

**KOSALA WEST BLOCK SUMMARY  
PART A**

| Sr. No.   | Features                        | Details  |
|-----------|---------------------------------|--|
| <b>1.</b> | <b>Location</b>                 |  |
|           | Coal Block                      | <b>Kosala West Block</b>   |
|           | Latitude                        | 21° 00' 37" N-21° 02' 00" N (Provisional)  |
|           | Longitude                       | 84° 53' 41" E-84° 56' 12" E (Provisional)  |
|           | Topo Sheet No.                  | F45M16 (64 C/16) 1:50000 scale   |
|           | Coalfield                       | Talcher  |
|           | Villages                        | Kosala, Phuljhari, Balinali, Kunjabiharipur, Chakundapal, Bhagilakata, Bahialijungle   |
|           | Tehsil/Taluka                   | Chhendipada  |
|           | District                        | Angul  |
|           | State                           | Odisha   |
| <b>2.</b> | <b>Connectivity with Block</b>  |  |
|           | Nearest Rail Head               | Angul Railway Station (40 Kms. Approx.)  |
|           | Road                            | District headquarter Angul, located on the National Highway 42 (Bhubaneswar-Cuttack-Angul to Sambalpur), is the nearest town and railway station at a distance of about 34 km. |
|           | Airport                         | Bhubaneswar Airport ( 150 Km. from Angul town)   |
| <b>3.</b> | <b>Area</b>                     |  |
|           | Geological Block Area           | 7.27 sq. km. (As per shape file. Refer Note below)   |
|           | Forest Area                     | 1.75 sq. km.   |
|           | Non-Forest Area                 | 5.52 sq. km.   |
| <b>4.</b> | <b>Climate and Topography</b>   |  |
|           | Average Annual Rainfall         | 5 mm. to 330 mm. (approx.)   |
|           | Temperature (Min. — Max.)       | 3° C to 38° C (approx.)  |
|           | Local Surface Drainage Channels | Singhara jhor, southern side of the block  |
|           | Rivers                          | Brahmani river ( approx. 40 km.towards East side of the block)   |
| <b>5.</b> | <b>Exploration</b>              |  |
|           | Status                          | Explored   |
|           | Exploration Agency              | CMPDI, GSI   |

|           |   |   |                 |  |         |
|-----------|---|---|-----------------|--|---------|
|           | Total Number of Boreholes with meterage   | GSI: 2440.90 (4 boreholes)<br>CMPDI :32122 m (43 boreholes)<br><b>Total: 47 Boreholes; 34562.90 m</b> |                 |  |         |
|           | Borehole Density  | Approx. 6.46 bhs/sq.km.   |                 |  |         |
|           | General Dip of Seams  | General dip of the coal seams is 3° towards N to NNE.   |                 |  |         |
|           | General Strike Direction  | General strike of the coal seams are basically E-W and WNW-ESE in places with local flexures.         |                 |  |         |
|           | Faults  | Kosala West block is interpreted to be traversed by 9 (nine) faults.                                  |                 |  |         |
| <b>6.</b> | <b>Coal Seams &amp; Reserve<br/>(Proved: 1439.299 MT, Indicated:160.592 MT, Total: 1599.891 MT)</b> |   |                 |  |         |
|           | Coal Seams  | Thickness Range (m)   | Depth Range (m) | Resources (MT)<br>(Proved + Indicated) | Grade   |
|           | XI Top A  | 1.32-9.28   | 245.96-400.79   | 17.563                                 | G13-G17 |
|           | XI Top B  | 1.77-6  | 250.44-404.6    | 9.386                                  | G12-G17 |
|           | XI Top  | 4.21-9.38   | 278.29-386.66   | 56.514                                 | G10-G16 |
|           | XI Bottom 2   | 4.04-4.04   | 365.16-365.16   | 0                                      |         |
|           | XI Bottom 1   | 1.93-1.93   | 368.68-368.68   | 0                                      |         |
|           | XI Bottom   | 2.9-6.65  | 258.9-413.25    | 43.858                                 | G10-G16 |
|           | X Top   | 0.44-1.98   | 345.14-435.8    | 8.694                                  | G14-G15 |
|           | X Bottom  | 0.4-2.74  | 347.71-440.53   | 7.218                                  | G14-G15 |
|           | X   | 0.8-7.35  | 345.87-426.28   | 0.306                                  | G10-G17 |
|           | IX & X  | 25.99-36.89   | 366-447.7       | 154.381                                | G12-G14 |
|           | IX Top 2  | 5.38-10.28  | 280.24-328.68   | 6.231                                  | G14-G16 |
|           | IX Top 1  | 1.3-7.23  | 288.6-332       | 1.54                                   | G11-G15 |
|           | IX TOP  | 5.91-26.24  | 300.86-434.12   | 37.125                                 | G13-G17 |
|           | IX Bottom 2   | 3.91-10   | 297.59-360.44   | 3.639                                  | G13-G14 |
|           | IX Bottom 1   | 4.25-6  | 306.55-367.52   | 2.259                                  | G13-G14 |
|           | IX Bottom   | 4.25-17.35  | 315.94-453.46   | 41.242                                 | G11-G13 |
|           | IX  | 18.17-32.71   | 381.22-467.11   | 54.037                                 | G12-G14 |
|           | VIII Top 2  | 2.28-3.41   | 322.89-379.47   | 5.666                                  | G10-G14 |
|           | VIII Top 1  | 0.56-3.66   | 333.08-385.33   | 2.674                                  | G10-G16 |
|           | VIII Top  | 2.16-8.66   | 317-480.15      | 56.129                                 | G9-G14  |
|           | VIII Bottom 2   | 0.65-4.29   | 338.82-498.17   | 5.662                                  | G13-G16 |
|           | VIII Bottom 1   | 2.85-5.99   | 347.31-507.62   | 10.22                                  | G9-G16  |
|           | VIII Bottom   | 5.15-15.95  | 356.72-490      | 65.423                                 | G10-G15 |
|           | VII B   | 0.64-15.15  | 372.17-521.82   | 45.484                                 | G9-G16  |

