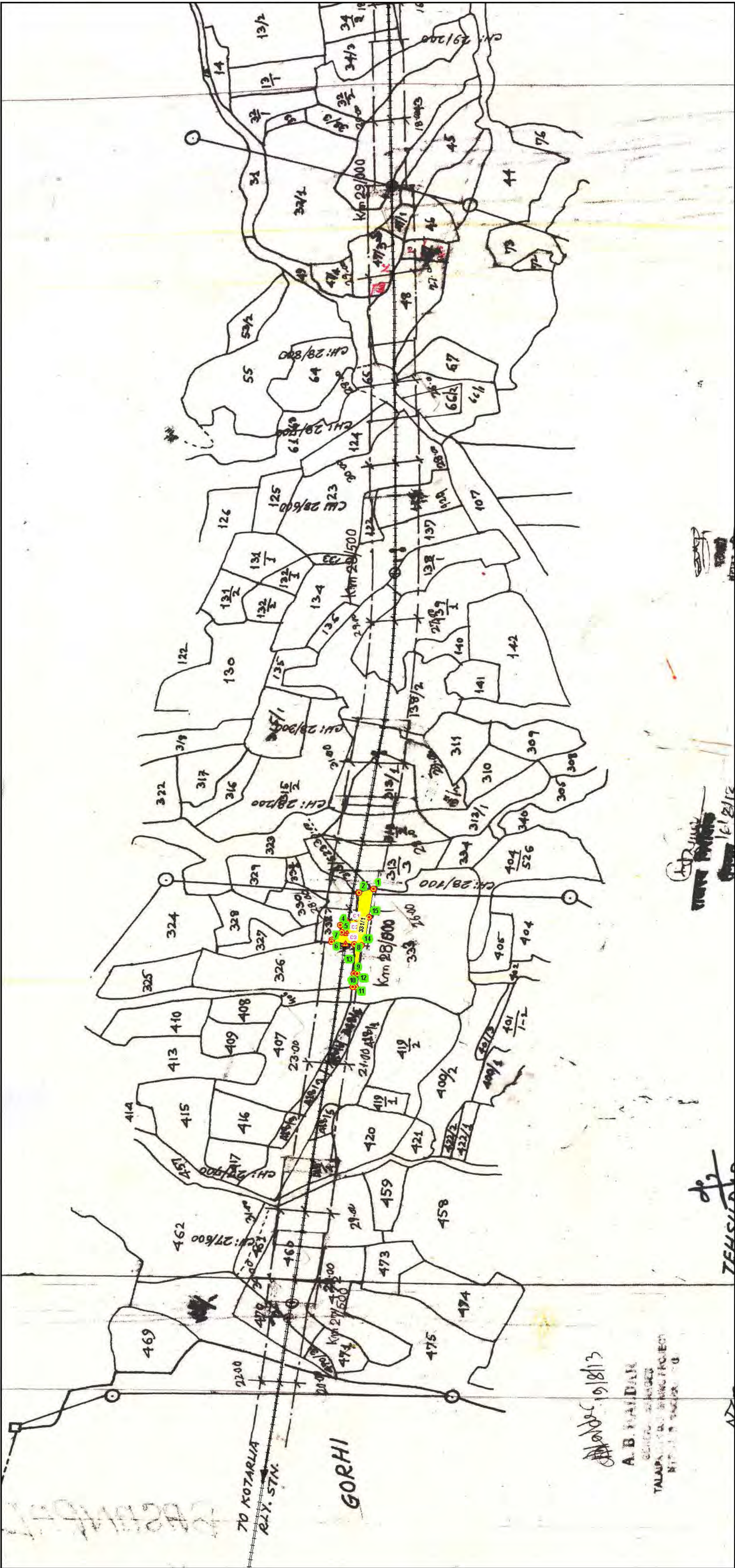
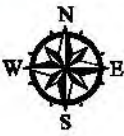


MAP SHOWING MERRY-GO-ROUND (MGR) RAILWAY LINE FOR TALAIPALLI COAL MINING PROJECT AND THEIR COORDINATES, RAIGARH, CHHATTISGARH, REVENUE FOREST OF BASANPALLI VILLAGE



BOUNDING AREA COORDINATES OF MGR RAILWAY LINE IN REVENUE FOREST, VILLAGE - BASANPALLI

| PILLAR NO | GEOGRAPHICAL COORDINATE |                    | UTM COORDINATE |               |
|-----------|-------------------------|--------------------|----------------|---------------|
|           | LONGITUDE               | LATITUDE           | EASTING        | NORTHING      |
| 1         | 83° 25' 16.60186" E     | 22° 5' 55.94459" N | 749806.44500   | 2445757.48322 |
| 2         | 83° 25' 15.95388" E     | 22° 5' 55.78214" N | 749787.94612   | 2445752.18969 |
| 3         | 83° 25' 15.86647" E     | 22° 5' 54.63138" N | 749786.00311   | 2445716.74533 |
| 4         | 83° 25' 15.11317" E     | 22° 5' 54.33986" N | 749764.54796   | 2445707.43272 |
| 5         | 83° 25' 15.18283" E     | 22° 5' 54.02187" N | 749766.70069   | 2445697.68093 |
| 6         | 83° 25' 14.74723" E     | 22° 5' 53.68037" N | 749754.37881   | 2445686.97570 |
| 7         | 83° 25' 14.73671" E     | 22° 5' 53.59466" N | 749754.11907   | 2445684.33398 |
| 8         | 83° 25' 15.73652" E     | 22° 5' 53.48004" N | 749782.84076   | 2445681.26340 |
| 9         | 83° 25' 15.72233" E     | 22° 5' 52.17924" N | 749783.07043   | 2445641.23610 |
| 10        | 83° 25' 15.68038" E     | 22° 5' 51.58483" N | 749782.15872   | 2445622.92922 |
| 11        | 83° 25' 15.79402" E     | 22° 5' 51.58704" N | 749785.41582   | 2445623.04901 |
| 12        | 83° 25' 15.87805" E     | 22° 5' 52.17496" N | 749787.53725   | 2445641.17558 |
| 13        | 83° 25' 15.92325" E     | 22° 5' 52.52091" N | 749788.66395   | 2445651.83970 |
| 14        | 83° 25' 16.06036" E     | 22° 5' 53.43064" N | 749792.14988   | 2445679.89119 |
| 15        | 83° 25' 16.39711" E     | 22° 5' 54.68274" N | 749801.19196   | 2445718.56723 |

| PILLAR NO | GEOGRAPHICAL COORDINATE |                    | UTM COORDINATE |               |
|-----------|-------------------------|--------------------|----------------|---------------|
|           | LONGITUDE               | LATITUDE           | EASTING        | NORTHING      |
| C1        | 83° 25' 15.46069" E     | 22° 5' 54.47435" N | 749774.44601   | 2445711.72896 |
| C2        | 83° 25' 15.39668" E     | 22° 5' 53.99107" N | 749772.84721   | 2445696.83083 |
| C3        | 83° 25' 15.33509" E     | 22° 5' 53.52606" N | 749771.30887   | 2445682.49625 |

| BOUNDING AREA OF MGR RAILWAY LINE IN REVENUE FOREST |            |                       |                  |
|-----------------------------------------------------|------------|-----------------------|------------------|
| SL. NO.                                             | KHASRA NO. | CATEGORY              | AREA IN HECTARES |
| 1                                                   | 333/1      | CHOTE JHAAD KE JANGAL | 0.210            |

