

## PATHAKHURI PIPARIYA COAL BLOCK SUMMARY

### PART A

| Sr. No                            | Features                        | Details  |
|-----------------------------------|---------------------------------|--|
| <b>1. Location</b>                |                                 |  |
|                                   | Coal Block                      | <b>PATHAKHURI-PIPARIYA</b>   |
|                                   | Latitude                        | 22° 14' 52" N-22° 17' 25" N (Provisional)  |
|                                   | Longitude                       | 78° 48' 56" E-78° 50' 51" E (Provisional)  |
|                                   | Topo Sheet No.                  | 55 J/16 (R.F. 1:50000).  |
|                                   | Coalfield                       | Pench Kanhan Valley Coalfield  |
|                                   | Villages                        | Pipariya, Buddi, Duddi, Lohari, Khairi Ojha, Barur, Deori  |
|                                   | Tehsil/Taluka                   | Parasia  |
|                                   | District                        | Chhindwara   |
|                                   | State                           | Madhya Pradesh   |
| <b>2. Connectivity with Block</b> |                                 |  |
|                                   | Nearest Rail Head               | The nearest railway station is Parasia Railway Station on Nagpur Chhindwara lane of south eastern railway.   |
|                                   | Road                            | The Pathakhuri-Pipariya Block is accessible from district headquarter Chhindwara at about 26 Km by an all-weather metal road in South East direction.<br>The area is connected by Parasia-Damua Highway (Parasia-Chhindwara 27kms, Chhindwara-Nagpur Kms) by road.<br>The nearest town is Parasia which is about 12 Km from block in south-west direction. |
|                                   | Airport                         | The nearest airport is Nagpur about 156Km.   |
| <b>3. Area</b>                    |                                 |  |
|                                   | Geological Block Area           | 9.11 sq.km. (As per shape file. Refer Note No. 3)  |
|                                   | Forest Area                     | Approx. 46% (As Per FSI map)   |
|                                   | Non-Forest Area                 | Approx. 54%  |
| <b>4. Climate and Topography</b>  |                                 |  |
|                                   | Average Annual Rainfall         | 76.33-140.80 cm  |
|                                   | Temperature (Min. — Max.)       | 10°C to 45.0°C   |
|                                   | Local Surface Drainage Channels | The area has five Streams or Nallahs coming from the ridges located in the northern and eastern parts of the block.  |

