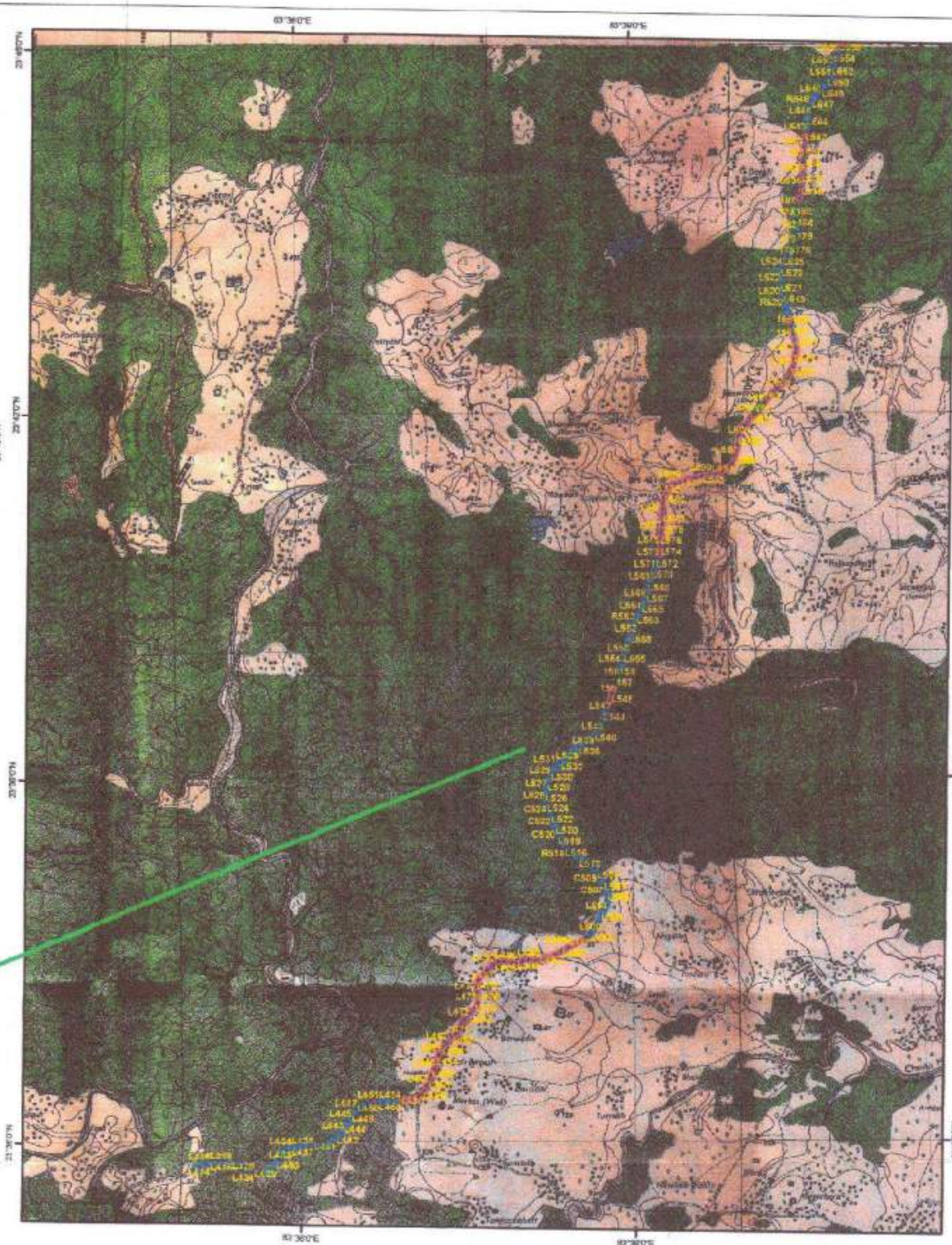
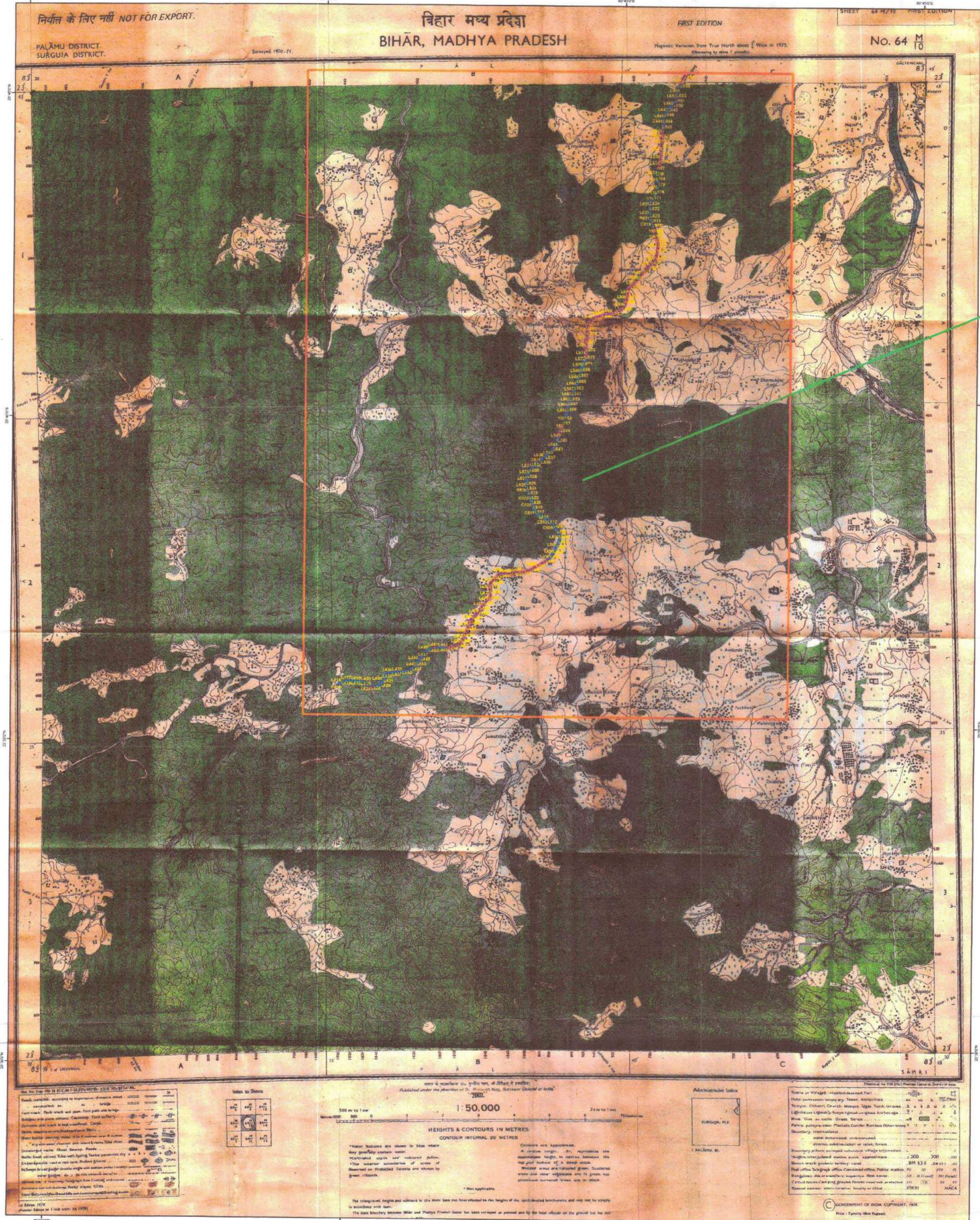




