

**RAB PENGANTIAN TANGKI SOLAR**  
**LOKASI BP. MENARA**

Alamat : Jl. Sisingamangaraja No.1 - Medan

| NO                                                                     | NAMA BAHAN                                       | VOL    | SATUAN | ANALISA                         | HARGA SATUAN  | JUMLAH HARGA         |
|------------------------------------------------------------------------|--------------------------------------------------|--------|--------|---------------------------------|---------------|----------------------|
| <b>I</b>                                                               | <b>MATERIAL</b>                                  |        |        |                                 |               |                      |
| 1                                                                      | Plat steel t= 6 mm 1,8x6 m                       | 2,00   | lembar | Hitung                          | 13.282.500,00 | 26.565.000,00        |
| 2                                                                      | Plat steel t= 6 mm 1,2x2,4 m                     | 2,00   | lembar | Hitung                          | 3.542.000,00  | 7.084.000,00         |
| 3                                                                      | Ball Valve 3/4" Onda                             | 1,00   | buah   | Hitung                          | 220.350,00    | 220.350,00           |
| 4                                                                      | Screwed Gate Valve 3/4" Onda                     | 1,00   | buah   | Hitung                          | 142.945,00    | 142.945,00           |
| 5                                                                      | Pipa steel dia. 3/4" GIP                         | 25,00  | Meter  | Tabel                           | 28.047,00     | 701.175,00           |
| 6                                                                      | Elbow GIP dia. 3/4"                              | 7,00   | buah   | Tabel                           | 12.974,00     | 90.818,00            |
| 7                                                                      | Socket GIP 3/4"                                  | 3,00   | buah   | Tabel                           | 9.667,00      | 29.001,00            |
| 8                                                                      | Double Nipple GIP 3/4"                           | 3,00   | buah   | Tabel                           | 10.176,00     | 30.528,00            |
| 9                                                                      | Socket Drat Selang Kuningan 3/4"x1/2"            | 2,00   | buah   | Hitung                          | 7.500,00      | 15.000,00            |
| 10                                                                     | Elbow GIP dia. 1 1/2"                            | 2,00   | buah   | Tabel                           | 37.396,00     | 74.792,00            |
| 11                                                                     | Double Nipple GIP 1 1/2"                         | 1,00   | buah   | Tabel                           | 29.001,00     | 29.001,00            |
| 12                                                                     | Socket Drat GIP dia. 1/2"                        | 1,00   | buah   | Tabel                           | 27.983,00     | 27.983,00            |
| 13                                                                     | Dynabolt m20 x 100 mm                            | 4,00   | buah   | Hitung                          | 15.000,00     | 60.000,00            |
| 14                                                                     | Socket Drat luar GIP 1 1/2"                      | 1,00   | buah   | Tabel                           | 27.983,00     | 27.983,00            |
| 15                                                                     | Dop GIP 1 1/2"                                   | 1,00   | buah   | Tabel                           | 24.676,00     | 24.676,00            |
| 16                                                                     | Seal tape                                        | 5,00   | buah   | Tabel                           | 4.972,00      | 24.860,00            |
|                                                                        |                                                  |        |        |                                 | Jumlah        | <b>35.123.252,00</b> |
| <b>II</b>                                                              | <b>PEKERJAAN PERSIAPAN</b>                       |        |        |                                 |               |                      |
| 1                                                                      | Pembersihan lokasi                               | 1,00   | tempat | Ls                              | 250.000,00    | 250.000,00           |
|                                                                        |                                                  |        |        |                                 | Jumlah        | <b>250.000,00</b>    |
| <b>III</b>                                                             | <b>PEKERJAAN PONDASI</b>                         |        |        |                                 |               |                      |
| 1                                                                      | Galian tanah keras                               | 1,44   | Meter3 | PT 6.4                          | 122.040,00    | 175.737,60           |
| 2                                                                      | Pembesian Pondasi                                | 172,80 | kg     | PB 6.12                         | 25.179,70     | 4.351.052,16         |