|            |   |  |                 |                         |        |
|------------|---|--|-----------------|-------------------------|--------|
|            | Rivers  | There is a major Nala or river Ghatamali flowing from north to south all along the western boundary of the block.  |                 |                         |        |
| <b>5.</b>  | <b>Exploration</b>                            |  |                 |                         |        |
|            | Status  | Explored   |                 |                         |        |
|            | Exploration Agency                            | GSI, APC   |                 |                         |        |
|            | Total Number of Boreholes with meterage       | 65 Boreholes; 33208.18m  |                 |                         |        |
|            | Borehole Density                              | Approx. 7.13 bh/sq.km  |                 |                         |        |
|            | General Dip of Seams                          | Dip of the beds as deciphered is 2.5° to 8.4° with North north-westerly dip.   |                 |                         |        |
|            | General Strike Direction                      | Strike of the Beds is ENE-WSW.   |                 |                         |        |
|            | Faults  | A total of 9 faults have been deciphered based on sub surface data. All the faults are normal gravity faults. In general faults are trending ENE-WSW to E-W. Of these nine faults, three faults are being continued from Rawanwara North Block.<br>Seven faults are of southerly to south south-easterly throw varying from 2m to 180m, and two faults are of northerly down throw varying from 35to 120m. |                 |                         |        |
| <b>6.</b>  | <b>Coal Seams &amp; Reserve</b>               |  |                 |                         |        |
|            | Coal Seams                                    | Thickness Range (m)  | Depth Range (m) | Geological Reserve (MT) | Grade  |
|            | <b>IA</b>                                     | 0.16-1.36  | 343.16-600.65   | 9.728                   | G4-G14 |
|            | <b>IB</b>                                     | 0.42-3.30  | 345.75-605.45   | 22.265                  | G4-G15 |
|            | <b>IC</b>                                     | 0.30-3.17  | 349.09-607.38   | 16.575                  | G3-G15 |
|            | <b>IIA</b>                                    | 0.30-2.78  | 357.16-613.97   | 16.854                  | G5-G12 |
|            | <b>IIB</b>                                    | 0.31-2.67  | 361.68-618.85   | 17.032                  | G5-G11 |
|            | <b>III</b>                                    | 0.35-2.82  | 384.38-636.50   | 21.190                  | G2-G10 |
|            | <b>IV</b>                                     | 1.10-5.21  | 388.97-641.34   | 12.917                  | G2-G13 |
|            | <b>V</b>                                      | 0.15-2.71  | 398.31-654.32   | 12.098                  | G3-G10 |
|            |   | <b>Total</b>   |                 | <b>154.487</b>          |        |
| <b>7.</b>  | <b>Surface Constraints</b>                    |  |                 |                         |        |
| <b>8.</b>  | <b>Grade of the block</b>                     | G7 (Provisional) based on weighted average grade as per data available in GR.  |                 |                         |        |
| <b>9.</b>  | <b>Decision Support System (DSS) Analysis</b> | The polygon touches major river(s).- Devrani Nala,   |                 |                         |        |
| <b>10.</b> | <b>Eco Sensitive Zone (ESZ) Analysis</b>      | NW boundary of the block is approx. 11 km from the boundary of ESZ of Panchmarhi. SW boundary of the block is approx. 30 km from the tiger corridor connecting Panchmarhi (Satpura) and Pench.   |                 |                         |        |

## PART B

| Sr. No. | Features      | Details |
|---------|---------------|---------|
| 1.      | Tentative PRC | 0.5 Mty |

**Note:**

1. The above data is compiled from Geological Report, Mining Plan and the data furnished by the prior allottee in Annexure-I/II, as available. For clarifications with regard to above data, please refer aforesaid source documents.
2. The boundary of the block has been taken from GR after conversion to WGS84 system by feature matching. The block boundary is provisional and the cardinal points, bounding co-ordinates are approximate.
3. There is a difference in area in the shape file and GR. Area in the shape file is based on feature mapped plan of the block as given in the GR. So, the area is tentative and field DGPS survey is required to ascertain the exact area.

**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.
6. ESZ analysis and tiger habitat/ corridor given here is based on the information available in public domain. Bidders are encouraged to verify this information and any other information additionally available.