SURVEY SITE ON SOI TOPOSHEET No.: 64M10  
WIDENING OF EXISTING ROAD FROM  
AMBIKAPUR TO RAMANUJGANJ ROAD NH NO. 343  
FOREST DIVISION BALRAMPUR  
DISTRICT BALRAMPUR & SURGUJA  
CHHATTISGARH



Scale  
1:60,000  
1 centimeter = 600 meters  
0 1,500 3,000 6,000 Meters

SURVEYED GROUND CONTROL POINTS

|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|

**Legend**

SURVEYED\_GROUND\_CONTROL\_POINTS  
CENTER\_LINE

**Survey Site Total Area : 237.327 (In Hectare)**

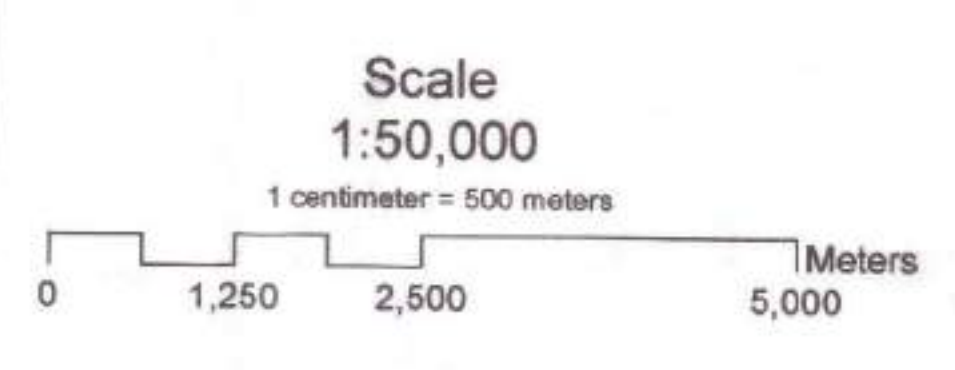
- Total Protected Forest Area : 79.523 (In Hectare)
- Total Reserve Forest Area : 7.035 (In Hectare)
- Total Revenue Forest Area : 5.897 (In Hectare)
- Total Revenue Non-Forest Area : 144.872 (In Hectare)

**SOI TOPOSHEET MAP NO. : 64M10**

**RGB**

- Red: Layer\_1
- Green: Layer\_2
- Blue: Layer\_3

**NOTE : MAP IS TO PRINTED IN A0 SIZE**



Geographic Coordinate Systems  
WGS 1984  
Projected Coordinate Systems  
WGS 1984 UTM Zone 44N

SEAL & SIGN



Sub Divisional Officer  
P.W.D. N.H. Sub-Division  
Ambikapur (C.G.)

संयुक्त कमान/विभागीय  
आचार्य

संयुक्त कमान/विभागीय  
आचार्य

संयुक्त कमान/विभागीय  
आचार्य







SURVEY SITE ON SOI TOPOSHEET NO. : 64M7  
WIDENING OF EXISTING ROAD FROM  
AMBIKAPUR TO RAMANUJGANJ ROAD NH NO. 343  
FOREST DIVISION BALRAMPUR  
DISTRICT BALRAMPUR & SURGUJA  
CHHATTISGARH



No. F44F7  
Scale 1:50,000



भारतीय सर्वेक्षण विभाग SURVEY OF INDIA

1st Edition 2010. Price : Rs. 70/-

### CONVENTIONAL SYMBOLS



#### REFERENCE

**NOTES -**

Height is in metres and above Indian mean sea level.  
Contours are northwards.