| 3                                                                      | Bekisting Pondasi                                | 3,84   | Meter2 | PB 6.15                         | 320.636,00    | 1.231.242,24         |
| 4                                                                      | Cor beton 1:2:3                                  | 2,30   | Meter  | PB 6.3.A.1                      | 1.144.303,00  | 2.636.474,11         |
|                                                                        |                                                  |        |        |                                 | Jumlah        | <b>8.394.506,11</b>  |
| <b>IV</b>                                                              | <b>PEKERJAAN PEMBUATAN TANGKI DAN PEMASANGAN</b> |        |        |                                 |               |                      |
| 1                                                                      | Pemotongan plat t= 6 mm                          | 19,36  | Meter' | Tabel                           | 70.725,00     | 1.368.953,10         |
| 2                                                                      | Pengelasan plat dinding tangki                   | 44,36  | Meter' | Tabel                           | 367.150,00    | 16.288.242,60        |
| 3                                                                      | Rol plat dia. 2,2 m                              | 2,00   | Rol    | Ls                              | 1.500.000,00  | 3.000.000,00         |
| 4                                                                      | Pengelasan plat tutup atas dan bawah 2x las      | 22,61  | Meter' | Tabel                           | 367.150,00    | 8.300.527,20         |
| 5                                                                      | Pemotongan Plat Manhole                          | 3,77   | Meter' | Tabel                           | 70.725,00     | 266.491,80           |
| 6                                                                      | Pengelasan Blind Flange dan Pipa                 | 3,77   | Meter' | Tabel                           | 367.150,00    | 1.383.421,20         |
| 7                                                                      | Pemotongan pipa dia. 3/4" tangga                 | 0,94   | Meter' | Tabel                           | 70.725,00     | 66.622,95            |
| 8                                                                      | Pengelasan pipa dia. 3/4" tangga                 | 1,31   | Meter' | Tabel                           | 367.150,00    | 479.586,02           |
| 9                                                                      | Pengelasan pipa dia. 3/4" jalur minyak solar     | 0,98   | Meter' | Tabel                           | 367.150,00    | 359.689,51           |
| 10                                                                     | Pengelasan pipa dia. 3/4" level Minyak           | 0,16   | Meter' | Tabel                           | 367.150,00    | 59.948,25            |
| 11                                                                     | Pemasangan pipa 3/4" GIP jalur minyak solar      | 18,00  | meter' | Tabel                           | 30.236,94     | 544.264,92           |
| 12                                                                     | Pembuatan Engsel Tutup Manhole                   | 1,00   | Buah   | Ls                              | 100.000,00    | 100.000,00           |
| 13                                                                     | Pembuatan Handle Lifting Lug                     | 2,00   | Buah   | Ls                              | 150.000,00    | 300.000,00           |
| 14                                                                     | Pemasangan Kran Outlet dia. 3/4"                 | 1,00   | Buah   | Ls                              | 50.000,00     | 50.000,00            |
| 15                                                                     | Pengecatan Tangki                                | 25,31  | Meter2 | PC 6.11                         | 66.966,00     | 1.694.802,31         |
| 16                                                                     | Sewa Crane                                       | 2,00   | hari   | Tabel                           | 2.750.000,00  | 5.500.000,00         |
| 17                                                                     | Transport Material dan Peralatan                 | 1,00   | Unit   | Ls                              | 500.000,00    | 500.000,00           |
|                                                                        |                                                  |        |        |                                 | Jumlah        | <b>40.262.549,86</b> |
| <b>Terbilang :</b>                                                     |                                                  |        |        | <b>JUMLAH I + II + III + IV</b> |               | <b>84.030.307,98</b> |
| <b>Sembilan Puluh Dua Juta Empat Ratus Tiga Puluh Tiga Ribu Rupiah</b> |                                                  |        |        | <b>PPn 10%</b>                  |               | <b>8.403.030,80</b>  |
|                                                                        |                                                  |        |        | <b>Grand Total</b>              |               | <b>92.433.338,77</b> |
|                                                                        |                                                  |        |        | <b>Dibulatkan</b>               |               | <b>92.433.000,00</b> |

Disahkan Oleh,

Diketahui Oleh,

Medan, Juli 2024

Dihitung oleh

**Ali Ismail Siregar**  
Kadiv. Perencanaan Air Minum

**Dedi Gusman**  
Kadiv. Transmisi Distribusi

**Julfan Fadhlil**  
Kadiv. Operasional Pompa