**Provisional Cardinal Points for PATHAKHURI-PIPARIA Block**

| POINT NO | Longitude (WGS84) | Latitude (WGS84)  |
|----------|-------------------|-------------------|
| P-1      | 78° 50' 50.179" E | 22° 17' 24.066" N |
| P-2      | 78° 50' 48.880" E | 22° 15' 1.373" N  |
| P-3      | 78° 50' 50.030" E | 22° 14' 53.274" N |
| P-4      | 78° 49' 31.179" E | 22° 14' 52.873" N |
| P-5      | 78° 49' 31.179" E | 22° 14' 52.873" N |
| P-6      | 78° 49' 31.179" E | 22° 14' 52.875" N |
| P-7      | 78° 49' 32.979" E | 22° 15' 2.473" N  |
| P-8      | 78° 49' 33.110" E | 22° 15' 2.667" N  |
| P-9      | 78° 49' 33.125" E | 22° 15' 2.688" N  |
| P-10     | 78° 49' 35.338" E | 22° 15' 5.946" N  |
| P-11     | 78° 49' 39.121" E | 22° 15' 9.130" N  |
| P-12     | 78° 49' 40.502" E | 22° 15' 12.311" N |
| P-13     | 78° 49' 41.694" E | 22° 15' 20.564" N |
| P-14     | 78° 49' 43.902" E | 22° 15' 28.043" N |
| P-15     | 78° 49' 46.299" E | 22° 15' 32.171" N |
| P-16     | 78° 49' 46.018" E | 22° 15' 35.953" N |
| P-17     | 78° 49' 43.798" E | 22° 15' 39.303" N |
| P-18     | 78° 49' 43.333" E | 22° 15' 42.654" N |
| P-19     | 78° 49' 45.176" E | 22° 15' 46.094" N |
| P-20     | 78° 49' 50.343" E | 22° 15' 50.053" N |
| P-21     | 78° 49' 54.196" E | 22° 15' 51.756" N |
| P-22     | 78° 49' 55.604" E | 22° 15' 52.378" N |
| P-23     | 78° 49' 58.461" E | 22° 15' 57.795" N |
| P-24     | 78° 50' 0.396" E  | 22° 16' 1.837" N  |
| P-25     | 78° 50' 5.931" E  | 22° 16' 6.999" N  |
| P-26     | 78° 50' 6.166" E  | 22° 16' 7.942" N  |
| P-27     | 78° 50' 7.178" E  | 22° 16' 12.002" N |
| P-28     | 78° 50' 8.225" E  | 22° 16' 16.200" N |
| P-29     | 78° 50' 8.072" E  | 22° 16' 16.433" N |
| P-30     | 78° 50' 6.915" E  | 22° 16' 18.199" N |
| P-31     | 78° 50' 6.610" E  | 22° 16' 18.665" N |
| P-32     | 78° 50' 6.588" E  | 22° 16' 18.699" N |
| P-33     | 78° 50' 5.732" E  | 22° 16' 21.094" N |
| P-34     | 78° 49' 59.629" E | 22° 16' 28.653" N |
| P-35     | 78° 49' 53.900" E | 22° 16' 32.429" N |
| P-36     | 78° 49' 47.526" E | 22° 16' 34.228" N |
| P-37     | 78° 49' 42.166" E | 22° 16' 38.177" N |
| P-38     | 78° 49' 37.822" E | 22° 16' 41.525" N |
| P-39     | 78° 49' 27.842" E | 22° 16' 47.188" N |
| P-40     | 78° 49' 19.527" E | 22° 16' 50.275" N |
| P-41     | 78° 49' 12.321" E | 22° 16' 52.417" N |
| P-42     | 78° 49' 6.872" E  | 22° 16' 52.669" N |
| P-43     | 78° 49' 1.697" E  | 22° 16' 55.071" N |
| P-44     | 78° 48' 57.354" E | 22° 16' 58.075" N |
| P-45     | 78° 48' 56.243" E | 22° 16' 59.878" N |
| P-46     | 78° 48' 57.996" E | 22° 17' 1.341" N  |
| P-47     | 78° 49' 2.244" E  | 22° 17' 1.345" N  |

**Provisional Cardinal Points for PATHAKHURI-PIPARIA Block**

| POINT NO | Longitude (WGS84) | Latitude (WGS84)  |
|----------|-------------------|-------------------|
| P-48     | 78° 49' 6.956" E  | 22° 16' 59.975" N |
| P-49     | 78° 49' 10.834" E | 22° 17' 0.322" N  |
| P-50     | 78° 49' 13.142" E | 22° 17' 1.700" N  |
| P-51     | 78° 49' 16.740" E | 22° 17' 4.797" N  |
| P-52     | 78° 49' 21.079" E | 22° 17' 6.778" N  |
| P-53     | 78° 49' 28.090" E | 22° 17' 13.231" N |
| P-54     | 78° 49' 28.977" E | 22° 17' 23.866" N |
| P-55     | 78° 49' 59.978" E | 22° 17' 24.066" N |
| P-56     | 78° 50' 19.778" E | 22° 17' 24.266" N |