
M.117	Pipa Tembaga B280 Dia. 9.5 mm (3/8") dan Aksesoris	m1	50,800.00
M.118	Pipa Tembaga B280 Dia. 12.7 mm (1/2") dan Aksesoris	m1	68,000.00
M.119	Pipa Tembaga B280 Dia. 15.9 mm (5/8") dan Aksesoris	m1	80,400.00
M.120	Pipa Tembaga B280 Dia. 19.1 mm (3/4") dan Aksesoris	m1	116,000.00
M.121	Pipa Tembaga B280 Dia. 22.2 mm (7/8") dan Aksesoris	m1	120,800.00
M.122	Pipa Tembaga B280 Dia. 25.4 mm (1") dan Aksesoris	m1	132,000.00
M.123	Pipa Tembaga B280 Dia. 28.6 mm (1-1/8") dan Aksesoris	m1	156,800.00
M.124	Pipa Tembaga B280 Dia. 34.9 mm (1-3/8") dan Aksesoris	m1	224,000.00
M.125	Pipa Tembaga B280 Dia. 41.3 mm (1-5/8") dan Aksesoris	m1	240,000.00
M.126	PIPA PVC AW ; Dia. 1/2" ; (15 mm) dan Aksesoris	m1	5,360.00
M.127	PIPA PVC AW ; Dia. 3/4" ; (20 mm) dan Aksesoris	m1	7,260.00
M.128	PIPA PVC AW ; Dia. 1" ; (25 mm) dan Aksesoris	m1	9,940.00
M.129	PIPA PVC AW ; Dia. 1-1/4" ; (32 mm) dan Aksesoris	m1	14,840.00

No	Uraian	Satuan	Harga
M.130	PIPA PVC AW ; Dia. 1-1/2" ; (40 mm) dan Aksesoris	m1	17,040.00
M.131	PIPA PVC AW ; Dia. 2" ; (50 mm) dan Aksesoris	m1	34,520.00
M.132	PIPA PVC AW ; Dia. 2-1/2" ; (65 mm) dan Aksesoris	m1	46,000.00
M.133	PIPA PVC AW ; Dia. 3" (80 mm) dan Aksesoris	m1	72,360.00
M.134	PIPA PVC AW ; Dia. 4" ; (100 mm) dan Aksesoris	m1	86,100.00
M.135	PRV SET Dia. 50 mm dan Aksesoris	Unit	5,800,000.00
M.136	PRV SET Dia. 65 mm dan Aksesoris	Unit	6,184,000.00
M.137	PRV SET Dia. 80 mm dan Aksesoris	Unit	8,200,000.00
M.138	PRV SET Dia. 100 mm dan Aksesoris	Unit	15,000,000.00
M.139	PRV SET Dia. 150 mm dan Aksesoris	Unit	35,286,400.00
M.140	PRV SET Dia. 200 mm dan Aksesoris	Unit	58,000,000.00
M.141	MCV Set dia. 80 mm dan Aksesoris	Unit	16,824,000.00
M.142	MCV Set dia. 100 mm dan Aksesoris	Unit	18,173,600.00
M.143	MCV Set dia. 150 mm dan Aksesoris	Unit	25,916,800.00
M.144	BCV Set dia. 50mm	Set	5,177,600.00
M.145	BCV Set dia. 65mm	Set	5,257,600.00
M.146	BCV Set dia. 80mm	Set	5,377,600.00
M.147	BCV Set dia. 100mm	Set	5,670,400.00
M.148	BCV Set dia. 150mm	Set	6,309,600.00
M.149	Butterfly Valve w/Temper Switch 50mm	Buah	4,392,000.00
M.150	Butterfly Valve w/Temper Switch 65mm	Buah	4,472,000.00
M.151	Butterfly Valve w/Temper Switch 80mm	Buah	4,552,000.00
M.152	Butterfly Valve w/Temper Switch 100mm	Buah	4,880,000.00
M.153	Butterfly Valve w/Temper Switch 150mm	Buah	7,000,000.00
M.154	Flow Switch dia. 50mm	Buah	1,774,400.00
M.155	Flow Switch dia. 65mm	Buah	1,774,400.00
M.156	Flow Switch dia. 80mm	Buah	1,774,400.00
M.157	Flow Switch dia. 100mm	Buah	1,774,400.00
M.158	Flow Switch dia. 150mm	Buah	1,774,400.00
M.159	Sigh Glass	Buah	760,000.00
M.160	Test Drain Valve	Buah	1,560,000.00
M.161	Coupling 1 Set	Set	336,000.00
M.162	Automatic Air Vent dia. 50 mm dan Aksesoris	Unit	576,000.00
M.163	Automatic Air Vent dia. 80 mm dan Aksesoris	Unit	1,324,800.00
M.164	Safety Valve dia. 100mm dan Aksesoris	Unit	13,944,000.00
M.165	Safety Valve dia. 150mm dan Aksesoris	Unit	26,600,000.00
M.166	Flow Meter Analog dia. 100mm dan Aksesoris	Unit	18,480,000.00