Legend

▲

Centre Line Pillar of Railway Line

●

Revenue Forest Area Boundary Pillar

—

Proposed MGR Railway Line

■

MGR Line Under Revenue forest Area

Scale

1 : 4000

0

40

80

160

240

320

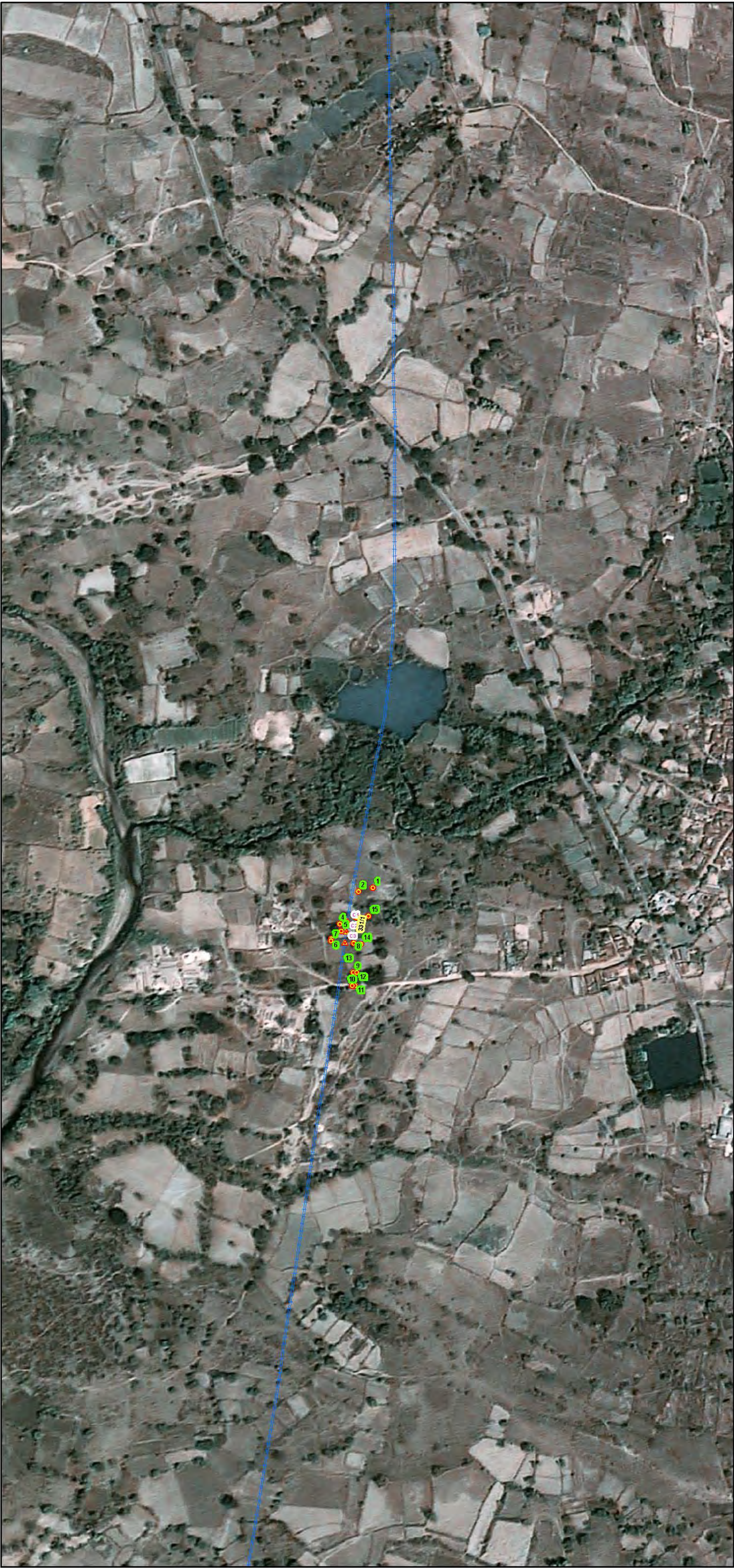
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Raipur, (CG) Pin - 492014



MAP SHOWING MERRY-GO-ROUND (MGR) RAILWAY LINE FOR TALAIPALLI COAL MINING PROJECT AND THEIR COORDINATES, RAIGARH, CHHATTISGARH, REVENUE FOREST OF BASANPALLI VILLAGE



| Bounding Area Coordinates of MGR Railway Line in Revenue Forest, Village - Basanpalli |                         |                    |                |               |
|---------------------------------------------------------------------------------------|-------------------------|--------------------|----------------|---------------|
| Pillar No                                                                             | Geographical Coordinate |                    | UTM Coordinate |               |
|                                                                                       | Longitude               | Latitude           | Easting        | Northing      |
| 1                                                                                     | 83° 25' 16.60186" E     | 22° 5' 55.94459" N | 749806.44500   | 2445757.48322 |
| 2                                                                                     | 83° 25' 15.95388" E     | 22° 5' 55.78214" N | 749787.94612   | 2445752.18969 |
| 3                                                                                     | 83° 25' 15.86647" E     | 22° 5' 54.63138" N | 749786.00311   | 2445716.74533 |
| 4                                                                                     | 83° 25' 15.11317" E     | 22° 5' 54.33986" N | 749764.54796   | 2445707.43272 |
| 5                                                                                     | 83° 25' 15.18283" E     | 22° 5' 54.02187" N | 749766.70069   | 2445697.68093 |
| 6                                                                                     | 83° 25' 14.74723" E     | 22° 5' 53.68037" N | 749754.37881   | 2445686.97570 |
| 7                                                                                     | 83° 25' 14.73671" E     | 22° 5' 53.59466" N | 749754.11907   | 2445684.33398 |
| 8                                                                                     | 83° 25' 15.73652" E     | 22° 5' 53.48004" N | 749782.84076   | 2445681.26340 |
| 9                                                                                     | 83° 25' 15.72233" E     | 22° 5' 52.17924" N | 749783.07043   | 2445641.23610 |
| 10                                                                                    | 83° 25' 15.68038" E     | 22° 5' 51.58483" N | 749782.15872   | 2445622.92922 |
| 11                                                                                    | 83° 25' 15.79402" E     | 22° 5' 51.58704" N | 749785.41582   | 2445623.04901 |
| 12                                                                                    | 83° 25' 15.87805" E     | 22° 5' 52.17496" N | 749787.53725   | 2445641.17558 |
| 13                                                                                    | 83° 25' 15.92325" E     | 22° 5' 52.52091" N | 749788.66395   | 2445651.83970 |
| 14                                                                                    | 83° 25' 16.06036" E     | 22° 5' 53.43064" N | 749792.14988   | 2445679.89119 |
| 15                                                                                    | 83° 25' 16.39711" E     | 22° 5' 54.68274" N | 749801.19196   | 2445718.56723 |

| Center Line Pillar Coordinates of Railway Line |                         |                    |                |               |
|------------------------------------------------|-------------------------|--------------------|----------------|---------------|
| Pillar No                                      | Geographical Coordinate |                    | UTM Coordinate |               |
|                                                | Longitude               | Latitude           | Easting        | Northing      |
| C1                                             | 83° 25' 15.46069" E     | 22° 5' 54.7435" N  | 749774.44601   | 2445711.72896 |
| C2                                             | 83° 25' 15.39668" E     | 22° 5' 53.99107" N | 749772.84721   | 2445696.83083 |
| C3                                             | 83° 25' 15.33509" E     | 22° 5' 53.52606" N | 749771.30887   | 2445682.49625 |

| Bounding Area of MGR Railway Line in Revenue Forest |            |                       |                  |
|-----------------------------------------------------|------------|-----------------------|------------------|
| Sl. No.                                             | Khasra No. | Category              | Area in Hectares |
| 1                                                   | 333/1      | CHOTE JHAAD KE JANGAL | 0.210            |

**Legend**

Centre Line Pillar of Railway Line

Revenue Forest Area Boundary Pillar

Proposed MGR Railway Line

MGR Line Under Revenue forest Area

**Scale**

1 : 4000

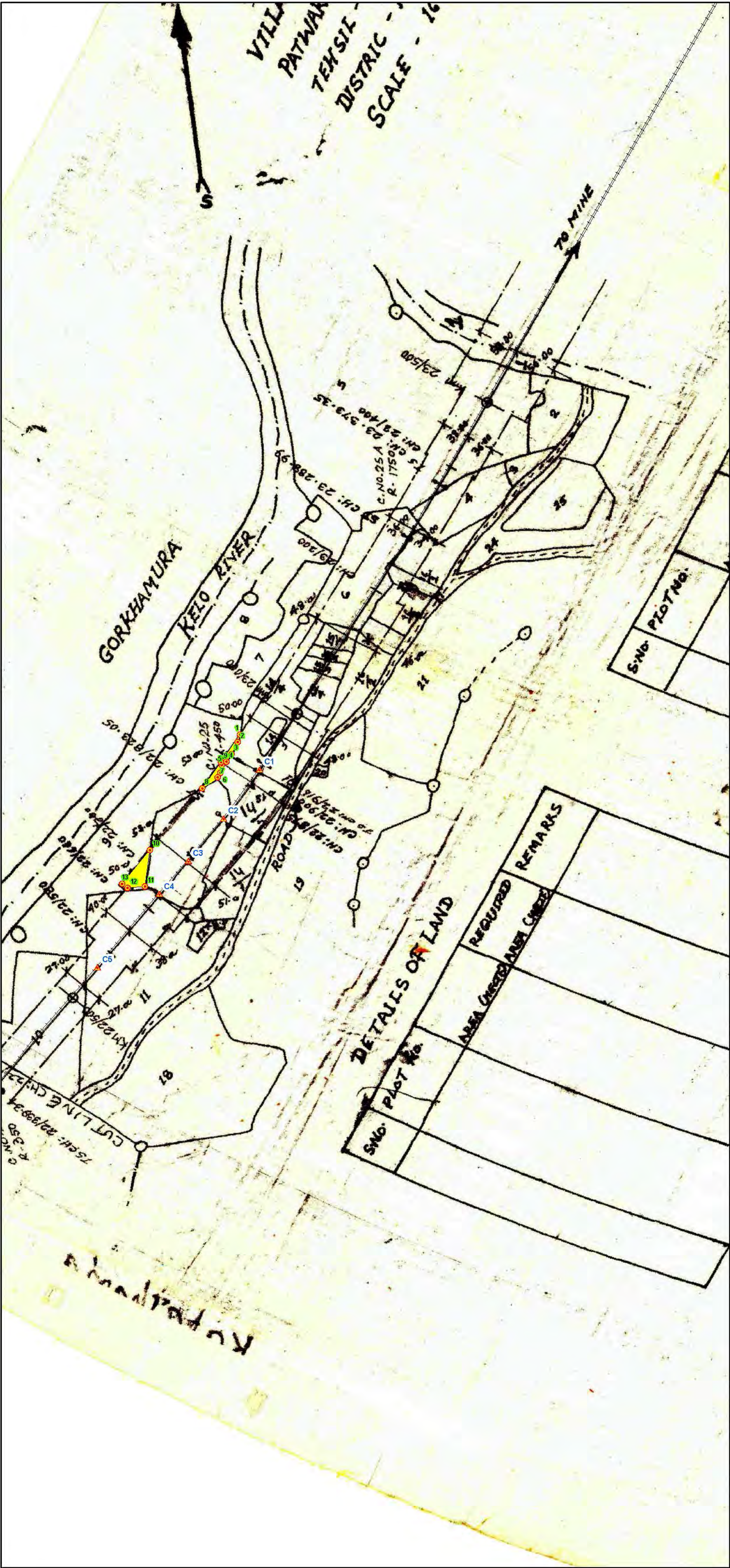
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MAP SHOWING MERRY-GO-ROUND (MGR) RAILWAY LINE FOR TALAIPALLI COAL MINING PROJECT AND THEIR COORDINATES, RAIGARH, CHHATTISGARH, REVENUE FOREST OF KANTA JHARIYA VILLAGE