A relative height, e.g., -30, represents the approximate height, in meters, between the top and bottom of a water level.

Traverse soundings, i.e., in-line soundings, were made from July to December.

Uncontoured meads and backwaters in this level are generally inaccessible in dry season.

The interquartile height and contours in this sheet have not been selected for the "regions of the report" labelled sound level and may not be entirely in accordance with them.

The smaller boundaries of areas of Reserved or Protected Forests are shown with green lines.

ON INDEX



Projection - UTM Datum - WGS 84  
Magnetic Variation from True North about  $2^{\circ}$  West in 2005.  
(Decreasing by about 1' annually).

500 m to 1 cm 1:50,000 2 cm to 1 km

Topographic map of the study area showing contour lines and elevation. The map includes a scale bar from 0 to 3 km and a contour interval of 20 meters.

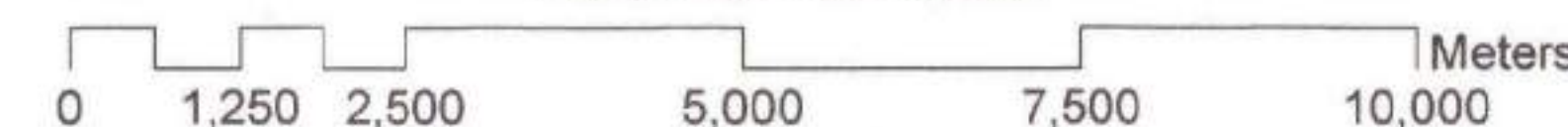
For further details about this map, please contact  
Director  
Chhatrapati Geo-Spatial Data Centre  
Survey of India, Pashupad Naka

Report

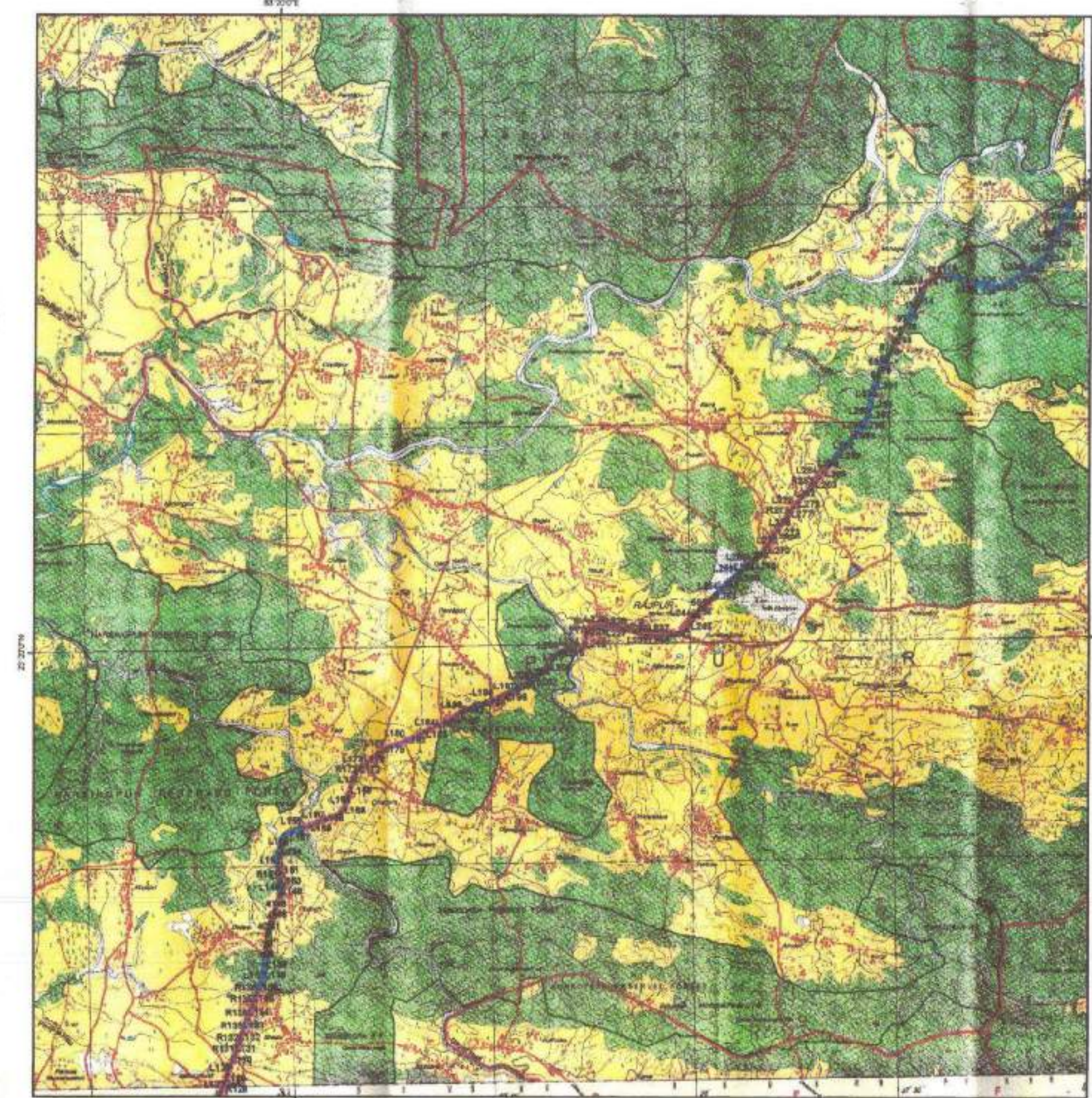
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Geographic Coordinate Systems  
WGS 1984  
Projected Coordinate Systems  
WGS 1984 UTM Zone 44N