|  |                      |             |               |         |         |
|--|----------------------|-------------|---------------|---------|---------|
|  | VIIB & VII A         | 6.23-19.92  | 404.36-510.84 | 34.544  | G9-G14  |
|  | VII A                | 0.52-8      | 380.43-517.86 | 30.688  | G10-G17 |
|  | VI B                 | 0.47-5.13   | 385.72-532.78 | 28.631  | G9-G17  |
|  | V Top 2              | 0.71-2.39   | 391.66-514    | 3.049   | G9-G16  |
|  | V Top 1              | 0.67-5      | 393.65-520.06 | 5.049   | G10-G15 |
|  | V Top                | 0.86-4.4    | 396.14-545.7  | 13.076  | G13-G17 |
|  | V Bottom 2           | 0.71-3.34   | 408-485.38    | 1.494   | G13-G15 |
|  | V Bottom 1           | 0.85-4.82   | 410.23-491.49 | 2.653   | G13-G15 |
|  | V Bottom             | 0.27-4.45   | 399.78-555.27 | 15.831  | G11-G17 |
|  | V Top & V Bottom     | 2.13-8.61   | 390.43-557    | 13.036  | G11-G16 |
|  | IV Top 2             | 0.95-4.79   | 401-499.92    | 13.527  | G10-G17 |
|  | IV Top 1             | 1.05-4.47   | 405.25-502.45 | 10.406  | G10-G16 |
|  | IV Top               | 2.58-5.32   | 407.45-540.04 | 4.389   | G13-G16 |
|  | IV Bottom 2          | 1.9-6.71    | 409.7-513.94  | 7.354   | G11-G15 |
|  | IV Bottom 1          | 2.16-4.16   | 417.83-519.17 | 5.928   | G12-G16 |
|  | IV Bottom            | 1.66-11.14  | 422.9-547.4   | 23.883  | G11-G15 |
|  | IV Top & IV Bottom   | 4.96-13.74  | 437.222-590   | 30.156  | G12-G15 |
|  | L 3                  | 0.67-5.83   | 423.52-597.46 | 33.162  | G8-G15  |
|  | III Top 2            | 0.5-8.99    | 439.64-575.16 | 16.949  | G9-G15  |
|  | III Top 1            | 1.12-12.56  | 452.91-581    | 33.404  | G9-G14  |
|  | III Top              | 1.15-16.72  | 495.98-570.33 | 27.172  | G10-G13 |
|  | III Middle 2         | 0.22-6.47   | 461.1-578.9   | 13.843  | G8-G17  |
|  | III Middle1          | 0.62-7.93   | 464.8-588.14  | 13.261  | G6-G16  |
|  | III Middle           | 1.32-15.25  | 471.83-596.17 | 55.084  | G9-G14  |
|  | III Top & III Middle | 14.26-27.24 | 536.29-625.45 | 55.793  | G10-G12 |
|  | III Bottom 2         | 10.62-10.62 | 571.99-571.99 | 0       |         |
|  | III Bottom 1         | 4.8-4.8     | 580.48-580.48 | 0       |         |
|  | III Bottom           | 16.1-22.87  | 490.7-652.74  | 194.622 | G9-G11  |
|  | II C                 | 0.71-3.41   | 505.07-593.51 | 7.359   | G6-G16  |
|  | II B                 | 1.04-12.02  | 515.33-669.48 | 78.299  | G9-G12  |
|  | II A                 | 6.92-16.82  | 539.77-662.3  | 62.011  | G9-G14  |
|  | II A 2               | 2.47-10.88  | 532.94-674    | 3.985   | G10-G12 |
|  | II A 1               | 1.76-8.46   | 539.75-684.09 | 8.795   | G12-G13 |
|  | II A & L2            | 11.32-17.21 | 535.26-674    | 37.513  | G10-G13 |
|  | L 2                  | 0.24-4.1    | 542.28-665.49 | 11.666  | G5-G14  |
|  | I A                  | 0.27-3.43   | 570.76-714.86 | 8.785   | G4-G15  |
|  | I B                  | 1.11-4.65   | 574.5-724.77  | 16.18   | G5-G15  |
|  | I C                  | 0.25-3.35   | 576.81-735.22 | 8.056   | G3-G11  |
|  | I D                  | 0.08-4.53   | 586.04-739.47 | 8.189   | G2-G13  |
|  | I E                  | 0.16-1.44   | 596.38-748.79 | 1.88    | G3-G12  |
|  | I F                  | 0.33-1.9    | 620.54-771.74 | 4.76    | G2-G13  |