BOUNDING AREA COORDINATES OF MGR RAILWAY LINE IN REVENUE FOREST, VILLAGE - KANTAJHARIYA

| PILLAR NO | GEOGRAPHICAL COORDINATE |                    | UTM COORDINATE |               |
|-----------|-------------------------|--------------------|----------------|---------------|
|           | LONGITUDE               | LATITUDE           | EASTING        | NORTHING      |
| 1         | 83° 24' 34.23147" E     | 22° 3' 16.79708" N | 748669.08388   | 2440841.86661 |
| 2         | 83° 24' 34.11037" E     | 22° 3' 16.44946" N | 748665.77981   | 2440831.11674 |
| 3         | 83° 24' 33.80698" E     | 22° 3' 15.90470" N | 748657.34345   | 2440814.21935 |
| 4         | 83° 24' 33.54337" E     | 22° 3' 15.56833" N | 748649.94676   | 2440803.75095 |
| 5         | 83° 24' 33.31468" E     | 22° 3' 15.41303" N | 748643.46334   | 2440798.86956 |
| 6         | 83° 24' 33.23257" E     | 22° 3' 15.05619" N | 748641.28190   | 2440787.85354 |
| 7         | 83° 24' 33.10605" E     | 22° 3' 14.85750" N | 748637.75000   | 2440781.68346 |
| 8         | 83° 24' 32.33249" E     | 22° 3' 14.36409" N | 748615.80413   | 2440766.15285 |
| 9         | 83° 24' 33.27841" E     | 22° 3' 15.54621" N | 748642.35828   | 2440802.95047 |
| 10        | 83° 24' 29.72648" E     | 22° 3' 11.58534" N | 748542.41411   | 2440679.48147 |
| 11        | 83° 24' 29.45733" E     | 22° 3' 9.91562" N  | 748535.50599   | 2440627.98906 |
| 12        | 83° 24' 28.60643" E     | 22° 3' 9.86499" N  | 748511.12663   | 2440626.04618 |
| 13        | 83° 24' 28.33409" E     | 22° 3' 10.06071" N | 748503.22063   | 2440631.94424 |

CENTER LINE PILLAR COORDINATE RAILWAY LINE

| PILLAR NO | GEOGRAPHICAL COORDINATE |                    | UTM COORDINATE |               |
|-----------|-------------------------|--------------------|----------------|---------------|
|           | LONGITUDE               | LATITUDE           | EASTING        | NORTHING      |
| C1        | 83° 24' 35.15080" E     | 22° 3' 15.18498" N | 748696.23380   | 2440792.68517 |
| C2        | 83° 24' 33.33998" E     | 22° 3' 12.97734" N | 748645.37278   | 2440723.94453 |
| C3        | 83° 24' 31.57896" E     | 22° 3' 11.05818" N | 748595.79947   | 2440664.10178 |
| C4        | 83° 24' 30.14696" E     | 22° 3' 9.57428" N  | 748555.45043   | 2440617.79961 |
| C5        | 83° 24' 27.05466" E     | 22° 3' 6.26424" N  | 748468.37024   | 2440514.56303 |

BOUNDING AREA OF MGR RAILWAY LINE IN REVENUE FOREST VILLAGE - KANTA JHARIYA

| SL. NO. | KHASRA NO. | CATEGORY               | AREA IN HECTARES |
|---------|------------|------------------------|------------------|
| 1       | 9          | CHHOTE JHAAD KE JANGAL | 0.140            |

Legend

- Centre Line Pillar of Railway Line
- Revenue Forest Area Boundary Pillar
- Proposed MGR Railway Line
- MGR Line Under Revenue forest Area

Scale

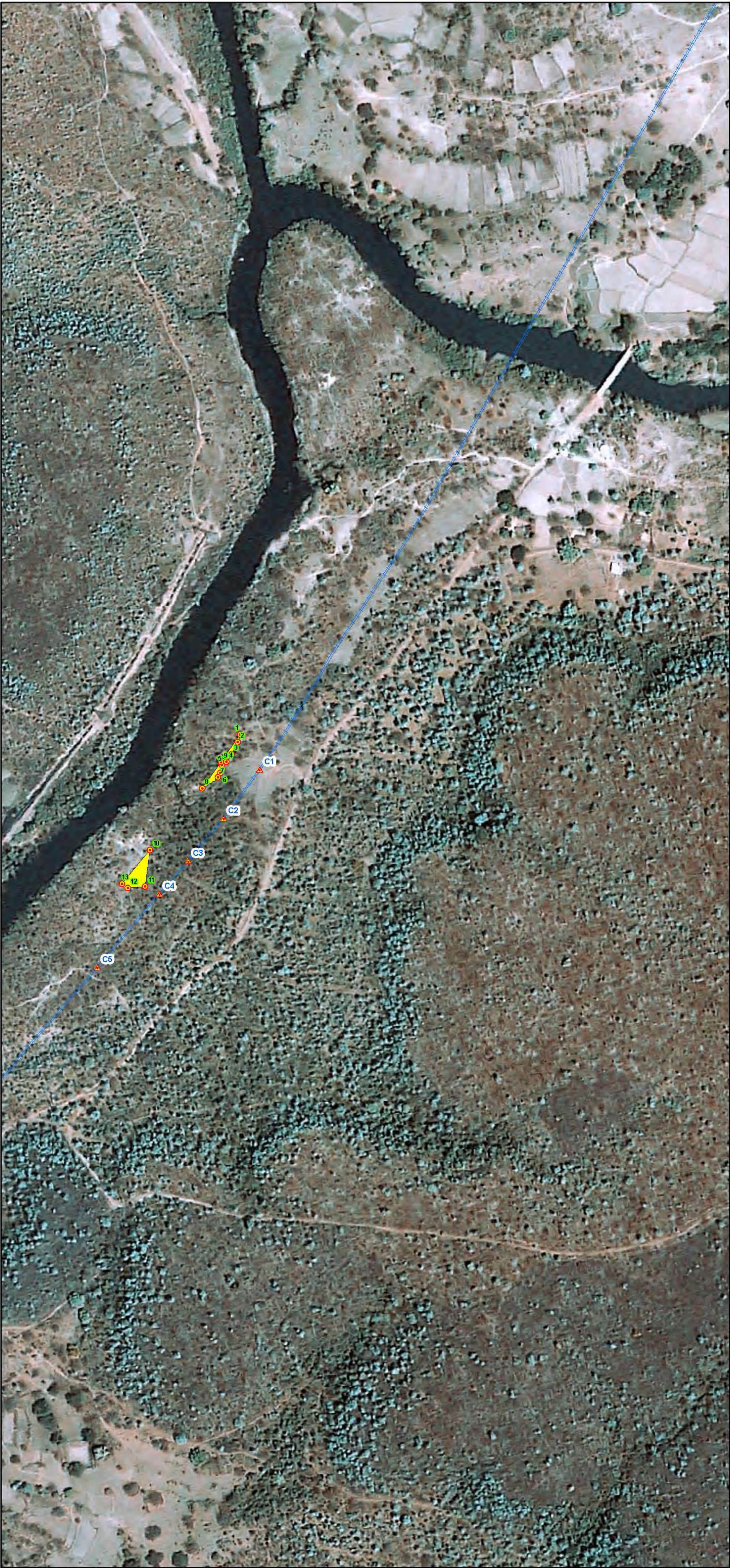
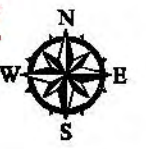
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Raipur, (CG) Pin - 492014



MAP SHOWING MERRY-GO-ROUND (MGR) RAILWAY LINE SUPERIMPOSED ON HIGH RESOLUTION SATELLITE IMAGE  
FOR TALAIPALLI COAL MINING PROJECT AND THEIR COORDINATES,  
RAIGARH, CHHATTISGARH, REVENUE FOREST OF KANTA JHARIYA VILLAGE