M.167	Flow Meter Analog dia. 200mm dan Aksesoris	Unit	32,459,200.00
M.168	Landing Valve 2.5" dan Aksesoris	Unit	620,000.00
M.169	Orifice Plate dia. 25mm dan Aksesoris	Unit	1,120,000.00
M.170	Sprinkler Head Pendant dan Aksesoris	Unit	100,000.00
M.171	Sprinkler Head Upright dan Aksesoris	Unit	140,000.00
M.172	Hydrant Pillar dan Aksesoris	Unit	3,800,000.00
M.173	Indoor Hydrant Box (IHB) dan Aksesoris	Unit	3,280,000.00

No	Uraian	Satuan	Harga
M.174	Outdoor Hydrant Box (OHB) dan Aksesoris	Unit	2,608,000.00
M.175	Siamesse Connection dan Aksesoris	Unit	2,480,000.00
M.176	Fire Extinguisher 6 Kg dan Aksesoris	Unit	663,200.00
M.177	APAR Thermatic 3 Kg dan Aksesoris	Unit	2,830,073.60
M.178	Fire Extinguisher 25 Kg dan Aksesoris	Unit	3,720,000.00
M.179	Pompa Kebakaran	Unit	71,886,160.00
M.180	Jockey Fire Pump Vertical Multi Stage. 50 USGPM dan Aksesoris	Unit	51,333,320.00
M.181	Main Fire Pump Centrifugal End Suction. 1.000 USGPM dan Aksesoris	Unit	86,856,000.00
M.182	Diesel Fire Pump Centrifugal End Suction. 750 USGPM dan Aksesoris	Unit	307,266,640.00
M.183	Pipa PVC Ø 63mm	m1	34,914.00
M.184	Pipa PVC Ø 90mm	m1	49,170.00
M.185	Pipa PVC Ø 110mm	m1	81,466.00
M.186	Pipa PVC Ø 150mm	m1	129,030.00
M.187	Pipa PVC Ø 200mm	m1	180,950.00
M.188	Pipa PVC Ø 250mm	m1	303,600.00
M.189	Pipa PVC Ø 300mm	m1	469,414.00
M.190	Pipa PVC Ø 400mm	m1	661,870.00
M.191	Pipa PVC Ø 450mm	m1	924,000.00
M.192	Pipa PVC Ø 500mm	m1	1,298,000.00
M.193	Pipa PVC Ø 600mm	m1	1,474,000.00
M.194	Pipa PVC Ø 800mm	m1	1,916,200.00
M.195	Pipa PVC Ø 900mm	m1	2,874,300.00
M.196	Pipa PVC Ø 1000mm	m1	4,311,450.00
M.197	Pipa PVC Ø 1100mm	m1	6,467,175.00
M.198	Pipa PVC Ø 1200mm	m1	9,700,762.50
M.199	Pipa Galvanis Ø 63mm	m1	211,640.00
M.200	Pipa Galvanis Ø 100mm	m1	283,140.00
M.201	Pipa Galvanis Ø 125mm	m1	409,860.00
M.202	Pipa Galvanis Ø 150mm	m1	533,060.00
M.203	Pipa Galvanis Ø 200mm	m1	634,700.00
M.204	Pipa Galvanis Ø 250mm	m1	1,162,260.00
M.205	Pipa Galvanis Ø 300mm	m1	1,690,260.00
M.206	Pipa Galvanis Ø 400mm	m1	2,262,260.00
M.207	Pipa Galvanis Ø 450mm	m1	2,878,260.00
M.208	Pipa Galvanis Ø 500mm	m1	3,538,260.00
M.209	Pipa Galvanis Ø 600mm	m1	4,599,738.00
M.210	Pipa Galvanis Ø 800mm	m1	5,979,659.40
M.211	Pipa Galvanis Ø 900mm	m1	7,773,557.22
M.212	Pipa Galvanis Ø 1000mm	m1	10,105,624.39
M.213	Pipa Galvanis Ø 1100mm	m1	13,137,311.70
M.214	Pipa Galvanis Ø 1200mm	m1	17,078,505.21
M.215	Pipa HDPE Ø 63mm	m1	45,520.00
M.216	Pipa HDPE Ø 100mm	m1	137,760.00
M.217	Pipa HDPE Ø 125mm	m1	175,760.00
M.218	Pipa HDPE Ø 150mm	m1	287,680.00

No	Uraian	Satuan	Harga
M.219	Pipa HDPE Ø 200mm	m1	448,800.00
M.220	Pipa HDPE Ø 250mm	m1	697,840.00
M.221	Pipa HDPE Ø 300mm	m1	1,109,840.00
M.222	Pipa HDPE Ø 400mm	m1	1,784,880.00
M.223	Pipa HDPE Ø 450mm	m1	2,424,880.00
M.224	Pipa HDPE Ø 500mm	m1	3,224,880.00
M.225	Pipa HDPE Ø 600mm	m1	4,184,880.00
M.226	Pipa HDPE Ø 800mm	m1	5,304,880.00
M.227	Pipa HDPE Ø 900mm	m1	6,744,880.00
M.228	Pipa HDPE Ø 1000mm	m1	8,344,880.00
M.229	Pipa HDPE Ø 1100mm	m1	10,104,880.00