**Scale**  
1:50,000  
1 centimeter = 500 meters



**Legend**



Scale  
1:80,000

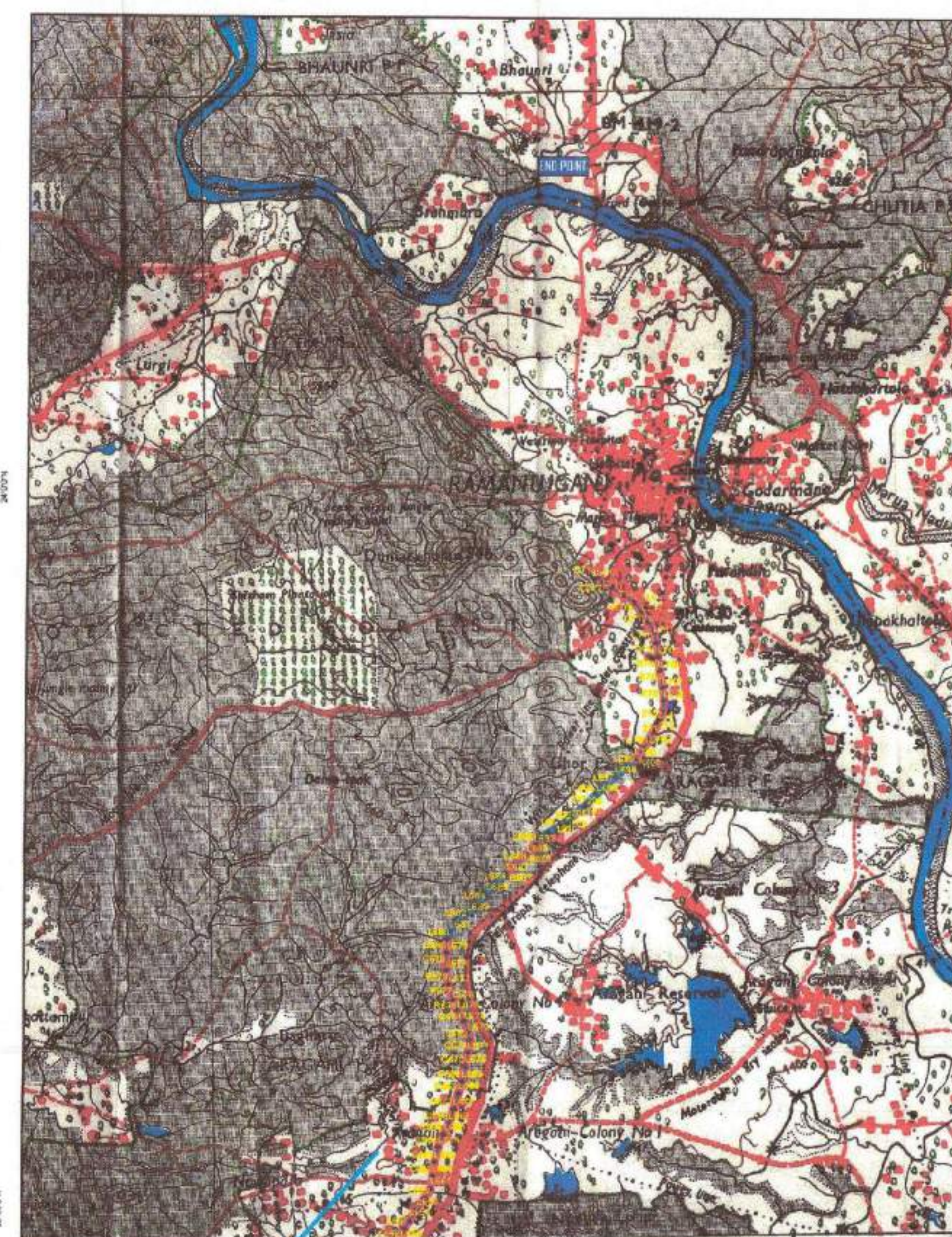
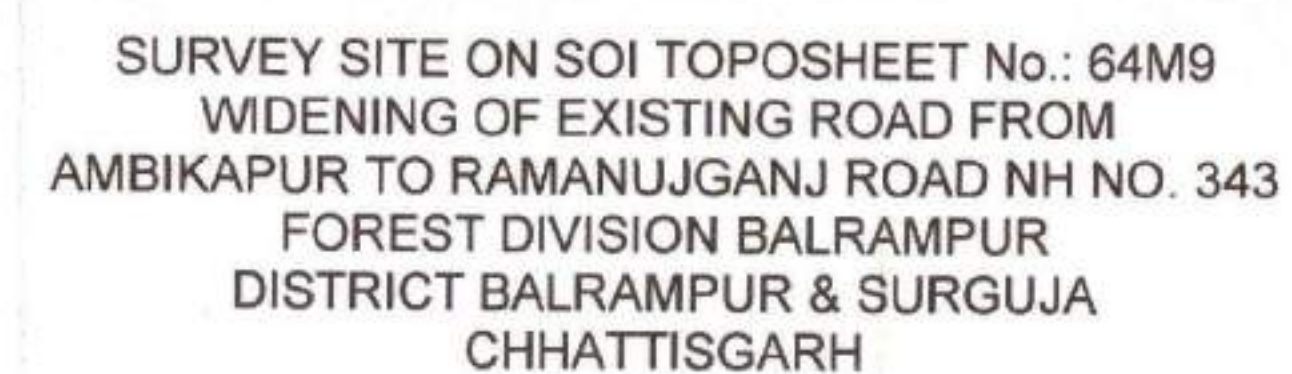
1 centimeter = 800 meters