BOUNDING AREA COORDINATES OF MGR RAILWAY LINE IN REVENUE FOREST, VILLAGE - KANTAJHARIYA

| PILLAR NO | GEOGRAPHICAL COORDINATE |                    | UTM COORDINATE |               |
|-----------|-------------------------|--------------------|----------------|---------------|
|           | LONGITUDE               | LATITUDE           | EASTING        | NORTHING      |
| 1         | 83° 24' 34.23147" E     | 22° 3' 16.79708" N | 748669.08388   | 2440841.86661 |
| 2         | 83° 24' 34.11037" E     | 22° 3' 16.44946" N | 748665.77981   | 2440831.11674 |
| 3         | 83° 24' 33.80698" E     | 22° 3' 15.90470" N | 748657.34345   | 2440814.21935 |
| 4         | 83° 24' 33.54337" E     | 22° 3' 15.56833" N | 748649.94676   | 2440803.75095 |
| 5         | 83° 24' 33.31468" E     | 22° 3' 15.41303" N | 748643.46334   | 2440798.86956 |
| 6         | 83° 24' 33.23257" E     | 22° 3' 15.05619" N | 748641.28190   | 2440787.85354 |
| 7         | 83° 24' 33.10605" E     | 22° 3' 14.85750" N | 748637.75000   | 2440781.68346 |
| 8         | 83° 24' 32.33249" E     | 22° 3' 14.36409" N | 748615.80413   | 2440766.15285 |
| 9         | 83° 24' 33.27841" E     | 22° 3' 15.54621" N | 748642.35828   | 2440802.95047 |
| 10        | 83° 24' 29.72648" E     | 22° 3' 11.58534" N | 748542.41411   | 2440679.48147 |
| 11        | 83° 24' 29.45733" E     | 22° 3' 9.91562" N  | 748535.50599   | 2440627.98906 |
| 12        | 83° 24' 28.60643" E     | 22° 3' 9.86499" N  | 748511.12663   | 2440626.04618 |
| 13        | 83° 24' 28.33409" E     | 22° 3' 10.06071" N | 748503.22063   | 2440631.94424 |

CENTER LINE PILLAR COORDINATE RAILWAY LINE

| PILLAR NO | GEOGRAPHICAL COORDINATE |                    | UTM COORDINATE |               |
|-----------|-------------------------|--------------------|----------------|---------------|
|           | LONGITUDE               | LATITUDE           | EASTING        | NORTHING      |
| C1        | 83° 24' 35.15080" E     | 22° 3' 15.18498" N | 748696.23380   | 2440792.68517 |
| C2        | 83° 24' 33.33998" E     | 22° 3' 12.97734" N | 748645.37278   | 2440723.94453 |
| C3        | 83° 24' 31.57896" E     | 22° 3' 11.05818" N | 748595.79947   | 2440664.10178 |
| C4        | 83° 24' 30.14696" E     | 22° 3' 9.57428" N  | 748555.45043   | 2440617.79961 |
| C5        | 83° 24' 27.05466" E     | 22° 3' 6.26424" N  | 748468.37024   | 2440514.56303 |

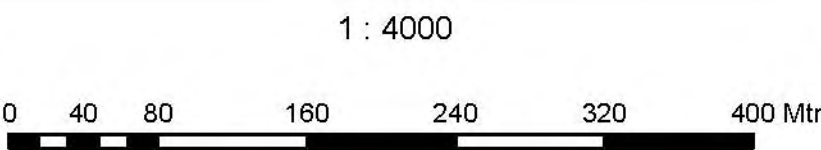
BOUNDING AREA OF MGR RAILWAY LINE IN REVENUE FOREST VILLAGE - KANTA JHARIYA

| SL. NO. | KHASRA NO. | CATEGORY               | AREA IN HECTARES |
|---------|------------|------------------------|------------------|
| 1       | 9          | CHHOTE JHAAD KE JANGAL | 0.140            |

Legend

- Centre Line Pillar of Railway Line
- Revenue Forest Area Boundary Pillar
- Proposed MGR Railway Line
- MGR Line Under Revenue forest Area

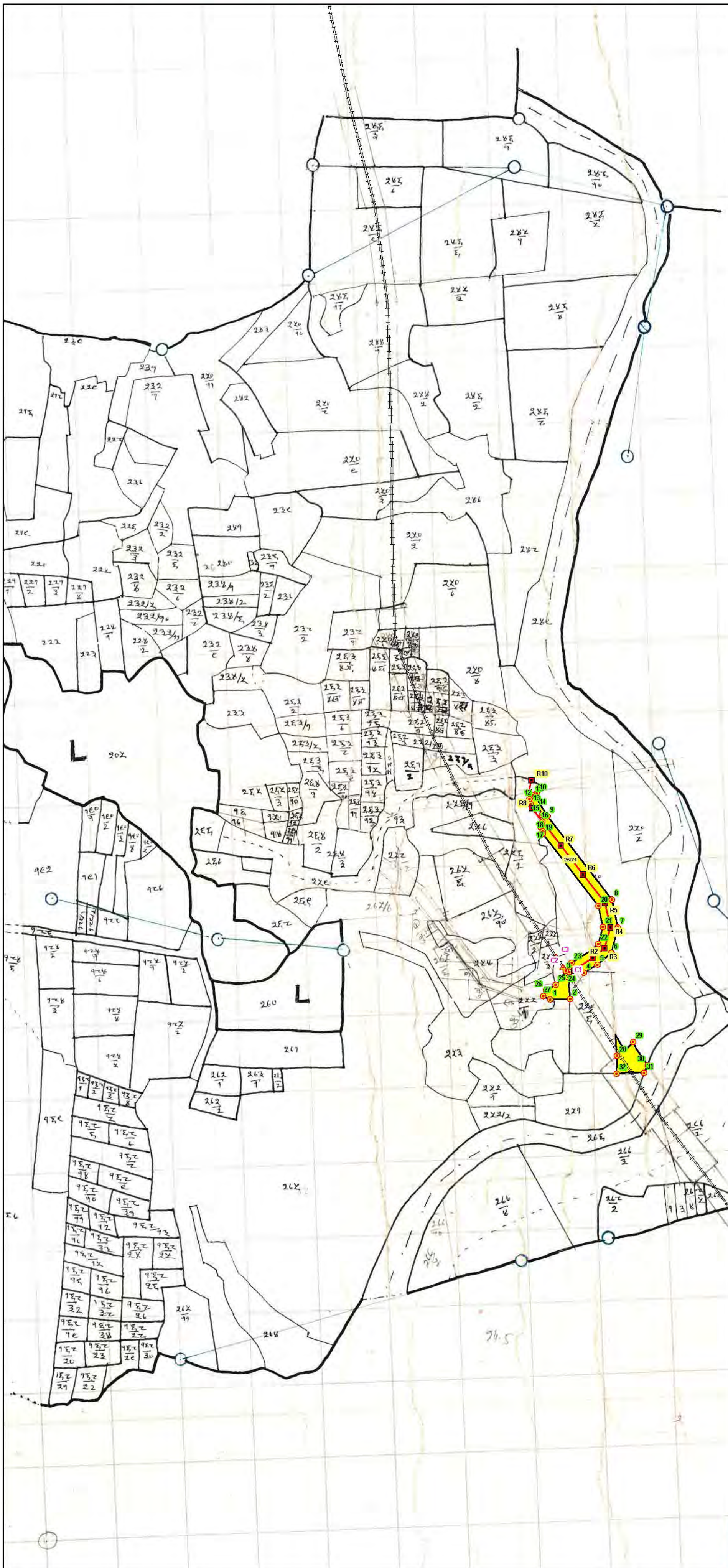
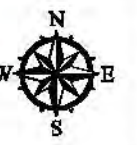
Scale



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# MAP SHOWING MERRY-GO-ROUND (MGR) RAILWAY LINE FOR TALAIPALLI COAL MINING PROJECT AND THEIR COORDINATES, RAIGARH, CHHATTISGARH, REVENUE FOREST OF BARKASPALI VILLAGE