M.230	Pipa HDPE Ø 1200mm	m1	12,024,880.00
M.231	Pipa DCI Ø 100mm	m1	1,226,000.00
M.232	Pipa DCI Ø 125mm	m1	1,480,000.00
M.233	Pipa DCI Ø 150mm	m1	1,870,000.00
M.234	Pipa DCI Ø 200mm	m1	2,249,200.00
M.235	Pipa DCI Ø 250mm	m1	2,540,000.00
M.236	Pipa DCI Ø 300mm	m1	2,980,000.00
M.237	Pipa DCI Ø 400mm	m1	3,420,000.00
M.238	Pipa DCI Ø 450mm	m1	3,860,000.00
M.239	Pipa DCI Ø 500mm	m1	4,300,000.00
M.240	Pipa DCI Ø 600mm	m1	4,740,000.00
M.241	Pipa DCI Ø 800mm	m1	5,180,000.00
M.242	Pipa DCI Ø 900mm	m1	5,620,000.00
M.243	Pipa DCI Ø 1000mm	m1	6,060,000.00
M.244	Pipa DCI Ø 1100mm	m1	6,500,000.00
M.245	Pipa DCI Ø 1200mm	m1	6,940,000.00
M.246	Pipa Baja Karbon Ø 63mm	m1	498,333.33
M.247	Pipa Baja Karbon Ø 100mm	m1	262,386.67
M.248	Pipa Baja Karbon Ø 125mm	m1	372,973.33
M.249	Pipa Baja Karbon Ø 150mm	m1	504,680.00
M.250	Pipa Baja Karbon Ø 200mm	m1	652,373.33
M.251	Pipa Baja Karbon Ø 250mm	m1	999,826.67
M.252	Pipa Baja Karbon Ø 300mm	m1	1,381,160.00
M.253	Pipa Baja Karbon Ø 400mm	m1	1,791,826.67
M.254	Pipa Baja Karbon Ø 450mm	m1	2,231,826.67
M.255	Pipa Baja Karbon Ø 500mm	m1	2,701,160.00
M.256	Pipa Baja Karbon Ø 600mm	m1	3,511,508.00
M.257	Pipa Baja Karbon Ø 800mm	m1	4,564,960.40
M.258	Pipa Baja Karbon Ø 900mm	m1	5,934,448.52
M.259	Pipa Baja Karbon Ø 1000mm	m1	7,714,783.08
M.260	Pipa Baja Karbon Ø 1100mm	m1	10,029,218.00
M.261	Pipa Baja Karbon Ø 1200mm	m1	13,037,983.40
M.262	Pipa Tanah Dia. 15 - 20cm	Buah	180,950.00
M.263	Pipa Tanah Dia. 30 - 100cm	Buah	4,311,450.00

No	Uraian	Satuan	Harga
M.264	Valve Ø 150mm	Buah	2,217,600.00
M.265	Valve Ø 200mm	Buah	3,449,600.00
M.266	Valve Ø 250mm	Buah	4,729,600.00
M.267	Valve Ø 300mm	Buah	6,009,600.00
M.268	Valve Ø 400mm	Buah	7,289,600.00
M.269	Valve Ø 450mm	Buah	8,569,600.00
M.270	Valve Ø 500mm	Buah	9,849,600.00
M.271	Valve Ø 600mm	Buah	11,129,600.00
M.272	Valve Ø 700mm	Buah	12,409,600.00
M.273	Valve Ø 800mm	Buah	13,689,600.00
M.274	Valve Ø 900mm	Buah	14,969,600.00
M.275	Valve Ø 1000mm	Buah	16,249,600.00
M.276	Valve Ø 1100mm	Buah	17,529,600.00
M.277	Valve Ø 1200mm	Buah	18,809,600.00
M.278	Tee Ø 150mm	Buah	224,400.00
M.279	Tee Ø 200mm	Buah	291,720.00
M.280	Tee Ø 250mm	Buah	379,236.00
M.281	Tee Ø 450mm	Buah	493,006.80
M.282	Tee Ø 500mm	Buah	640,908.84
M.283	Tee Ø 600mm	Buah	833,181.49
M.284	Tee Ø 700mm	Buah	1,083,135.94
M.285	Tee Ø 800mm	Buah	1,408,076.72
M.286	Tee Ø 900mm	Buah	1,830,499.74
M.287	Tee Ø 1000mm	Buah	2,379,649.66
M.288	Tee Ø 1100mm	Buah	3,093,544.56
M.289	Tee Ø 1200mm	Buah	4,021,607.92
M.290	Clean Out	Buah	96,000.00
M.291	Roof Tank Fiberglass Kapasitas 2 m3 + Material Bantu/Aksesoris	Unit	7,040,000.00
M.292	Sewage Treatment Plant (STP) (Fiberglass) Kap. 5 m3 + Material Bantu/Aksesoris	Unit	25,240,000.00
	Pipa PVC		
M.293	Pipa PVC AW ; Dia. 1/2" ; (15 mm) + Fitting & Aksesoris	m1	6,968.00
M.294	Pipa PVC AW ; Dia. 3/4" ; (20 mm) + Fitting & Aksesoris	m1	9,438.00
M.295	Pipa PVC AW ; Dia. 1" ; (25 mm) + Fitting & Aksesoris	m1	12,922.00
M.296	Pipa PVC AW ; Dia. 1-1/4" ; (32 mm) + Fitting & Aksesoris	m1	19,292.00