5,200 7,800 10,400 Meters

### SURVEYED GROUND CONTROL POINTS

[illegible]





Scale  
1:31,500

1 centimeter = 315 meters

| Time (hours) | Number of people |
|--------------|------------------|
| 0            | 0                |
| 200          | 1,000            |
| 400          | 1,000            |
| 400          | 700              |
| 600          | 700              |
| 600          | 1,000            |
| 800          | 1,000            |
| 800          | 700              |
| 1000         | 700              |
| 1000         | 1,000            |
| 1200         | 1,000            |
| 1200         | 700              |
| 1400         | 700              |
| 1400         | 1,000            |

# SURVEYED GROUND CONTROL POINTS

| Point_ID | Longitude    | Latitude       | Point_ID | Longitude    | Latitude       | Point_ID | Longitude    | Latitude     |
|----------|--------------|----------------|----------|--------------|----------------|----------|--------------|--------------|
| C056     | 84° 53.0121' | 23° 49.0211' N | L879     | 84° 51.8597' | 23° 53.7519' N | R203     | 83° 42.7127' | 23° 47.1182' |
| C058     | 84° 53.5107' | 23° 49.0211' N | C060     | 84° 51.8597' | 23° 54.2817' N | L798     | 83° 42.7127' | 23° 47.1182' |
| C059     | 84° 53.5107' | 23° 49.0211' N | C061     | 84° 51.8597' | 23° 54.2817' N | L799     | 83° 42.7127' | 23° 47.1182' |
| C062     | 84° 54.1181' | 23° 49.3451' N | L080     | 84° 51.8597' | 23° 54.1378' N | R204     | 83° 49.6088' | 23° 45.1651' |
| C063     | 84° 54.6181' | 23° 49.3451' N | C064     | 84° 51.8597' | 23° 54.1378' N | L794     | 83° 49.6088' | 23° 45.1651' |
| C065     | 84° 55.1181' | 23° 49.3451' N | C066     | 84° 51.8597' | 23° 54.1378' N | L795     | 83° 49.6088' | 23° 45.1651' |
| C067     | 84° 55.3104' | 23° 49.3451' N | C068     | 84° 51.7577' | 23° 54.2102' N | R205     | 83° 50.1106' | 23° 47.8571' |
| C068     | 84° 55.3104' | 23° 49.3451' N | C069     | 84° 51.7577' | 23° 54.2102' N | L796     | 83° 50.1106' | 23° 47.8571' |
| C069     | 84° 55.3104' | 23° 49.3451' N | C070     | 84° 51.7577' | 23° 54.2102' N | L797     | 83° 50.1106' | 23° 47.8571' |
| C070     | 84° 55.3104' | 23° 49.3451' N | C071     | 84° 51.7577' | 23° 54.2102' N | L798     | 83° 50.1106' | 23° 47.8571' |
| C071     | 84° 55.3104' | 23° 49.3451' N | C072     | 84° 51.7577' | 23° 54.2102' N | L799     | 83° 50.1106' | 23° 47.8571' |
| C072     | 84° 55.3104' | 23° 49.3451' N | C073     | 84° 51.7577' | 23° 54.2102' N | L800     | 83° 50.1106' | 23° 47.8571' |
| C073     | 84° 55.3104' | 23° 49.3451' N | C074     | 84° 51.7577' | 23° 54.2102' N | L801     | 83° 50.1106' | 23° 47.8571' |
| C074     | 84° 55.3104' | 23° 49.3451' N | C075     | 84° 51.7577' | 23° 54.2102' N | L802     | 83° 50.1106' | 23° 47.8571' |
| C075     | 84° 55.3104' | 23° 49.3451' N | C076     | 84° 51.7577' | 23° 54.2102' N | L803     | 83° 50.1106' | 23° 47.8571' |
| C076     | 84° 55.3104' | 23° 49.3451' N | C077     | 84° 51.7577' | 23° 54.2102' N | L804     | 83° 50.1106' | 23° 47.8571' |
| C077     | 84° 55.3104' | 23° 49.3451' N | C078     | 84° 51.7577' | 23° 54.2102' N | L805     | 83° 50.1106' | 23° 47.8571' |
| C078     | 84° 55.3104' | 23° 49.3451' N | C079     | 84° 51.7577' | 23° 54.2102' N | L806     | 83° 50.1106' | 23° 47.8571' |
| C079     | 84° 55.3104' | 23° 49.3451' N | C080     | 84° 51.7577' | 23° 54.2102' N | L807     | 83° 50.1106' | 23° 47.8571' |
| C080     | 84° 55.3104' | 23° 49.3451' N | C081     | 84° 51.7577' | 23° 54.2102' N | L808     | 83° 50.1106' | 23° 47.8571' |
| C081     | 84° 55.3104' | 23° 49.3451' N | C082     | 84° 51.7577' | 23° 54.2102' N | L809     | 83° 50.1106' | 23° 47.8571' |
| C082     | 84° 55.3104' | 23° 49.3451' N | C083     | 84° 51.7577' | 23° 54.2102' N | L810     | 83° 50.1106' | 23° 47.8571' |
| C083     | 84° 55.3104' | 23° 49.3451' N | C084     | 84° 51.7577' | 23° 54.2102' N | L811     | 83° 50.1106' | 23° 47.8571' |
| C084     | 84° 55.3104' | 23° 49.3451' N | C085     | 84° 51.7577' | 23° 54.2102' N | L812     | 83° 50.1106' | 23° 47.8571' |
| C085     | 84° 55.3104' | 23° 49.3451' N | C086     | 84° 51.7577' | 23° 54.2102' N | L813     | 83° 50.1106' | 23° 47.8571' |
| C086     | 84° 55.3104' | 23° 49.3451' N | C087     | 84° 51.7577' | 23° 54.2102' N | L814     | 83° 50.1106' | 23° 47.8571' |
| C087     | 84° 55.3104' | 23° 49.3451' N | C088     | 84° 51.7577' | 23° 54.2102' N | L815     | 83° 50.1106' | 23° 47.8571' |
| C088     | 84° 55.3104' | 23° 49.3451' N | C089     | 84° 51.7577' | 23° 54.2102' N | L816     | 83° 50.1106' | 23° 47.8571' |
| C089     | 84° 55.3104' | 23° 49.3451' N | C090     | 84° 51.7577' | 23° 54.2102' N | L817     | 83° 50.1106' | 23° 47.8571' |
| C090     | 84° 55.3104' | 23° 49.3451' N | C091     | 84° 51.7577' | 23° 54.2102' N | L818     | 83° 50.1106' | 23° 47.8571' |
| C091     | 84° 55.3104' | 23° 49.3451' N | C092     | 84° 51.7577' | 23° 54.210     |          |              |              |