|            |   |   |               |                 |        |
|------------|---|---|---------------|-----------------|--------|
|            | I G   | 0.25-4.6  | 623.9-773.31  | 8.319           | G2-G11 |
|            | I H   | 0.07-2  | 639.96-790.27 | 7.976           | G2-G15 |
|            | I I   | 0.13-2.23   | 651.23-802.51 | 3.883           | G4-G16 |
|            | I J   | 0.13-0.8  | 662-820.52    | 0               |        |
|            | <b>Total</b>                                  |   |               | <b>1599.891</b> |        |
| <b>7.</b>  | <b>Surface Constraints</b>                    | -   |               |                 |        |
| <b>8.</b>  | <b>Grade of coal</b>                          | G12 (Provisional) based on weighted average grade as per grade-wise data in the GR.   |               |                 |        |
| <b>9.</b>  | <b>Decision Support System (DSS) Analysis</b> | Wildlife info: Sloth Bear, Dhole  |               |                 |        |
| <b>10.</b> | <b>Eco Sensitive Zone (ESZ)</b>               | Western boundary of the block is approx. 9 km from the boundary of the tiger corridor connecting Simlipal and Satkosia to the west and Northern boundary of the block is approx. 16 km from the boundary of the the tiger corridor connecting Simlipal and Satkosia to the north. Approx. 11 km from the boundary of the ESZ of Mahanadi Elephant Region. |               |                 |        |

#### PART B

| Sr. No. | Features                      | Details       |
|---------|-------------------------------|---------------|
| 1       | Tentative Peak rated Capacity | 2             |
| 2       | Mine plan availability        | Not Available |

**Note:**

1. The summary has been compiled from “Geological Report on Detailed Exploration for Coal in Kosala West Block, Talcher Coalfield, District: Angul, Odisha”. May-2021
2. The bounding coordinates and cardinal points are extracted from ArcGIS software and on ground DGPS survey is required to ascertain the exact location of the boundary.
3. Weighted average grade is calculated from the grade-wise resource data available in GR and is subject to change.

**Disclaimer:**

1. The analysis is done on Beta-version (Trial Version) of Decision Support System (DSS) of FSI / MOEF.
2. The Decision Rules for various parameters of this DSS System are controlled by FSI.
3. CMPDI only runs this DSS to obtain the status of any block based on these Decision Rules.
4. The database of the Decision Rules is updated by FSI from time to time.
5. CMPDI does not own any responsibility for variation in the results which are based on the Decision Rules of the FSI DSS in case of any update of the database at FSI end.