## BOUNDING AREA COORDINATES OF MGR RAILWAY LINE IN REVENUE FOREST, VILLAGE - BARKASPALI

| PILLAR NO | GEOGRAPHICAL COORDINATE |                    | UTM COORDINATE |               |
|-----------|-------------------------|--------------------|----------------|---------------|
|           | LONGITUDE               | LATITUDE           | EASTING        | NORTHING      |
| 1         | 83° 24' 52.59615" E     | 22° 9' 30.56715" N | 749013.29216   | 2452349.68848 |
| 2         | 83° 24' 53.55134" E     | 22° 9' 30.57540" N | 749040.66261   | 2452350.37764 |
| 3         | 83° 24' 53.53815" E     | 22° 9' 31.77658" N | 749039.69682   | 2452387.32764 |
| 4         | 83° 24' 54.24132" E     | 22° 9' 31.73277" N | 749059.87012   | 2452386.30027 |
| 5         | 83° 24' 54.88874" E     | 22° 9' 32.09442" N | 749078.24749   | 2452397.72228 |
| 6         | 83° 24' 55.57990" E     | 22° 9' 32.61260" N | 749097.80151   | 2452413.97983 |
| 7         | 83° 24' 55.90524" E     | 22° 9' 33.73810" N | 749106.57431   | 2452448.75573 |
| 8         | 83° 24' 55.63669" E     | 22° 9' 34.99490" N | 749098.26286   | 2452487.30047 |
| 9         | 83° 24' 52.60987" E     | 22° 9' 38.77189" N | 749009.67022   | 2452602.12496 |
| 10        | 83° 24' 52.10509" E     | 22° 9' 39.80124" N | 748994.70048   | 2452633.56422 |
| 11        | 83° 24' 51.90703" E     | 22° 9' 39.73427" N | 748989.05719   | 2452631.41346 |
| 12        | 83° 24' 51.74750" E     | 22° 9' 39.56065" N | 748984.57029   | 2452625.99900 |
| 13        | 83° 24' 51.80104" E     | 22° 9' 39.33011" N | 748986.21737   | 2452618.93069 |
| 14        | 83° 24' 52.08047" E     | 22° 9' 39.14718" N | 748994.31498   | 2452613.42999 |
| 15        | 83° 24' 52.33617" E     | 22° 9' 38.84721" N | 749001.78964   | 2452604.31738 |
| 16        | 83° 24' 52.36025" E     | 22° 9' 38.54039" N | 749002.62973   | 2452594.88865 |
| 17        | 83° 24' 52.25699" E     | 22° 9' 38.30651" N | 748999.78515   | 2452587.64589 |
| 18        | 83° 24' 52.36639" E     | 22° 9' 38.10498" N | 749003.01882   | 2452581.49540 |
| 19        | 83° 24' 52.36334" E     | 22° 9' 37.99645" N | 749002.98463   | 2452578.15506 |
| 20        | 83° 24' 54.98465" E     | 22° 9' 34.71676" N | 749079.71251   | 2452478.44584 |
| 21        | 83° 24' 55.18639" E     | 22° 9' 33.77083" N | 749085.95710   | 2452449.43512 |
| 22        | 83° 24' 54.94976" E     | 22° 9' 33.01872" N | 749079.54382   | 2452426.18747 |
| 23        | 83° 24' 53.65132" E     | 22° 9' 32.19898" N | 749042.73344   | 2452400.37500 |
| 24        | 83° 24' 53.36765" E     | 22° 9' 31.82519" N | 749034.78674   | 2452388.74554 |
| 25        | 83° 24' 52.87492" E     | 22° 9' 31.21445" N | 749020.96464   | 2452369.73056 |
| 26        | 83° 24' 52.40182" E     | 22° 9' 30.97378" N | 749007.52378   | 2452362.11054 |
| 27        | 83° 24' 52.25343" E     | 22° 9' 30.71799" N | 749003.39627   | 2452354.17303 |
| 28        | 83° 24' 55.76100" E     | 22° 9' 27.99721" N | 749105.25091   | 2452272.06340 |
| 29        | 83° 24' 56.55600" E     | 22° 9' 28.59816" N | 749127.74054   | 2452290.91500 |
| 30        | 83° 24' 57.24196" E     | 22° 9' 27.54527" N | 749147.91506   | 2452258.83420 |
| 31        | 83° 24' 57.05149" E     | 22° 9' 27.20410" N | 749142.62339   | 2452248.25085 |
| 32        | 83° 24' 55.73570" E     | 22° 9' 27.19135" N | 749104.92018   | 2452247.25866 |

## COORDINATES OF ROAD CENTER LINE IN REVENUE FOREST, VILLAGE - BARKASPALI

| PILLAR NO | GEOGRAPHICAL COORDINATE |                     | UTM COORDINATE |               |
|-----------|-------------------------|---------------------|----------------|---------------|
|           | LONGITUDE               | LATITUDE            | EASTING        | NORTHING      |
| R1        | 22° 9' 31.83373" N      | 83° 24' 53.77360" E | 749046.41644   | 2452389.19333 |
| R2        | 22° 9' 32.38947" N      | 83° 24' 54.67070" E | 749071.85440   | 2452406.70032 |
| R3        | 22° 9' 32.82720" N      | 83° 24' 55.25412" E | 749088.35995   | 2452420.43374 |
| R4        | 22° 9' 33.75274" N      | 83° 24' 55.54637" E | 749096.28263   | 2452449.04248 |
| R5        | 22° 9' 34.85964" N      | 83° 24' 55.30985" E | 749088.96250   | 2452482.98993 |
| R6        | 22° 9' 36.15416" N      | 83° 24' 54.27064" E | 749058.54639   | 2452522.34386 |
| R7        | 22° 9' 37.46397" N      | 83° 24' 53.22978" E | 749028.07601   | 2452562.16749 |
| R8        | 22° 9' 39.16313" N      | 83° 24' 51.85719" E | 748987.90820   | 2452613.81894 |
| R9        | 22° 9' 39.86436" N      | 83° 24' 51.71932" E | 748983.61398   | 2452635.33020 |
| R10       | 22° 9' 40.41553" N      | 83° 24' 51.87136" E | 748987.70151   | 2452652.35700 |

## CENTER LINE PILLAR COORDINATE RAILWAY LINE

| PILLAR NO | GEOGRAPHICAL COORDINATE |                    | UTM COORDINATE |               |
|-----------|-------------------------|--------------------|----------------|---------------|
|           | LONGITUDE               | LATITUDE           | EASTING        | NORTHING      |
| C2        | 83° 24' 53.24195" E     | 22° 9' 32.01211" N | 749031.09292   | 2452394.43902 |
| C1        | 83° 24' 53.54183" E     | 22° 9' 31.56618" N | 749039.90529   | 2452380.85604 |
| C3        | 83° 24' 52.91271" E     | 22° 9' 32.48548" N | 749021.42562   | 2452408.85278 |

## BOUNDING AREA OF MGR RAILWAY LINE IN REVENUE FOREST VILLAGE - BARKASPALI

| SL. NO. | KHASRA NO. | CATEGORY               | AREA IN HECTARES |
|---------|------------|------------------------|------------------|
| 1       | 250/1      | CHHOTE JHAAD KE JANGAL | 0.768            |

## Legend

- ▲ Centre Line Pillar of Railway Line
- Revenue Forest Area Boundary Pillar
- Proposed MGR Railway Line
- Road centre Line Under Revenue Forest Area
- MGR Line Under Revenue forest Area

## Scale

1 : 4000

0 40 80 160 240 320 400 Mtr



DGPS Survey Conducted & Map Prepared By  
**छत्तीसगढ़ अंतरिक्ष उपयोग केन्द्र**  
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 Vigyan Bhavan, Vidhan Sabha Road, Daldal Seoni  
 Raipur, (CG) Pin - 492014



MAP SHOWING MERRY-GO-ROUND (MGR) RAILWAY LINE SUPERIMPOSED ON HIGH RESOLUTION SATELLITE IMAGE  
FOR TALAIPALLI COAL MINING PROJECT AND THEIR COORDINATES,  
RAIGARH, CHHATTISGARH, REVENUE FOREST OF BARKASPALI VILLAGE