Sub Divisional Officer  
P.W.D.N.H. Sub-Division  
Ambikapur (C.G.)

Executive Engineer  
P.W.D. H.M. Division




ल. प. री. वि. वि. वि.  
रा. वि. वि. वि.

Scale  
1:50,000

1 centimeter = 500 meters

1,400      2,800

Geographic Coordinate Systems  
WGS 1984  
Projected Coordinate Systems  
WGS 1984 UTM Zone 44N

SEAL &amp; SIGN

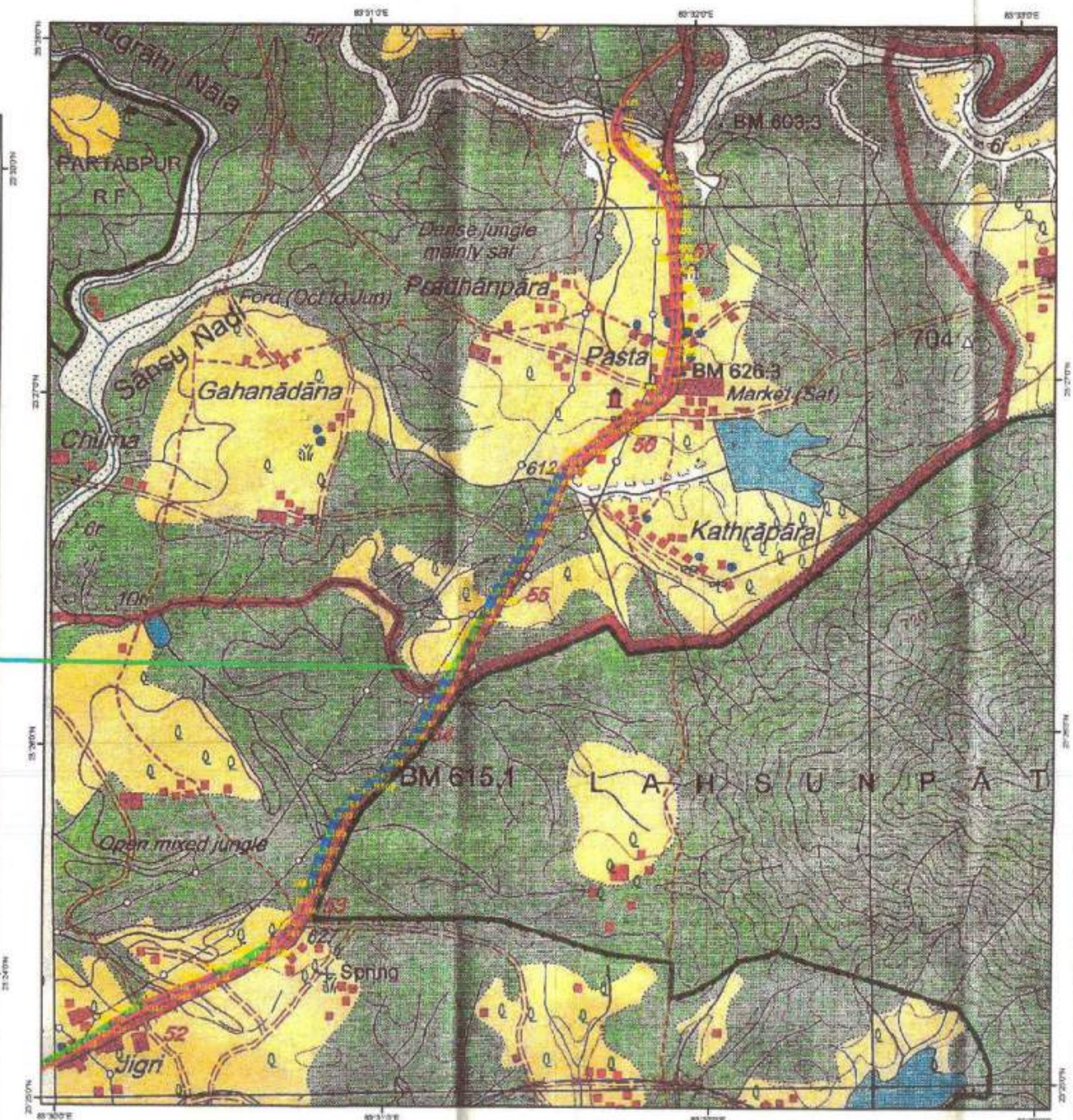


MAP PREPARED BY  
COMPUTER PLUS RAIPUR

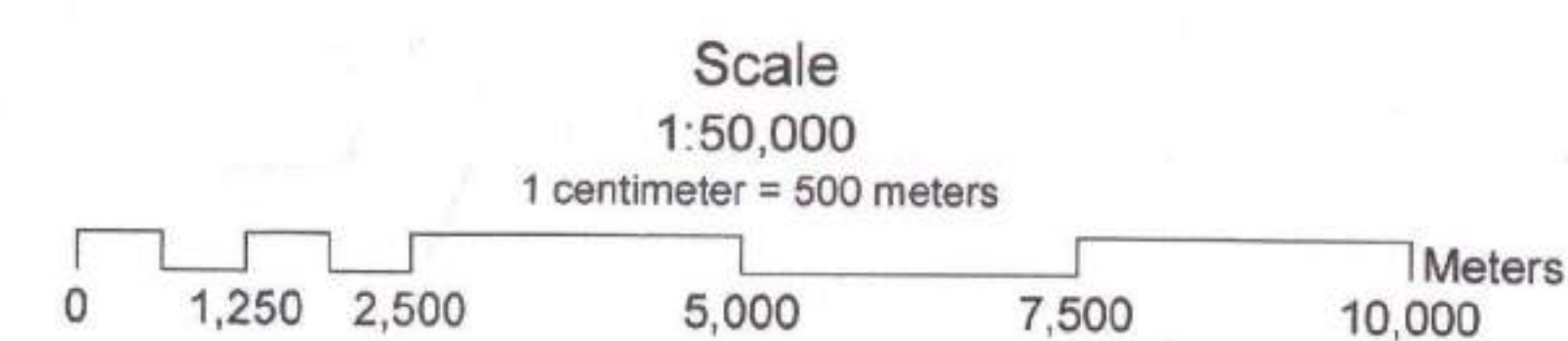
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\* SURVEYED\_GROUND\_CONTROL\_POINTS  
 CENTER\_LINE  
 Survey Site Total Area : 237.327 (in Hectare)  
 Total Protected Forest Area : 79.523 (in Hectare)  
 Total Reserve Forest Area : 7.035 (in Hectare)  
 Total Revenue Forest Area : 5.567 (in Hectare)  
 Total Revenue Non-Forest Area : 144.872 (in Hectare)  
 SOI TOPOSHEET MAP NO. 64M9  
 RGB  
 Red: Band\_1  
 Green: Band\_2  
 Blue: Band\_3