M.297	Pipa PVC AW ; Dia. 1-1/2" ; (40 mm) + Fitting & Aksesoris	m1	22,152.00
M.298	Pipa PVC AW ; Dia. 2" ; (50 mm) + Fitting & Aksesoris	m1	28,314.00
M.299	Pipa PVC AW ; Dia. 2-1/2" ; (65 mm) + Fitting & Aksesoris	m1	41,262.00
M.300	Pipa PVC AW ; Dia. 3" ; (80 mm) + Fitting & Aksesoris	m1	58,110.00
M.301	Pipa PVC AW ; Dia. 4" ; (100 mm) + Fitting & Aksesoris	m1	96,278.00
M.302	Pipa Galvanis MED CLASS ; Dia. 2" ; (50 mm) + Fitting & Aksesoris	m1	135,373.33
M.303	Pipa Galvanis MED CLASS ; Dia. 2-1/2" ; (65 mm) + Fitting & Aksesoris	m1	166,746.67
M.304	Pipa Galvanis SCH 40 ; Dia. 2-1/2" ; (65 mm) + Fitting & Aksesoris	m1	237,640.00
M.305	Pipa BS MED CLASS ; Dia. 1/2" ; (15 mm) + Fitting & Aksesoris	m1	47,066.67

No	Uraian	Satuan	Harga
M.306	Pipa BS MED CLASS ; Dia. 3/4" ; (20 mm) + Fitting & Aksesoris	m1	66,133.33
M.307	Pipa BS MED CLASS ; Dia. 1" ; (25 mm) + Fitting & Aksesoris	m1	92,400.00
M.308	Pipa BS MED CLASS ; Dia. 1-1/4" ; (32 mm) + Fitting & Aksesoris	m1	118,266.67
M.309	Pipa BS MED CLASS ; Dia. 1-1/2" ; (40 mm) + Fitting & Aksesoris	m1	139,200.00
M.310	Pipa BS MED CLASS ; Dia. 2" ; (50 mm) + Fitting & Aksesoris	m1	174,133.33
M.311	Pipa BS MED CLASS ; Dia. 2-1/2" ; (65 mm) + Fitting & Aksesoris	m1	209,733.33
M.312	Pipa BS MED CLASS ; Dia. 3" ; (80 mm) + Fitting & Aksesoris	m1	253,066.67
M.313	Pipa BS MED CLASS ; Dia. 4" ; (100 mm) + Fitting & Aksesoris	m1	326,000.00
M.314	Pipa BS MED CLASS ; Dia. 5" ; (125 mm) + Fitting & Aksesoris	m1	405,866.67
M.315	Pipa BS MED CLASS ; Dia. 6" ; (150 mm) + Fitting & Aksesoris	m1	468,666.67
M.316	Pipa BS MED CLASS ; Dia. 8" ; (200 mm) + Fitting & Aksesoris	m1	720,133.33
M.317	Gate Valve Dia. 1" (25 mm)	Buah	448,000.00
M.318	Gate Valve Dia. 3" (80 mm)	Buah	1,588,000.00
M.319	Gate Valve 10 K ; Dia. 4" (100 mm) + Material Bantu	Buah	4,000,000.00
M.320	Check Valve 10 K ; Dia. 2-1/2" (65 mm) + Material Bantu	Buah	2,240,000.00
M.321	Strainer 10 K ; Dia. 2-1/2" (65 mm) + Material Bantu	Buah	3,520,000.00
M.322	Foot Valve ; Dia. 2-1/2" (65 mm) + Material Bantu	Buah	1,560,000.00
M.323	Butterfly Valve ; Dia. 4" (100 mm) + Material Bantu	Buah	1,280,000.00
M.324	Pressure Gauge 16 K ; Dia. 1" (25 mm) + Material Bantu	Buah	102,400.00
M.325	Pressure Gauge 16 K ; Dia. 3" (80 mm) + Material Bantu	Buah	496,000.00
M.326	Roof Drain ; Dia. 4" (100 mm) + Material Bantu	Buah	316,000.00
M.327	Floor Clean Out ; Dia. 3" (80 mm) + Material Bantu	Buah	201,600.00
M.328	Floor Clean Out ; Dia. 4" (100 mm) + Material Bantu	Buah	229,600.00
M.329	Header Pipa Galvanis MED CLASS Dia. 4" (100 mm) + Material Bantu	m1	340,800.00

MATERIAL MEP NON STANDARD

No	Uraian	Satuan	Harga
	PEKERJAAN SAMBUNG DAYA LISTRIK PLN		
M.330	Biaya Penyambungan	VA	620.00
M.331	Jaminan Langganan	VA	137.60
M.332	Materai	bh	8,000.00
M.333	SLO	VA	12.00
	PEKERJAAN PANEL LISTRIK		
M.334	Pilot Lamp dia.22mm 220VAC	unit	56,720.00
M.335	STI (Fuse Carrier)	unit	11,928.00
M.336	Tabung Sekring (Fuse Catridge)	unit	2,940.00