BOUNDING AREA COORDINATES OF MGR RAILWAY LINE IN REVENUE FOREST, VILLAGE - BARKASPALI

| PILLAR NO | GEOGRAPHICAL COORDINATE |                    | UTM COORDINATE |               |
|-----------|-------------------------|--------------------|----------------|---------------|
|           | LONGITUDE               | LATITUDE           | EASTING        | NORTHING      |
| 1         | 83° 24' 52.59615" E     | 22° 9' 30.56715" N | 749013.29216   | 2452349.68848 |
| 2         | 83° 24' 53.55134" E     | 22° 9' 30.57540" N | 749040.66261   | 2452350.37764 |
| 3         | 83° 24' 53.53815" E     | 22° 9' 31.77658" N | 749039.69682   | 2452387.32764 |
| 4         | 83° 24' 54.24132" E     | 22° 9' 31.73277" N | 749059.87012   | 2452386.30027 |
| 5         | 83° 24' 54.88874" E     | 22° 9' 32.09442" N | 749078.24749   | 2452397.72228 |
| 6         | 83° 24' 55.57990" E     | 22° 9' 32.61260" N | 749097.80151   | 2452413.97983 |
| 7         | 83° 24' 55.90524" E     | 22° 9' 33.73810" N | 749106.57431   | 2452448.75573 |
| 8         | 83° 24' 55.63669" E     | 22° 9' 34.99490" N | 749098.26286   | 2452487.30047 |
| 9         | 83° 24' 52.60987" E     | 22° 9' 38.77189" N | 749009.67022   | 2452602.12496 |
| 10        | 83° 24' 52.10509" E     | 22° 9' 39.80124" N | 748994.70048   | 2452633.56422 |
| 11        | 83° 24' 51.90703" E     | 22° 9' 39.73427" N | 748989.05719   | 2452631.41346 |
| 12        | 83° 24' 51.74750" E     | 22° 9' 39.56065" N | 748984.57029   | 2452625.99900 |
| 13        | 83° 24' 51.80104" E     | 22° 9' 39.33011" N | 748986.21737   | 2452618.93069 |
| 14        | 83° 24' 52.08047" E     | 22° 9' 39.14718" N | 748994.31498   | 2452613.42999 |
| 15        | 83° 24' 52.33617" E     | 22° 9' 38.84721" N | 749001.78964   | 2452604.31738 |
| 16        | 83° 24' 52.36025" E     | 22° 9' 38.54039" N | 749002.62973   | 2452594.88865 |
| 17        | 83° 24' 52.25699" E     | 22° 9' 38.30651" N | 748999.78515   | 2452587.64589 |
| 18        | 83° 24' 52.36639" E     | 22° 9' 38.10498" N | 749003.01882   | 2452581.49540 |
| 19        | 83° 24' 52.36334" E     | 22° 9' 37.99645" N | 749002.98463   | 2452578.15506 |
| 20        | 83° 24' 54.98465" E     | 22° 9' 34.71676" N | 749079.71251   | 2452478.44584 |
| 21        | 83° 24' 55.18639" E     | 22° 9' 33.77083" N | 749085.95710   | 2452449.43512 |
| 22        | 83° 24' 54.94976" E     | 22° 9' 33.01872" N | 749079.54382   | 2452426.18747 |
| 23        | 83° 24' 53.65132" E     | 22° 9' 32.19898" N | 749042.73344   | 2452400.37500 |
| 24        | 83° 24' 53.36765" E     | 22° 9' 31.82519" N | 749034.78674   | 2452388.74554 |
| 25        | 83° 24' 52.87492" E     | 22° 9' 31.21445" N | 749020.96464   | 2452369.73056 |
| 26        | 83° 24' 52.40182" E     | 22° 9' 30.97378" N | 749007.52378   | 2452362.11054 |
| 27        | 83° 24' 52.25343" E     | 22° 9' 30.71799" N | 749003.39627   | 2452354.17303 |
| 28        | 83° 24' 55.76100" E     | 22° 9' 27.99721" N | 749105.25091   | 2452272.06340 |
| 29        | 83° 24' 56.55600" E     | 22° 9' 28.59816" N | 749127.74054   | 2452290.91500 |
| 30        | 83° 24' 57.24196" E     | 22° 9' 27.54527" N | 749147.91506   | 2452258.83420 |
| 31        | 83° 24' 57.05149" E     | 22° 9' 27.20410" N | 749142.62339   | 2452248.25085 |
| 32        | 83° 24' 55.73570" E     | 22° 9' 27.19135" N | 749104.92018   | 2452247.25866 |

COORDINATES OF ROAD CENTER LINE IN REVENUE FOREST, VILLAGE - BARKASPALI

| PILLAR NO | GEOGRAPHICAL COORDINATE |                     | UTM COORDINATE |               |
|-----------|-------------------------|---------------------|----------------|---------------|
|           | LONGITUDE               | LATITUDE            | EASTING        | NORTHING      |
| R1        | 22° 9' 31.83373" N      | 83° 24' 53.77360" E | 749046.41644   | 2452389.19333 |
| R2        | 22° 9' 32.38947" N      | 83° 24' 54.67070" E | 749071.85440   | 2452406.70032 |
| R3        | 22° 9' 32.82720" N      | 83° 24' 55.25412" E | 749088.35995   | 2452420.43374 |
| R4        | 22° 9' 33.75274" N      | 83° 24' 55.54637" E | 749096.28263   | 2452449.04248 |
| R5        | 22° 9' 34.85964" N      | 83° 24' 55.30985" E | 749088.96250   | 2452482.98993 |
| R6        | 22° 9' 36.15416" N      | 83° 24' 54.27064" E | 749058.54639   | 2452522.34386 |
| R7        | 22° 9' 37.46397" N      | 83° 24' 53.22978" E | 749028.07601   | 2452562.16749 |
| R8        | 22° 9' 39.16313" N      | 83° 24' 51.85719" E | 748987.90820   | 2452613.81894 |
| R9        | 22° 9' 39.86436" N      | 83° 24' 51.71932" E | 748983.61398   | 2452635.33020 |
| R10       | 22° 9' 40.41553" N      | 83° 24' 51.87136" E | 748987.70151   | 2452652.35700 |

CENTER LINE PILLAR COORDINATE RAILWAY LINE

| PILLAR NO | GEOGRAPHICAL COORDINATE |                    | UTM COORDINATE |               |
|-----------|-------------------------|--------------------|----------------|---------------|
|           | LONGITUDE               | LATITUDE           | EASTING        | NORTHING      |
| C2        | 83° 24' 53.24195" E     | 22° 9' 32.01211" N | 749031.09292   | 2452394.43902 |
| C1        | 83° 24' 53.54183" E     | 22° 9' 31.56618" N | 749039.90529   | 2452380.85604 |
| C3        | 83° 24' 52.91271" E     | 22° 9' 32.48548" N | 749021.42562   | 2452408.85278 |

BOUNDING AREA OF MGR RAILWAY LINE IN REVENUE FOREST VILLAGE - BARKASPALI

| SL. NO. | KHASRA NO. | CATEGORY               | AREA IN HECTARES |
|---------|------------|------------------------|------------------|
| 1       | 250/1      | CHHOTE JHAAD KE JANGAL | 0.768            |

Legend

- Centre Line Pillar of Railway Line
- Revenue Forest Area Boundary Pillar
- Proposed MGR Railway Line
- Road centre Line Under Revenue Forest Area
- MGR Line Under Revenue forest Area

Scale

1 : 4000

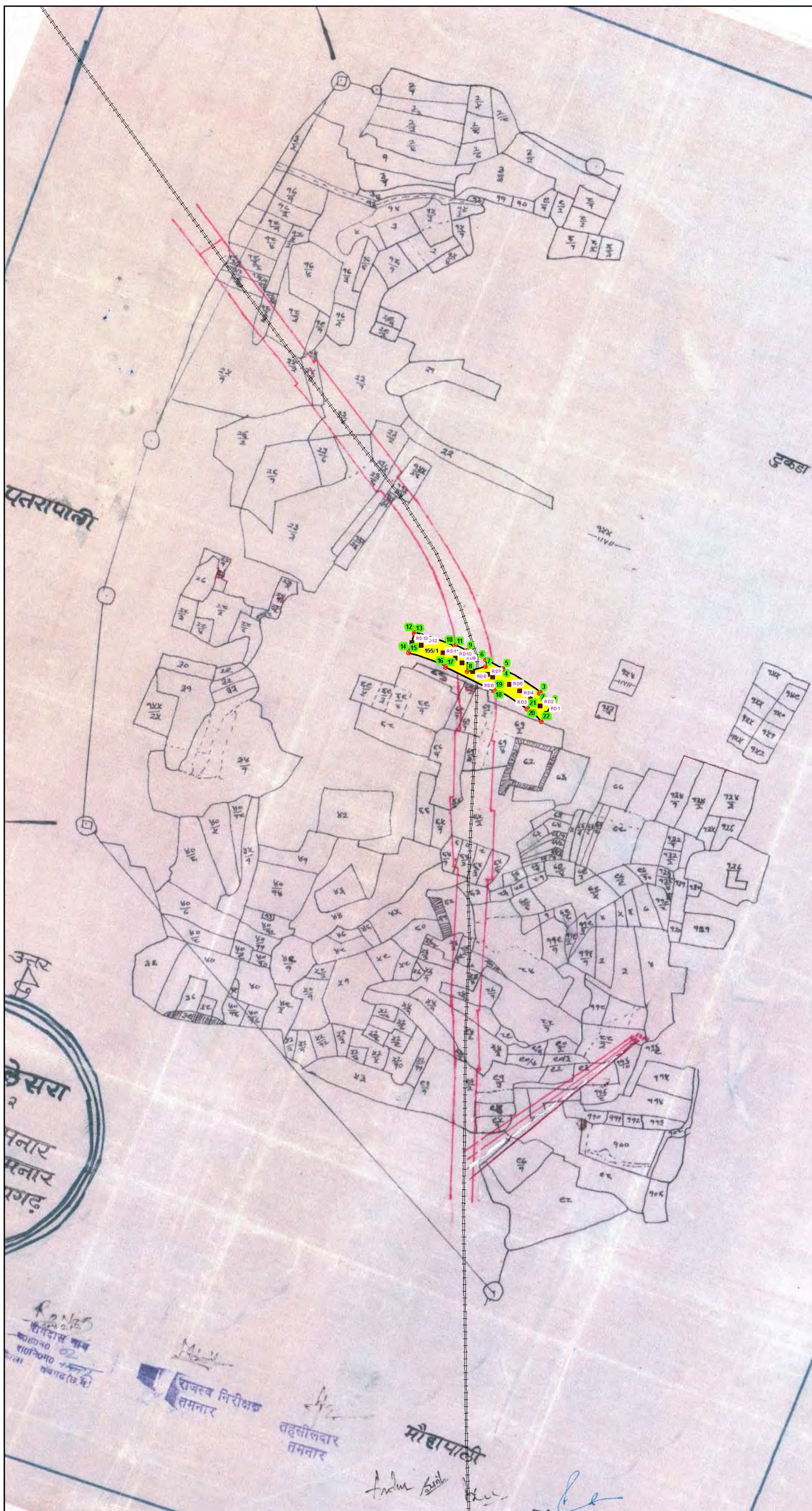
0 40 80 160 240 320 400 Mtr



DGPS Survey Conducted & Map Prepared By  
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# MAP SHOWING MERRY-GO-ROUND (MGR) RAILWAY LINE FOR TALAIPALLI COAL MINING PROJECT AND THEIR COORDINATES, RAIGARH, CHHATTISGARH, REVENUE FOREST OF DOLESARA VILLAGE