| SURVEYED GROUP CONTROL POINT |           |                  |                   |       |           |                  |       |           |                  |
|------------------------------|-----------|------------------|-------------------|-------|-----------|------------------|-------|-----------|------------------|
| Point                        | Code      | Latitude         | Longitude         | Point | Code      | Latitude         | Point | Code      | Latitude         |
| B301                         | BP 1.4801 | 27° 25' 53.678"N | 127° 50' 59.780"E | C371  | BP 1.1512 | 27° 25' 59.380"E | B302  | BP 1.4802 | 27° 25' 53.678"N |
| B301                         | BP 1.4805 | 27° 25' 53.678"N | 127° 50' 59.780"E | C372  | BP 1.1516 | 27° 25' 59.380"E | B303  | BP 1.4806 | 27° 25' 53.678"N |
| B302                         | BP 1.4806 | 27° 25' 53.678"N | 127° 50' 59.780"E | C373  | BP 1.1520 | 27° 25' 59.380"E | B304  | BP 1.4807 | 27° 25' 53.678"N |
| B303                         | BP 1.4807 | 27° 25' 53.678"N | 127° 50' 59.780"E | C374  | BP 1.1524 | 27° 25' 59.380"E | B305  | BP 1.4808 | 27° 25' 53.678"N |
| B304                         | BP 1.4808 | 27° 25' 53.678"N | 127° 50' 59.780"E | C375  | BP 1.1528 | 27° 25' 59.380"E | B306  | BP 1.4809 | 27° 25' 53.678"N |
| B305                         | BP 1.4809 | 27° 25' 53.678"N | 127° 50' 59.780"E | C376  | BP 1.1532 | 27° 25' 59.380"E | B307  | BP 1.4810 | 27° 25' 53.678"N |
| B306                         | BP 1.4810 | 27° 25' 53.678"N | 127° 50' 59.780"E | C377  | BP 1.1536 | 27° 25' 59.380"E | B308  | BP 1.4811 | 27° 25' 53.678"N |
| B307                         | BP 1.4811 | 27° 25' 53.678"N | 127° 50' 59.780"E | C378  | BP 1.1540 | 27° 25' 59.380"E | B309  | BP 1.4812 | 27° 25' 53.678"N |
| B308                         | BP 1.4812 | 27° 25' 53.678"N | 127° 50' 59.780"E | C379  | BP 1.1544 | 27° 25' 59.380"E | B310  | BP 1.4813 | 27° 25' 53.678"N |
| B309                         | BP 1.4813 | 27° 25' 53.678"N | 127° 50' 59.780"E | C380  | BP 1.1548 | 27° 25' 59.380"E | B311  | BP 1.4814 | 27° 25' 53.678"N |
| B310                         | BP 1.4814 | 27° 25' 53.678"N | 127° 50' 59.780"E | C381  | BP 1.1552 | 27° 25' 59.380"E | B312  | BP 1.4815 | 27° 25' 53.678"N |
| B311                         | BP 1.4815 | 27° 25' 53.678"N | 127° 50' 59.780"E | C382  | BP 1.1556 | 27° 25' 59.380"E | B313  | BP 1.4816 | 27° 25' 53.678"N |
| B312                         | BP 1.4816 | 27° 25' 53.678"N | 127° 50' 59.780"E | C383  | BP 1.1560 | 27° 25' 59.380"E | B314  | BP 1.4817 | 27° 25' 53.678"N |
| B313                         | BP 1.4817 | 27° 25' 53.678"N | 127° 50' 59.780"E | C384  | BP 1.1564 | 27° 25' 59.380"E | B315  | BP 1.4818 | 27° 25' 53.678"N |
| B314                         | BP 1.4818 | 27° 25' 53.678"N | 127° 50' 59.780"E | C385  | BP 1.1568 | 27° 25' 59.380"E | B316  | BP 1.4819 | 27° 25' 53.678"N |
| B315                         | BP 1.4819 | 27° 25' 53.678"N | 127° 50' 59.780"E | C386  | BP 1.1572 | 27° 25' 59.380"E | B317  | BP 1.4820 | 27° 25' 53.678"N |