M.337	Digital Power Meter 2120	unit	3,277,680.00
M.338	Current Transformer	unit	200,320.00

No	Uraian	Satuan	Harga
M.339	MCCB 3P 80A , 36kA	unit	1,511,960.00
M.340	MCCB 3P 50A, 25 kA	unit	1,191,960.00
M.341	MCCB 3P 20A, 25 kA	unit	1,191,960.00
M.340	MCCB 3P 25A, 18kA	unit	578,826.40
M.341	MCCB 3P 20A, 18kA	unit	578,826.40
M.342	MCB 3P 20A, 10kA	unit	530,400.00
M.342	MCB 3P 15A, 10kA	unit	530,400.00
M.342	MCB 3P 10A, 10kA	unit	530,400.00
M.343	MCB 1P 32A 10 kA	unit	176,000.00
M.343	MCB 1P 25A 10 kA	unit	169,600.00
M.343	MCB 1P 20A 10 kA	unit	136,000.00
M.343	MCB 1P 20A 6 kA	unit	81,600.00
M.344	MCB 1P 16A 6 kA	unit	81,600.00
M.345	MCB 1P 10A 6 kA	unit	81,600.00
	Timer Switch	unit	352,000.00
M.346	Box Panel 800 x 600 x 250mm (HxWxD)	unit	6,039,648.00
	PEKERJAAN INSTALASI PENERANGAN DAN STOP KONTAK		
M.347	EXIT LED AL 2 MK ARTO LED 3W	unit	1,130,400.00
M.348	COMFORT F150 LED 10W 4000K	unit	195,840.00
M.349	LUNAR 210 LED ACR 18W 4000K	unit	400,160.00
M.350	RM M2 1200-2+ ARTO LEDTUBE 1200mm 18W 6500K	unit	776,240.00
M.351	GMS CG 1X36 ACR SAVY+ ARTO LEDTUBE 1200mm 18W 6500K	unit	549,520.00
M.352	TK CG 2X36 SAVY+ ARTO LEDTUBE 1200mm 18W 6500K	unit	448,960.00
M.353	TK CG 2X36 SAVY -/-ART LED+ ARTO LEDTUBE 1200mm 18W 6500K	unit	1,135,360.00
M.354	WL U-D TUBA 108 BULAT 2XE27 11cmDARK+ PH LEDBULB 10W E27 3000K 230V	unit	734,560.00
M.355	FL GINO 600W	unit	21,097,200.00
M.356	Stop Kontak Lantai	unit	400,000.00
M.357	Battery Emergency Lampu	unit	1,080,000.00
	PEKERJAAN INSTALASI PENANGKAL PETIR		
M.358	Penangkal petir sistem non radio aktif radius 150 meter	unit	7,596,600.00
M.359	Dudukan Tiang Penangkal Petir	unit	600,000.00
M.360	Lightning Strike Counter	unit	5,098,720.00
M.361	Obstruction lamp	unit	1,028,720.00
M.362	Grounding Penangkal Petir	unit	1,200,000.00
M.363	Bak kontrol 40 x 40 cm	unit	400,000.00
	PEKERJAAN INSTALASI CCTV		
M.364	Network Video Recorder (NVR) 32 channel 48 TB	unit	37,623,459.20
M.365	Access Switch Managed, 10/100/1000Mbps Port, POE Ex Cisco	unit	3,098,720.00
M.366	IP Camera 4MP	unit	6,916,000.00
	Ex.AcuSense Fixed Dome Network Camera		
M.367	IP Camera 4MP	unit	4,576,000.00
	Ex. Hikvision IP Camera Accusense DS-2CD2046G2-I		
M.368	Rak Wall 4U	unit	1,540,000.00
	PEKERJAAN PLUMBING		

No	Uraian	Satuan	Harga
M.369	Pompa Transfer		
	Kapasitas : 150 lpm	unit	7,040,000.00
	Head Pump : 45 M		
	Daya : 3 kW 2900 Rpm 3P 380 V		
M.370	Pressure Switch	unit	325,600.00
M.371	Pressure Gauge	unit	567,600.00
M.372	Pompa Booster Air Bersih		
	Capacity : 70 liter/menit	unit	7,216,000.00
	Head : 21 M		
	Daya : 400 W		
	Type : Otomatis		
M.373	Panel Kontrol lengkap dengan instalasinya	unit	674,766.40
M.374	Tandon Fiber 10 M3	unit	29,120,000.00
	PEKERJAAN INSTALASI PENERANGAN		
M.375	Indoor Unit 5.000 BTU/h type Inverter Wall Mounted c/w Wireless Remote	unit	3,055,856.00
M.376	Indoor Unit 9.000 BTU/h type Inverter Wall Mounted c/w Wireless Remote	unit	3,394,594.40
M.377	Indoor Unit 17.000 BTU/h type Inverter Wall Mounted c/w Wireless Remote	unit	5,859,459.20