| BOUNDING AREA COORDINATES OF MGR RAILWAY LINE IN REVENUE FOREST, VILLAGE - DOLESARA |                         |                    |                |               |
|-------------------------------------------------------------------------------------|-------------------------|--------------------|----------------|---------------|
| PILLAR NO                                                                           | GEOGRAPHICAL COORDINATE |                    | UTM COORDINATE |               |
|                                                                                     | LONGITUDE               | LATITUDE           | EASTING        | NORTHING      |
| 1                                                                                   | 83° 25' 17.94976" E     | 22° 8' 56.35029" N | 749756.68656   | 2451308.52944 |
| 2                                                                                   | 83° 25' 17.35075" E     | 22° 8' 56.89238" N | 749739.25263   | 2451324.93389 |
| 3                                                                                   | 83° 25' 17.39079" E     | 22° 8' 56.94452" N | 749740.37449   | 2451326.55642 |
| 4                                                                                   | 83° 25' 15.50311" E     | 22° 8' 58.04501" N | 749685.73240   | 2451359.55204 |
| 5                                                                                   | 83° 25' 15.52924" E     | 22° 8' 58.09999" N | 749686.45435   | 2451361.25564 |
| 6                                                                                   | 83° 25' 14.63294" E     | 22° 8' 58.53222" N | 749660.55392   | 2451374.14413 |
| 7                                                                                   | 83° 25' 14.63007" E     | 22° 8' 58.19856" N | 749660.63524   | 2451363.87749 |
| 8                                                                                   | 83° 25' 13.68544" E     | 22° 8' 57.97757" N | 749633.66960   | 2451356.64666 |
| 9                                                                                   | 83° 25' 13.68395" E     | 22° 8' 58.98369" N | 749633.13377   | 2451387.60085 |
| 10                                                                                  | 83° 25' 13.10438" E     | 22° 8' 59.24498" N | 749616.39461   | 2451395.37523 |
| 11                                                                                  | 83° 25' 13.07578" E     | 22° 8' 59.18982" N | 749615.60192   | 2451393.66498 |
| 12                                                                                  | 83° 25' 11.05095" E     | 22° 8' 59.87696" N | 749557.23235   | 2451413.88116 |
| 13                                                                                  | 83° 25' 11.02166" E     | 22° 8' 59.81745" N | 749556.42193   | 2451412.03689 |
| 14                                                                                  | 83° 25' 10.73279" E     | 22° 8' 58.96419" N | 749548.56097   | 2451385.65309 |
| 15                                                                                  | 83° 25' 10.71624" E     | 22° 8' 58.90189" N | 749548.11710   | 2451383.72884 |
| 16                                                                                  | 83° 25' 12.61022" E     | 22° 8' 58.25835" N | 749602.71555   | 2451364.79426 |
| 17                                                                                  | 83° 25' 12.58913" E     | 22° 8' 58.19586" N | 749602.14153   | 2451362.86217 |
| 18                                                                                  | 83° 25' 15.01511" E     | 22° 8' 57.05040" N | 749672.23368   | 2451328.72838 |
| 19                                                                                  | 83° 25' 15.04045" E     | 22° 8' 57.10214" N | 749672.93470   | 2451330.33184 |
| 20                                                                                  | 83° 25' 16.69466" E     | 22° 8' 56.15240" N | 749720.81148   | 2451301.86759 |
| 21                                                                                  | 83° 25' 16.74561" E     | 22° 8' 56.19755" N | 749722.24952   | 2451303.27987 |
| 22                                                                                  | 83° 25' 17.43018" E     | 22° 8' 55.54862" N | 749742.18817   | 2451283.62752 |

| ROAD CENTER LINE COORDINATE UNDER REVENUE FOREST AREA OF DOLESARA VILLAGE |                         |                    |                |               |
|---------------------------------------------------------------------------|-------------------------|--------------------|----------------|---------------|
| PILLAR NO                                                                 | GEOGRAPHICAL COORDINATE |                    | UTM COORDINATE |               |
|                                                                           | LONGITUDE               | LATITUDE           | EASTING        | NORTHING      |
| RD1                                                                       | 83° 25' 17.68691" E     | 22° 8' 55.94626" N | 749749.35116   | 2451295.97874 |
| RD2                                                                       | 83° 25' 17.37341" E     | 22° 8' 56.29627" N | 749740.19435   | 2451306.60405 |
| RD3                                                                       | 83° 25' 16.89725" E     | 22° 8' 56.65941" N | 749726.36920   | 2451317.55886 |
| RD4                                                                       | 83° 25' 16.34556" E     | 22° 8' 57.01589" N | 749710.38255   | 2451328.27461 |
| RD5                                                                       | 83° 25' 15.81479" E     | 22° 8' 57.34454" N | 749695.00894   | 2451338.14342 |
| RD6                                                                       | 83° 25' 14.98150" E     | 22° 8' 57.69876" N | 749670.95242   | 2451348.66075 |
| RD7                                                                       | 83° 25' 14.73019" E     | 22° 8' 57.83361" N | 749663.68365   | 2451352.69495 |
| RD8                                                                       | 83° 25' 13.96791" E     | 22° 8' 57.97485" N | 749641.76690   | 2451356.69200 |
| RD9                                                                       | 83° 25' 13.43557" E     | 22° 8' 58.40892" N | 749626.29683   | 2451369.80383 |
| RD10                                                                      | 83° 25' 13.09630" E     | 22° 8' 58.61407" N | 749616.47241   | 2451375.96046 |
| RD11                                                                      | 83° 25' 12.46109" E     | 22° 8' 58.88479" N | 749598.13424   | 2451383.99955 |
| RD12                                                                      | 83° 25' 11.36726" E     | 22° 8' 59.26279" N | 749566.59900   | 2451395.12985 |
| RD13                                                                      | 83° 25' 10.90319" E     | 22° 8' 59.38359" N | 749553.23908   | 2451398.63439 |

| BOUNDING AREA OF MGR RAILWAY LINE IN REVENUE FOREST VILLAGE - BARKASPALI |            |                        |                  |
|--------------------------------------------------------------------------|------------|------------------------|------------------|
| SL. NO.                                                                  | KHASRA NO. | CATEGORY               | AREA IN HECTARES |
| 1                                                                        | 155/1      | CHHOTI JHAAD KE JANGAL | 0.672            |

## Legend

- Road Centre Line pillars
- Revenue Forest Area Boundary Pillar
- Proposed MGR Railway Line
- MGR Line Under Revenue forest Area