| B316                         | BP 1.4820 | 27° 25' 53.678"N | 127° 50' 59.780"E | C387  | BP 1.1576 | 27° 25' 59.380"E | B318  | BP 1.4821 | 27° 25' 53.678"N |
| B317                         | BP 1.4821 | 27° 25' 53.678"N | 127° 50' 59.780"E | C388  | BP 1.1580 | 27° 25' 59.380"E | B319  | BP 1.4822 | 27° 25' 53.678"N |
| B318                         | BP 1.4822 | 27° 25' 53.678"N | 127° 50' 59.780"E | C389  | BP 1.1584 | 27° 25' 59.380"E | B320  | BP 1.4823 | 27° 25' 53.678"N |
| B319                         | BP 1.4823 | 27° 25' 53.678"N | 127° 50' 59.780"E | C390  | BP 1.1588 | 27° 25' 59.380"E | B321  | BP 1.4824 | 27° 25' 53.678"N |
| B320                         | BP 1.4824 | 27° 25' 53.678"N | 127° 50' 59.780"E | C391  | BP 1.1592 | 27° 25' 59.380"E | B322  | BP 1.4825 | 27° 25' 53.678"N |
| B321                         | BP 1.4825 | 27° 25' 53.678"N | 127° 50' 59.780"E | C392  | BP 1.1596 | 27° 25' 59.380"E | B323  | BP 1.4826 | 27° 25' 53.678"N |
| B322                         | BP 1.4826 | 27° 25' 53.678"N | 127° 50' 59.780"E | C393  | BP 1.1600 | 27° 25' 59.380"E | B324  | BP 1.4827 | 27° 25' 53.678"N |
| B323                         | BP 1.4827 | 27° 25' 53.678"N | 127° 50' 59.780"E | C394  | BP 1.1604 | 27° 25' 59.380"E | B325  | BP 1.4828 | 27° 25' 53.678"N |
| B324                         | BP 1.4828 | 27° 25' 53.678"N | 127° 50' 59.780"E | C395  | BP 1.1608 | 27° 25' 59.380"E | B326  | BP 1.4829 | 27° 25' 53.678"N |
| B325                         | BP 1.4829 | 27° 25' 53.678"N | 127° 50' 59.780"E | C396  | BP 1.1612 | 27° 25' 59.380"E | B327  | BP 1.4830 | 27° 25' 53.678"N |



Geographic Coordinate Systems  
WGS 1984  
Projected Coordinate Systems  
WGS 1984 UTM Zone 44N

**Legend**

SURVEYED\_GROUND\_CONTROL\_POINTS

CENTER\_LINE

**Survey Site Total Area : 237.327 (In Hectare)**

|                                                                                       |                                                      |
|---------------------------------------------------------------------------------------|------------------------------------------------------|
|  | Total Protected Forest Area : 79.523 (In Hectare)    |
|  | Total Reserve Forest Area : 7.035 (In Hectare)       |
|  | Total Revenue Forest Area : 5.897 (In Hectare)       |
|  | Total Revenue Non-Forest Area : 144.872 (In Hectare) |

**SOI TOPOSHEET MAP NO. : 64M11**

**RGB**

|                                                                                       |               |
|---------------------------------------------------------------------------------------|---------------|
|  | Red: Band_1   |
|  | Green: Band_2 |
|  | Blue: Band_3  |

THIS MAP IS TO BE PRINTED IN A0 SIZE



*(Handwritten signature)*

**Sub Divisional Officer**  
**P.W.D. H.E. Division**  
**Ambikapur (C.G.)**

**संयुक्त कार्यालय**  
बाराक

*(Handwritten signature)*

**Sub Divisional Officer**  
**P.W.D. & M. Sub-Division**  
**Ambikapur (C.G.)**