M.378	Indoor Unit 19.000 BTU/h type 360 Cassete C/w Wire Remote	unit	16,936,936.80
M.379	Indoor Unit 34.000 BTU/h type 360 Cassete C/w Wire Remote	unit	25,369,369.60
M.380	Indoor Unit 41500 BTU/h type 360 Cassete C/w Wire Remote	unit	27,963,964.00
M.381	Pipa Refrigerant Diameter 1/4" x 3/8" c/w Isolasi	m	76,640.00
M.382	Pipa Refrigerant Diameter 1/4" x 1/2" c/w Isolasi	m	94,320.00
M.383	Pipa Refrigerant Diameter 3/8" x 5/8" c/w Isolasi	m	137,040.00
	LAIN LAIN		
M.384	Outlet Data Lantai	unit	145,967.44
M.385	Testing Comissioning Penangkal Petir	set	1,827,320.00
M.386	Volume Kontrol	set	232,800.00
#REF!	#REF!	bh	1,755,468.00
#REF!	Pompa Transfer : 100 Liter/meni	Set	47,394,071.20
	Kapasitas : 1.50 m3/h		
	Head Pump : 31 meter		
	Rated Speed : 2700 1/min		
	Motor : 0.55 kW/3~380 V/50 Hz		
	Suction Size : G1 PN10		
	Discharge Size : G1 PN10		
	Pump Material		
	Casing : stainless steel		
	Impeller : stainless steel		
	Shaft : stainless steel		
	Sealing : mechanical seal		
	Scope of supply : Pump c/w motor and control panel (1 ser : 1panel : 2 pump)		
	Pompa Booster Air Bersih		86,015,866.40
	Kapasitas : 12 m3/h		
	Head Pump : 12 m		
	Rated Speed : 2800 1/min		

No	Uraian	Satuan	Harga
M.385	Motor : 1.5 kW/3~380 V/50 Hz	unit	
	Suction Size : G1 PN10		
	Discharge Size : G1 PN10		
	Pump Material		
	Casing : stainless steel		
	Impeller : stainless steel		
	Shaft : stainless steel		
	Sealing : mechanical seal		
	Scope of supply : Pump c/w motor at baseframe, header pipe flexible joint, pressure tank pressure gauge, WLC valve and control panel (1 set: 1 panel : 2 pump)		
	Indoor Unit VRF		
M.386	- Ceiling Mounted Cassette {Round Flow} 38.200 Btuh	unit	20,948,400.00
M.387	- Ceiling Mounted Cassette {Round Flow} 47.800 Btuh	unit	21,867,120.00
M.388	- Ceiling Mounted Cassette {Round Flow} 24.200 Btuh	unit	20,116,800.00
M.389	- Ceiling Mounted Cassette {Round Flow} 30.700 Btuh	unit	20,782,080.00
M.390	Heat Reclame Ventilator 1500 m3/jam	unit	47,900,160.00
	Indoor Unit Single Split		
M.391	- Ceiling Mounted Cassette {Round Flow} 38.200 Btuh	unit	28,415,200.00
M.392	- Ceiling Mounted Cassette {Round Flow} 47.800 Btuh	unit	40,559,200.00
M.393	- Ceiling Mounted Cassette {Round Flow} 24.200 Btuh	unit	22,375,200.00
M.394	- Ceiling Mounted Cassette {Round Flow} 30.700 Btuh	unit	25,671,200.00
	Pengadaan dan Pemasangan Outdoor Multi V		
M.395	- Outdoor 341.000 Btu/h	unit	282,910,320.00
M.396	- Outdoor 362.000 Btu/h	unit	299,542,320.00
M.397	- Outdoor 382.000 Btu/h	unit	316,174,320.00
	Asesoris		
M.398	Refnet Joint KHRP26A22T7	unit	1,496,880.00
M.399	Refnet Joint KHRP26A33T7	unit	1,496,880.00
M.400	Refnet Joint KHRP26A72T7	unit	1,496,880.00
M.401	REFNET Joint + Pipe Size Reducer	unit	2,095,632.00
M.402	Reiri Office Touch	unit	39,671,280.00
	Pekerjaan Pempipaan Refrigerant		
M.403	- Pipa Refrigerant ASTMB-280+Isolasi+Support Hanger dia.1/4 inch (6.35 mm)	m'	96,005.57
M.404	- Pipa Refrigerant ASTMB-280+Isolasi+Support Hanger dia.3/8 inch (9.52 mm)	m'	130,189.71
