

Planimetric Horizontal Control Traverse (Southern area)
 Westports Pulau Indah, Port Klang, Selangor Darul Ehsan

| Station From To | Bearing | Distance | Latitude | Dipature | Station | Coordinates | | Adjusted | | Adjusted Coordinates | | Remarks |
|--------------------|-----------|----------|----------|----------|---------|-------------|------------|----------|----------|----------------------|------------|-----------|
| | | | | | | Easting | Northing | Latitude | Dipature | Easting | Northing | |
| 1 | | | | | 1 | -31908.449 | -46461.460 | | | -31908.449 | -46461.460 | EGS00 |
| 1 4 | 113 52 0 | 33.057 | -13.375 | 30.230 | 4 | -31921.824 | -46431.230 | -13.375 | 30.230 | -31921.824 | -46431.230 | |
| 4 5 | 261 31 10 | 1.591 | -0.235 | -1.574 | 5 | -31922.059 | -46432.803 | -0.235 | -1.574 | -31922.059 | -46432.803 | BKL(STN5) |
| 1 7 | 341 18 0 | 15.917 | 15.077 | -5.103 | 7 | -31893.372 | -46466.563 | 15.077 | -5.103 | -31893.372 | -46466.563 | PKL(STN7) |
| 1 8 | 324 37 30 | 42.330 | 34.515 | -24.506 | 8 | -31873.934 | -46485.966 | 34.515 | -24.506 | -31873.934 | -46485.966 | BKL(STN8) |
| 1 9 | 30 22 20 | 279.166 | 240.853 | 141.151 | 9 | -31667.596 | -46320.309 | 240.852 | 141.152 | -31667.597 | -46320.308 | |
| 9 10 | 280 52 55 | 117.300 | 22.145 | -115.191 | 10 | -31645.451 | -46435.500 | 22.144 | -115.190 | -31645.453 | -46435.498 | EGS04 |
| 9 11 | 346 40 20 | 541.198 | 526.622 | -124.758 | 11 | -31140.974 | -46445.067 | 526.619 | -124.755 | -31140.978 | -46445.063 | |
| 11 12 | 354 32 30 | 291.510 | 290.188 | -27.729 | 12 | -30850.786 | -46472.796 | 290.187 | -27.727 | -30850.791 | -46472.790 | |
| 12 13 | 4 3 50 | 465.711 | 464.540 | 33.004 | 13 | -30386.246 | -46439.792 | 464.538 | 33.007 | -30386.253 | -46439.783 | |
| 13 14 | 4 26 0 | 183.395 | 182.846 | 14.176 | 14 | -30203.400 | -46425.615 | 182.845 | 14.177 | -30203.408 | -46425.606 | |
| 14 15 | 318 54 40 | 287.900 | 216.988 | -189.216 | 15 | -29986.412 | -46614.832 | 216.986 | -189.215 | -29986.422 | -46614.820 | EGS03 |
| 15 16 | 142 4 30 | 177.974 | -140.389 | 109.388 | 16 | -30126.801 | -46505.444 | -140.390 | 109.389 | -30126.811 | -46505.431 | |
| 16 17 | 185 10 30 | 145.957 | -145.362 | -13.165 | 17 | -30272.163 | -46518.609 | -145.363 | -13.164 | -30272.174 | -46518.596 | |
| 17 18 | 77 4 0 | 36.227 | 8.108 | 35.308 | 18 | -30264.054 | -46483.301 | 8.108 | 35.308 | -30264.066 | -46483.287 | EGS02 |
| 17 19 | 186 35 30 | 434.700 | -431.826 | -49.900 | 19 | -30703.989 | -46568.509 | -431.828 | -49.898 | -30704.003 | -46568.494 | |
| 19 20 | 174 58 40 | 456.189 | -454.438 | 39.936 | 20 | -31158.427 | -46528.573 | -454.440 | 39.938 | -31158.442 | -46528.555 | |
| 20 21 | 159 51 20 | 395.703 | -371.497 | 136.275 | 21 | -31529.924 | -46392.298 | -371.499 | 136.278 | -31529.941 | -46392.278 | |
| 21 22 | 213 14 50 | 363.532 | -304.026 | -199.307 | 22 | -31833.950 | -46591.605 | -304.028 | -199.305 | -31833.969 | -46591.583 | |

| | | | | | | | | | | | | | | |
|---------------------|-----|----|----|-----------------|--------------|---------------|----|------------|------------|----------|---------|------------|------------|-------|
| ²² 23 | 274 | 43 | 50 | 46.970 | 3.874 | -46.810 | 23 | -31830.076 | -46638.415 | 3.873 | -46.810 | -31830.096 | -46638.393 | EGS01 |
| ²² 2 | 152 | 56 | 20 | 157.129 | -139.927 | 71.484 | 2 | -31973.877 | -46520.121 | -139.928 | 71.485 | -31973.897 | -46520.098 | |
| ² 1 | 41 | 51 | 30 | 87.874 | 65.448 | 58.638 | 1 | -31908.428 | -46461.483 | 65.448 | 58.638 | -31908.449 | -46461.460 | |
| | | | | 4267.938 | 0.021 | -0.023 | | | | | | | | |

Linear Misclose

1 : 137,067

Angular Misclose

03" for 14 stns

Angular Correction

0.21" per stn