21°10'N

21°20'N

84°54'0"E

84°55'0"E

84°56'0"E

### Kosala West Block, Talcher Coalfield

FOR INTERNAL/RESTRICTED USE ONLY



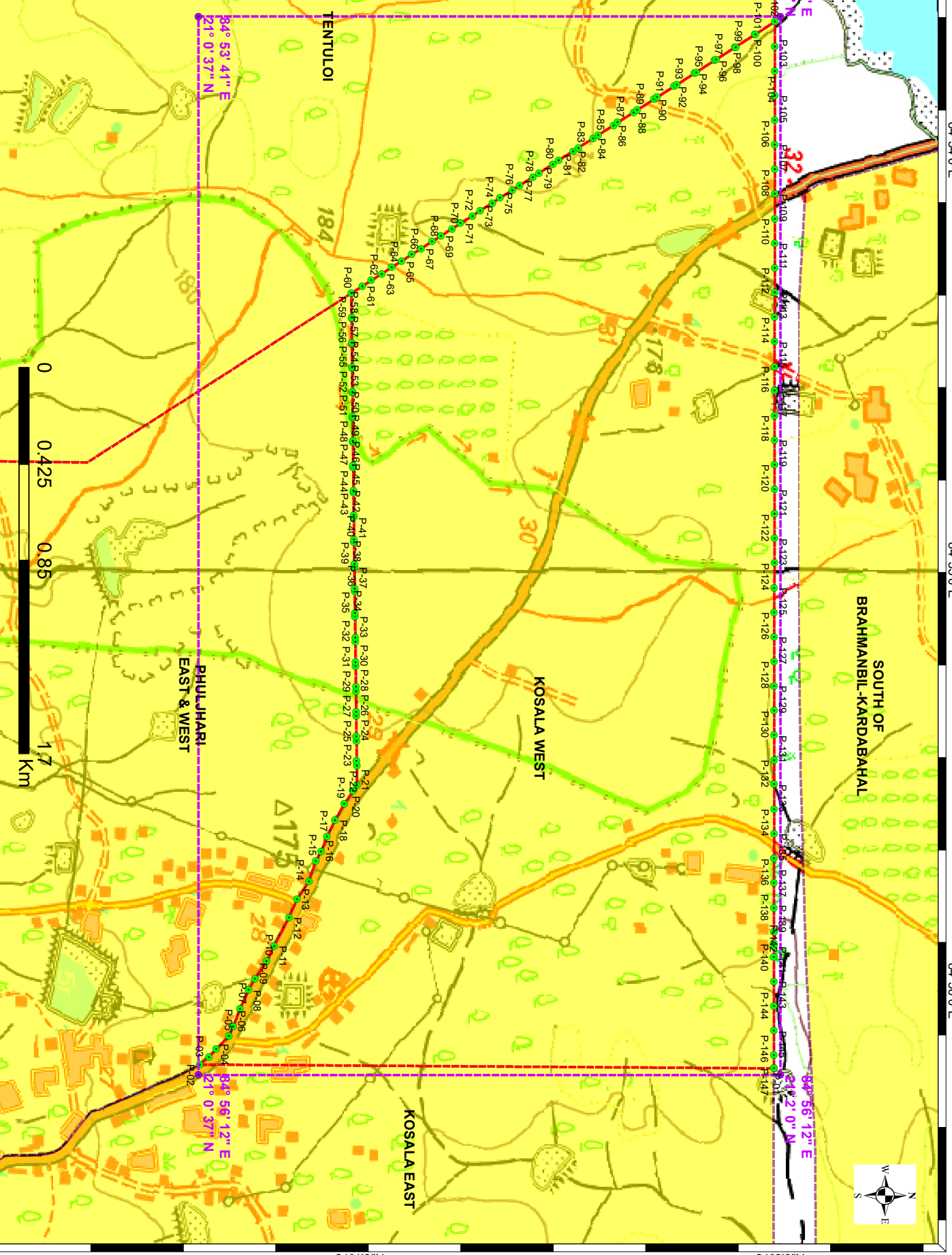
**Legend**

- Bounding Points
- Bounding Envelope
- Cardinal Points
- Block Boundary

**OCBIS\_BLOCKS**

**Category**

- CIL
- ADDITIONAL CIL
- CMSP
- MMDR
- SCCL



21°10'N

21°20'N

84°54'0"E

84°55'0"E

84°56'0"E



**Provisional Cardinal Points for KOSALA WEST Block**

| POINT NO | Longitude (WGS84) | Latitude (WGS84) |
|----------|-------------------|------------------|
| P-1      | 84° 56' 11.029" E | 21° 1' 59.059" N |
| P-2      | 84° 56' 10.472" E | 21° 0' 37.195" N |
| P-3      | 84° 56' 9.437" E  | 21° 0' 38.465" N |
| P-4      | 84° 56' 8.289" E  | 21° 0' 39.530" N |
| P-5      | 84° 56' 6.414" E  | 21° 0' 41.331" N |
| P-6      | 84° 56' 5.052" E  | 21° 0' 41.930" N |
| P-7      | 84° 56' 2.540" E  | 21° 0' 42.912" N |
| P-8      | 84° 55' 59.827" E | 21° 0' 44.141" N |
| P-9      | 84° 55' 58.239" E | 21° 0' 45.080" N |
| P-10     | 84° 55' 55.731" E | 21° 0' 46.695" N |
| P-11     | 84° 55' 53.539" E | 21° 0' 47.783" N |
| P-12     | 84° 55' 49.522" E | 21° 0' 49.915" N |
| P-13     | 84° 55' 46.918" E | 21° 0' 51.049" N |
| P-14     | 84° 55' 44.319" E | 21° 0' 52.785" N |
| P-15     | 84° 55' 41.439" E | 21° 0' 53.749" N |
| P-16     | 84° 55' 40.070" E | 21° 0' 54.488" N |
| P-17     | 84° 55' 38.014" E | 21° 0' 55.317" N |
| P-18     | 84° 55' 35.639" E | 21° 0' 56.450" N |