M.405	- Pipa Refrigerant ASTMB-280+Isolasi+Support Hanger dia.1/2 inch (12.7 mm)	m'	161,376.97
M.406	- Pipa Refrigerant ASTMB-280+Isolasi+Support Hanger dia.5/8 inch (15.88 mm)	m'	217,477.57
M.407	- Pipa Refrigerant ASTMB-280+Isolasi+Support Hanger dia.3/4 inch (19.05 mm)	m'	251,399.18
M.408	- Pipa Refrigerant ASTMB-280+Isolasi+Support Hange dia.7/8 inch (22.2 mm)	m'	339,801.67
M.409	- Pipa Refrigerant ASTMB-280+Isolasi+Support Hange dia.1 1/8 inch (28.58 mm)	m'	480,310.72
M.410	- Pipa Refrigerant ASTMB-280+Isolasi+Support Hange dia.1 3/8 inch (34.9 mm)	m'	653,171.19

No	Uraian	Satuan	Harga
M.411	- Pipa Refrigerant ASTMB-280+Isolasi+Support Hange dia.1 5/8 inch (41.3 mm)	m'	830,735.38
	Pekerjaan Pemipaan Drain		
M.412	- Pipa Drain+Isolasi+Support Hanger PVC class AW dia. 3/4 "	m'	46,514.88
M.413	- Pipa Drain+Isolasi+Support Hanger PVC class AW dia. 1 "	m'	52,614.72
M.414	- Pipa Drain+Isolasi+Support Hanger PVC class AW dia. 1,5 "	m'	70,781.76
M.415	- Pipa Drain+Isolasi+Support Hanger PVC class AW dia. 2 "	m'	84,103.20
	Pekerjaan Pengkabelan (kabel komunikasi indoor - outdoor unit dan Power ke PPAC)		
M.416	- Kabel Transmisi IU-OU (AWG 18)	m	56,592.00
M.417	- Kabel Transmisi AC SMART 5 (NYYHY 2x0.75mm)	m	52,992.00
	Pekerjaan Pipa Tray		
M.418	- Support+Pipa Tray Outdoor lengkap Cover uk 50x25 cm	m	381,600.00
	Pekerjaan Testing - Commissioning		
M.419	- Penambahan Refrigerant R-410	kg	468,000.00
M.420	- Testing & Commissioning, Flushing N2 & Pressure Test	system	2,520,000.00
M.421	Resapan	unit	1,200,000.00
M.422	Mixer Preamplifier	unit	14,913,600.00
M.423	MCP-FA (Semi Addressable 1 Loop)	unit	23,400,000.00
	Rak Kabinet Peralatan Utama Sound System	unit	16,913,040.00
	PEKERJAAN PANEL LISTRIK (LVMDP, MDP, PP, PAC dll)		
	Low Voltage Main Distribution Panel (LVMDP)		
M.424	Box panel floor standing, uk. 2100 (H) x 1800 (W) x 800 (D) mm	Bh	38,304,000.00
M.425	Box Panel 2100 x 600 x 600mm (HxWxD)	BH	15,321,600.00
M.426	MCCB 630 A / 4P / 50 kA	Bh	11,642,040.00
M.427	Gear motor (MCH) for ACB (F/T)	Bh	16,644,600.00
M.427	Closing release (XF)	Bh	478,800.00
M.428	Opening release (MX)	Bh	478,800.00
M.428	Under Voltage Release (MN)N (green)	Bh	1,599,360.00
M.429	Selector Switch M-O-A 2P	Bh	20,496.00
M.429	Illuminated Push Button ON, (green)	Bh	39,060.00
M.430	Illuminated Push Button OFF ,(red)	Bh	39,060.00
M.430	Emergency Stop	Bh	22,680.00
M.431	Pilot Lamp Red, 220 VAC	Bh	7,224.00
M.431	Pilot Lamp Yellow, 220 VAC	Bh	7,224.00
M.432	Pilot Lamp Green, 220 VAC	Bh	7,224.00
M.432	STI (Fuse Carrier)	Bh	11,928.00
M.433	Tabung Sekring (Fuse Catridge)	Bh	2,940.00
M.433	Digital power meter PM 5560	Bh	16,595,880.00
M.434	Current Transformer	Bh	126,000.00

No	Uraian	Satuan	Harga
M.434	Relay 220 VAC	Bh	117,600.00
M.435	Socket relay	Bh	54,432.00
M.435	Timer	Bh	375,440.00
M.436	Lampu TL	Bh	76,000.00
M.436	Limit Switch	Bh	36,876.00
	Incoming Genset		
M.437	MCCB 630 A / 4P / 50 kA	Bh	11,642,040.00
M.438	Gear motor (MCH) for ACB (F/T)	Bh	16,644,600.00
M.438	Closing release (XF)	Bh	478,800.00
M.439	Opening release (MX)	Bh	478,800.00
M.439	Under Voltage Release (MN)N (green)	Bh	1,599,360.00
M.440	Selector Switch M-O-A 2P	Bh	20,496.00
M.440	Illuminated Push Button ON, (green)	Bh	39,060.00
M.441	Illuminated Push Button OFF ,(red)	Bh	39,060.00
M.441	Emergency Stop	Bh	22,680.00
M.442	Pilot Lamp Red, 220 VAC	Bh	7,224.00
M.442	Pilot Lamp Yellow, 220 VAC	Bh	7,224.00
M.443	Pilot Lamp Green, 220 VAC	Bh	7,224.00
M.443	STI (Fuse Carrier)	Bh	11,928.00
M.444	Tabung Sekring (Fuse Catridge)	Bh	2,940.00
M.444	Digital power meter PM 5560	Bh	16,595,880.00
M.445	Current Transformer	Bh	126,000.00
M.445	Relay 220 VAC	Bh	117,600.00
M.446	Socket relay	Bh	54,432.00
M.446	Timer	Bh	375,440.00
M.447	Lampu TL	Bh	76,000.00
M.447	Limit Switch	Bh	36,876.00
	Coupler		
M.448	MCCB 630 A / 4P / 50 kA	Bh	11,642,040.00
M.449	Gear motor (MCH) for ACB (F/T)	Bh	16,644,600.00
M.450	Closing release (XF)	Bh	478,800.00
M.451	Opening release (MX)	Bh	478,800.00
M.452	Under Voltage Release (MN)N (green)	Bh	1,599,360.00
M.453	Selector Switch M-O-A 2P	Bh	20,496.00
M.454	Illuminated Push Button ON, (green)	Bh	39,060.00
M.455	Illuminated Push Button OFF ,(red)	Bh	39,060.00
M.456	Emergency Stop	Bh	22,680.00
M.457	Pilot Lamp Yellow, 220 VAC	Bh	7,224.00
M.458	STI (Fuse Carrier)	Bh	11,928.00
M.459	Tabung Sekring (Fuse Catridge)	Bh	2,940.00
M.460	Relay 220 VAC	Bh	117,600.00
M.461	Socket relay	Bh	54,432.00
M.462	Timer	Bh	375,440.00
M.463	Lampu TL	Bh	76,000.00
M.464	Limit Switch	Bh	36,876.00

No	Uraian	Satuan	Harga
	Outgoing		
M.465	MCCB 500 A / 3P / 36 kA	Bh	7,438,200.00
M.466	MCCB 250 A / 3P / 25 kA	Bh	2,430,960.00
M.466	MCCB 50 A / 3P / 18 kA	Bh	1,191,960.00
M.467	MCCB 40 A / 3P / 18 kA	Bh	1,191,960.00
M.467	Surge arrester IPF 40 40 KA 340V 3P N	Bh	3,038,313.60
	Capacitor Bank		
M.468	Box panel floor standing, uk. 2100 (H) x 1000 (W) x 800 (D) mm		
	Incoming		
M.469	LBS 400 A / 3P	bh	1,467,648.00
	Capacitor Bank		
M.470	MCCB 100A, 30kA	bh	1,265,880.00
M.471	MCCB 40A, 30kA	bh	1,191,960.00
M.471	MCCB 30A, 30kA	bh	1,191,960.00
M.472	Contactora 50 Kvar	bh	4,089,120.00
M.472	Contactora 25 Kvar	bh	2,184,840.00
M.473	Contactora 12.5 Kvar	bh	1,464,120.00
M.473	Capacitor 50 Kvar+Detuned	bh	23,066,400.00
M.474	Capacitor 25 Kvar+Detuned	bh	16,258,200.00
M.474	Capacitor 12.5 Kvar+Detuned	bh	13,111,560.00
M.475	Power regulator 6 step	bh	4,252,920.00
M.475	Exhaust Fan	bh	655,200.00
M.476	Exhaust Grille	bh	107,016.00
M.476	Thermostat	bh	76,000.00
M.477	Contactora 9A	bh	302,400.00
M.478	Voltmeter	Bh	345,600.00
M.479	Amperemeter	Bh	304,800.00
	Pekerjaan grounding ruang panel		
M.480	Busbar tembaga, uk. 4 x 40 mm	m1	232,400.00
M.481	Grounding dengan kabel NYA 120 mm2	m1	233,200.00
M.482	Pipa PVC AW Ø 1/2"	m1	14,560.00
M.483	Grounding rod Ø 5/8 lengkap dengan driving stud, clamp, coupler dan drill head	set	2,308,720.00
M.484	Bak grounding	unit	794,640.00
M.485	Elbow tray uk. 300 x 100 mm	bh	329,640.00