| P-19     | 84° 55' 33.266" E | 21° 0' 57.798" N |
| P-20     | 84° 55' 31.442" E | 21° 0' 59.056" N |
| P-21     | 84° 55' 30.675" E | 21° 0' 59.593" N |
| P-22     | 84° 55' 27.890" E | 21° 0' 59.561" N |
| P-23     | 84° 55' 27.165" E | 21° 0' 59.553" N |
| P-24     | 84° 55' 24.342" E | 21° 0' 59.520" N |
| P-25     | 84° 55' 23.655" E | 21° 0' 59.512" N |
| P-26     | 84° 55' 20.794" E | 21° 0' 59.479" N |
| P-27     | 84° 55' 20.145" E | 21° 0' 59.472" N |
| P-28     | 84° 55' 17.246" E | 21° 0' 59.438" N |
| P-29     | 84° 55' 16.636" E | 21° 0' 59.431" N |
| P-30     | 84° 55' 13.698" E | 21° 0' 59.398" N |
| P-31     | 84° 55' 13.126" E | 21° 0' 59.391" N |
| P-32     | 84° 55' 10.151" E | 21° 0' 59.357" N |
| P-33     | 84° 55' 9.616" E  | 21° 0' 59.350" N |
| P-34     | 84° 55' 6.603" E  | 21° 0' 59.316" N |
| P-35     | 84° 55' 6.106" E  | 21° 0' 59.310" N |
| P-36     | 84° 55' 3.055" E  | 21° 0' 59.275" N |
| P-37     | 84° 55' 2.597" E  | 21° 0' 59.269" N |
| P-38     | 84° 54' 59.507" E | 21° 0' 59.234" N |
| P-39     | 84° 54' 59.087" E | 21° 0' 59.229" N |
| P-40     | 84° 54' 55.959" E | 21° 0' 59.193" N |
| P-41     | 84° 54' 55.577" E | 21° 0' 59.188" N |
| P-42     | 84° 54' 52.411" E | 21° 0' 59.151" N |
| P-43     | 84° 54' 52.067" E | 21° 0' 59.147" N |
| P-44     | 84° 54' 48.863" E | 21° 0' 59.110" N |
| P-45     | 84° 54' 48.558" E | 21° 0' 59.107" N |
| P-46     | 84° 54' 45.315" E | 21° 0' 59.069" N |
| P-47     | 84° 54' 45.048" E | 21° 0' 59.066" N |

|      |                   |                  |
|------|-------------------|------------------|
| P-48 | 84° 54' 41.767" E | 21° 0' 59.028" N |
| P-49 | 84° 54' 41.538" E | 21° 0' 59.025" N |
| P-50 | 84° 54' 38.219" E | 21° 0' 58.987" N |
| P-51 | 84° 54' 38.028" E | 21° 0' 58.985" N |
| P-52 | 84° 54' 34.671" E | 21° 0' 58.946" N |
| P-53 | 84° 54' 34.519" E | 21° 0' 58.944" N |
| P-54 | 84° 54' 31.124" E | 21° 0' 58.905" N |
| P-55 | 84° 54' 31.009" E | 21° 0' 58.903" N |
| P-56 | 84° 54' 27.576" E | 21° 0' 58.863" N |
| P-57 | 84° 54' 27.499" E | 21° 0' 58.862" N |
| P-58 | 84° 54' 24.028" E | 21° 0' 58.822" N |
| P-59 | 84° 54' 23.990" E | 21° 0' 58.822" N |
| P-60 | 84° 54' 20.480" E | 21° 0' 58.781" N |
| P-61 | 84° 54' 19.472" E | 21° 1' 0.354" N  |
| P-62 | 84° 54' 18.635" E | 21° 1' 1.659" N  |
| P-63 | 84° 54' 17.675" E | 21° 1' 3.157" N  |
| P-64 | 84° 54' 16.791" E | 21° 1' 4.538" N  |
| P-65 | 84° 54' 15.879" E | 21° 1' 5.961" N  |
| P-66 | 84° 54' 14.946" E | 21° 1' 7.416" N  |
| P-67 | 84° 54' 14.082" E | 21° 1' 8.765" N  |
| P-68 | 84° 54' 13.101" E | 21° 1' 10.295" N |
| P-69 | 84° 54' 12.285" E | 21° 1' 11.568" N |
| P-70 | 84° 54' 11.257" E | 21° 1' 13.174" N |
| P-71 | 84° 54' 10.489" E | 21° 1' 14.372" N |
| P-72 | 84° 54' 9.412" E  | 21° 1' 16.052" N |
| P-73 | 84° 54' 8.692" E  | 21° 1' 17.176" N |
| P-74 | 84° 54' 7.567" E  | 21° 1' 18.931" N |
| P-75 | 84° 54' 6.895" E  | 21° 1' 19.979" N |
| P-76 | 84° 54' 5.722" E  | 21° 1' 21.809" N |
| P-77 | 84° 54' 5.098" E  | 21° 1' 22.783" N |
| P-78 | 84° 54' 3.878" E  | 21° 1' 24.688" N |
| P-79 | 84° 54' 3.302" E  | 21° 1' 25.586" N |
| P-80 | 84° 54' 2.033" E  | 21° 1' 27.566" N |
| P-81 | 84° 54' 1.505" E  | 21° 1' 28.390" N |
| P-82 | 84° 54' 0.188" E  | 21° 1' 30.445" N |
| P-83 | 84° 53' 59.708" E | 21° 1' 31.194" N |
| P-84 | 84° 53' 58.343" E | 21° 1' 33.323" N |
| P-85 | 84° 53' 57.911" E | 21° 1' 33.997" N |
| P-86 | 84° 53' 56.498" E | 21° 1' 36.202" N |
| P-87 | 84° 53' 56.114" E | 21° 1' 36.801" N |
| P-88 | 84° 53' 54.653" E | 21° 1' 39.080" N |
| P-89 | 84° 53' 54.317" E | 21° 1' 39.604" N |
| P-90 | 84° 53' 52.809" E | 21° 1' 41.959" N |
| P-91 | 84° 53' 52.521" E | 21° 1' 42.408" N |
| P-92 | 84° 53' 50.964" E | 21° 1' 44.837" N |
| P-93 | 84° 53' 50.724" E | 21° 1' 45.212" N |
| P-94 | 84° 53' 49.119" E | 21° 1' 47.716" N |
| P-95 | 84° 53' 48.927" E | 21° 1' 48.015" N |
| P-96 | 84° 53' 47.274" E | 21° 1' 50.594" N |
| P-97 | 84° 53' 47.130" E | 21° 1' 50.819" N |

|       |                   |                  |
|-------|-------------------|------------------|
| P-98  | 84° 53' 45.429" E | 21° 1' 53.473" N |
| P-99  | 84° 53' 45.333" E | 21° 1' 53.622" N |
| P-100 | 84° 53' 43.584" E | 21° 1' 56.351" N |
| P-101 | 84° 53' 43.536" E | 21° 1' 56.426" N |
| P-102 | 84° 53' 41.739" E | 21° 1' 59.230" N |
| P-103 | 84° 53' 45.248" E | 21° 1' 59.226" N |
| P-104 | 84° 53' 48.758" E | 21° 1' 59.222" N |
| P-105 | 84° 53' 52.268" E | 21° 1' 59.219" N |
| P-106 | 84° 53' 55.777" E | 21° 1' 59.215" N |
| P-107 | 84° 53' 59.287" E | 21° 1' 59.212" N |
| P-108 | 84° 54' 2.797" E  | 21° 1' 59.208" N |
| P-109 | 84° 54' 6.306" E  | 21° 1' 59.204" N |
| P-110 | 84° 54' 9.816" E  | 21° 1' 59.201" N |
| P-111 | 84° 54' 13.326" E | 21° 1' 59.197" N |
| P-112 | 84° 54' 16.835" E | 21° 1' 59.193" N |
| P-113 | 84° 54' 20.345" E | 21° 1' 59.189" N |
| P-114 | 84° 54' 23.855" E | 21° 1' 59.186" N |
| P-115 | 84° 54' 27.364" E | 21° 1' 59.182" N |
| P-116 | 84° 54' 30.874" E | 21° 1' 59.178" N |
| P-117 | 84° 54' 34.384" E | 21° 1' 59.174" N |
| P-118 | 84° 54' 37.893" E | 21° 1' 59.170" N |
| P-119 | 84° 54' 41.403" E | 21° 1' 59.166" N |
| P-120 | 84° 54' 44.913" E | 21° 1' 59.162" N |
| P-121 | 84° 54' 48.422" E | 21° 1' 59.158" N |
| P-122 | 84° 54' 51.932" E | 21° 1' 59.155" N |
| P-123 | 84° 54' 55.442" E | 21° 1' 59.151" N |
| P-124 | 84° 54' 58.951" E | 21° 1' 59.147" N |
| P-125 | 84° 55' 2.461" E  | 21° 1' 59.142" N |
| P-126 | 84° 55' 5.971" E  | 21° 1' 59.138" N |
| P-127 | 84° 55' 9.480" E  | 21° 1' 59.134" N |
| P-128 | 84° 55' 12.990" E | 21° 1' 59.130" N |
| P-129 | 84° 55' 16.499" E | 21° 1' 59.126" N |
| P-130 | 84° 55' 20.009" E | 21° 1' 59.122" N |
| P-131 | 84° 55' 23.519" E | 21° 1' 59.118" N |
| P-132 | 84° 55' 27.028" E | 21° 1' 59.114" N |
| P-133 | 84° 55' 30.538" E | 21° 1' 59.109" N |
| P-134 | 84° 55' 34.048" E | 21° 1' 59.105" N |
| P-135 | 84° 55' 37.557" E | 21° 1' 59.101" N |
| P-136 | 84° 55' 41.067" E | 21° 1' 59.097" N |
| P-137 | 84° 55' 44.577" E | 21° 1' 59.092" N |
| P-138 | 84° 55' 48.086" E | 21° 1' 59.088" N |
| P-139 | 84° 55' 51.596" E | 21° 1' 59.084" N |
| P-140 | 84° 55' 53.234" E | 21° 1' 59.082" N |
| P-141 | 84° 55' 53.612" E | 21° 1' 59.081" N |
| P-142 | 84° 55' 55.106" E | 21° 1' 59.079" N |
| P-143 | 84° 55' 58.615" E | 21° 1' 59.075" N |
| P-144 | 84° 56' 2.125" E  | 21° 1' 59.071" N |
| P-145 | 84° 56' 5.635" E  | 21° 1' 59.066" N |
| P-146 | 84° 56' 9.144" E  | 21° 1' 59.062" N |



Note: The coordinates are generated using ArcGIS software. Block boundary is not physically surveyed on the ground. This may likely to change after DGPS survey on the ground.