## Scale

1 : 4000

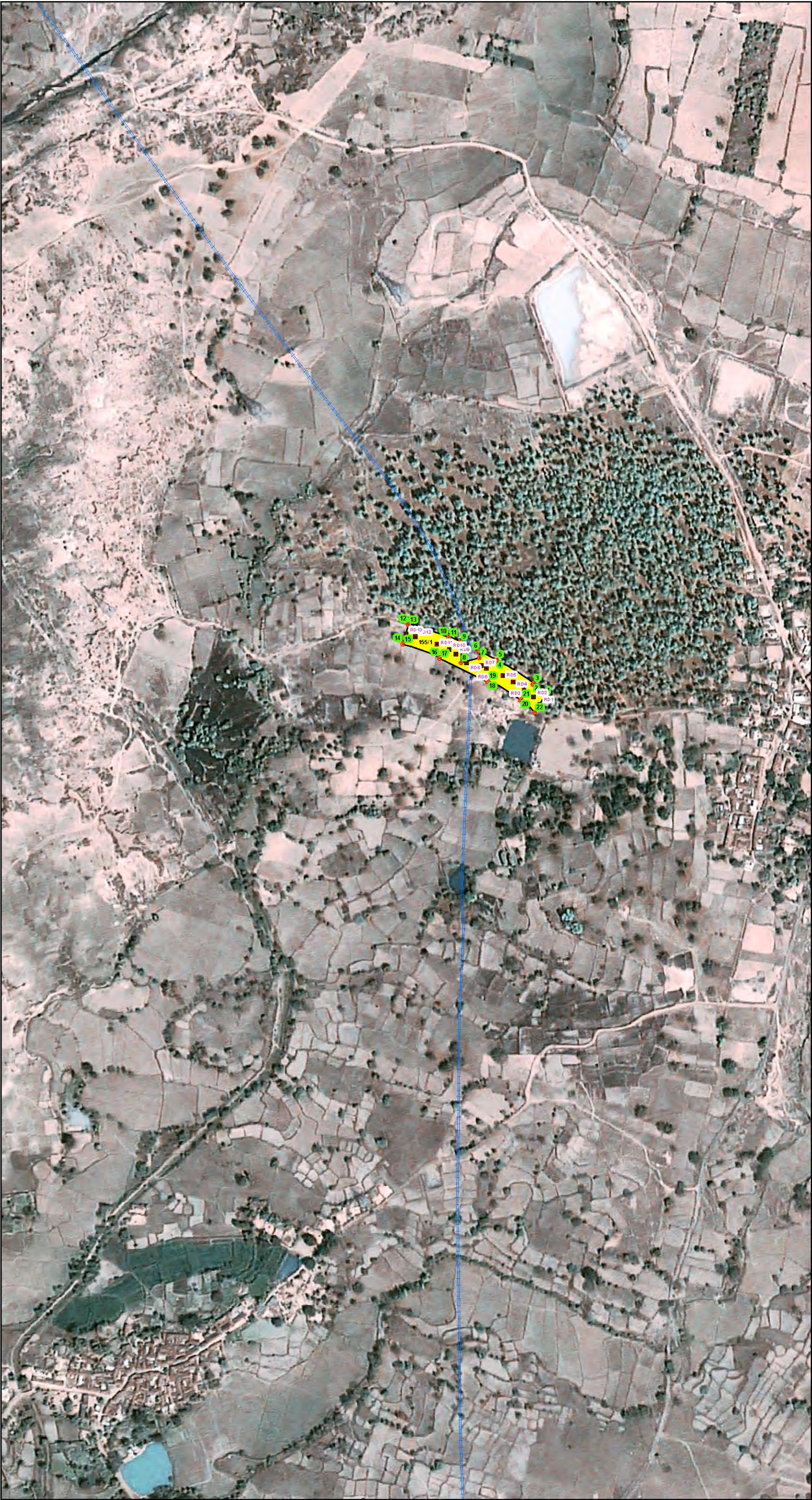
0 20 40 80 120 160 200 Mtr



DGPS Survey Conducted & Map Prepared By  
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MAP SHOWING MERRY-GO-ROUND (MGR) RAILWAY LINE SUPERIMPOSED ON HIGH RESOLUTION SATELLITE IMAGE  
FOR TALAIPALLI COAL MINING PROJECT AND THEIR COORDINATES,  
RAIGARH, CHHATTISGARH, REVENUE FOREST OF DOLESARA VILLAGE



| BOUNDING AREA COORDINATES OF MGR RAILWAY LINE IN REVENUE FOREST, VILLAGE - DOLESARA |                         |                    |                |               |
|-------------------------------------------------------------------------------------|-------------------------|--------------------|----------------|---------------|
| PILLAR NO                                                                           | GEOGRAPHICAL COORDINATE |                    | UTM COORDINATE |               |
|                                                                                     | LONGITUDE               | LATITUDE           | EASTING        | NORTHING      |
| 1                                                                                   | 83° 25' 17.94976" E     | 22° 8' 56.35029" N | 749756.68656   | 2451308.52944 |
| 2                                                                                   | 83° 25' 17.35075" E     | 22° 8' 56.89238" N | 749739.25263   | 2451324.93389 |
| 3                                                                                   | 83° 25' 17.39079" E     | 22° 8' 56.94452" N | 749740.37449   | 2451326.55642 |
| 4                                                                                   | 83° 25' 15.50311" E     | 22° 8' 58.04501" N | 749685.73240   | 2451359.55204 |
| 5                                                                                   | 83° 25' 15.52924" E     | 22° 8' 58.09999" N | 749686.45435   | 2451361.25564 |
| 6                                                                                   | 83° 25' 14.63294" E     | 22° 8' 58.53222" N | 749660.55392   | 2451374.14413 |
| 7                                                                                   | 83° 25' 14.63007" E     | 22° 8' 58.19856" N | 749660.63524   | 2451363.87749 |
| 8                                                                                   | 83° 25' 13.68544" E     | 22° 8' 57.97757" N | 749633.66960   | 2451356.64666 |
| 9                                                                                   | 83° 25' 13.68395" E     | 22° 8' 58.98369" N | 749633.13377   | 2451387.60085 |
| 10                                                                                  | 83° 25' 13.10438" E     | 22° 8' 59.24498" N | 749616.39461   | 2451395.37523 |
| 11                                                                                  | 83° 25' 13.07578" E     | 22° 8' 59.18982" N | 749615.60192   | 2451393.66498 |
| 12                                                                                  | 83° 25' 11.05095" E     | 22° 8' 59.87696" N | 749557.23235   | 2451413.88116 |
| 13                                                                                  | 83° 25' 11.02166" E     | 22° 8' 59.81745" N | 749556.42193   | 2451412.03689 |
| 14                                                                                  | 83° 25' 10.73279" E     | 22° 8' 58.96419" N | 749548.56097   | 2451385.65309 |
| 15                                                                                  | 83° 25' 10.71624" E     | 22° 8' 58.90189" N | 749548.11710   | 2451383.72884 |
| 16                                                                                  | 83° 25' 12.61022" E     | 22° 8' 58.25835" N | 749602.71555   | 2451364.79426 |
| 17                                                                                  | 83° 25' 12.58913" E     | 22° 8' 58.19586" N | 749602.14153   | 2451362.86217 |
| 18                                                                                  | 83° 25' 15.01511" E     | 22° 8' 57.05040" N | 749672.23368   | 2451328.72838 |
| 19                                                                                  | 83° 25' 15.04045" E     | 22° 8' 57.10214" N | 749672.93470   | 2451330.33184 |
| 20                                                                                  | 83° 25' 16.69466" E     | 22° 8' 56.15240" N | 749720.81148   | 2451301.86759 |
| 21                                                                                  | 83° 25' 16.74561" E     | 22° 8' 56.19755" N | 749722.24952   | 2451303.27987 |
| 22                                                                                  | 83° 25' 17.43018" E     | 22° 8' 55.54862" N | 749742.18817   | 2451283.62752 |

| ROAD CENTER LINE COORDINATE UNDER REVENUE FOREST AREA OF DOLESARA VILLAGE |                         |                    |                |               |
|---------------------------------------------------------------------------|-------------------------|--------------------|----------------|---------------|
| PILLAR NO                                                                 | GEOGRAPHICAL COORDINATE |                    | UTM COORDINATE |               |
|                                                                           | LONGITUDE               | LATITUDE           | EASTING        | NORTHING      |
| RD1                                                                       | 83° 25' 17.68691" E     | 22° 8' 55.94626" N | 749749.35116   | 2451295.97874 |
| RD2                                                                       | 83° 25' 17.37341" E     | 22° 8' 56.29627" N | 749740.19435   | 2451306.60405 |
| RD3                                                                       | 83° 25' 16.89725" E     | 22° 8' 56.65941" N | 749726.36920   | 2451317.55886 |
| RD4                                                                       | 83° 25' 16.34556" E     | 22° 8' 57.01589" N | 749710.38255   | 2451328.27461 |
| RD5                                                                       | 83° 25' 15.81479" E     | 22° 8' 57.34454" N | 749695.00894   | 2451338.14342 |
| RD6                                                                       | 83° 25' 14.98150" E     | 22° 8' 57.69876" N | 749670.95242   | 2451348.66075 |
| RD7                                                                       | 83° 25' 14.73019" E     | 22° 8' 57.83361" N | 749663.68365   | 2451352.69495 |
| RD8                                                                       | 83° 25' 13.96791" E     | 22° 8' 57.97485" N | 749641.76690   | 2451356.69200 |
| RD9                                                                       | 83° 25' 13.43557" E     | 22° 8' 58.40892" N | 749626.29683   | 2451369.80383 |
| RD10                                                                      | 83° 25' 13.09630" E     | 22° 8' 58.61407" N | 749616.47241   | 2451375.96046 |
| RD11                                                                      | 83° 25' 12.46109" E     | 22° 8' 58.88479" N | 749598.13424   | 2451383.99955 |
| RD12                                                                      | 83° 25' 11.36726" E     | 22° 8' 59.26279" N | 749566.59900   | 2451395.12985 |
| RD13                                                                      | 83° 25' 10.90319" E     | 22° 8' 59.38359" N | 749553.23908   | 2451398.63439 |

| BOUNDING AREA OF MGR RAILWAY LINE IN REVENUE FOREST VILLAGE - BARKASPAU |            |                        |                  |
|-------------------------------------------------------------------------|------------|------------------------|------------------|
| SL. NO.                                                                 | KHASRA NO. | CATEGORY               | AREA IN HECTARES |
| 1                                                                       | 155/1      | CHHOTE JHAAD KE JANGAL | 0.672            |

### Legend

- Road Centre Line pillars
- Revenue Forest Area Boundary Pillar
- Proposed MGR Railway Line
- MGR Line Under Revenue forest Area

### Scale

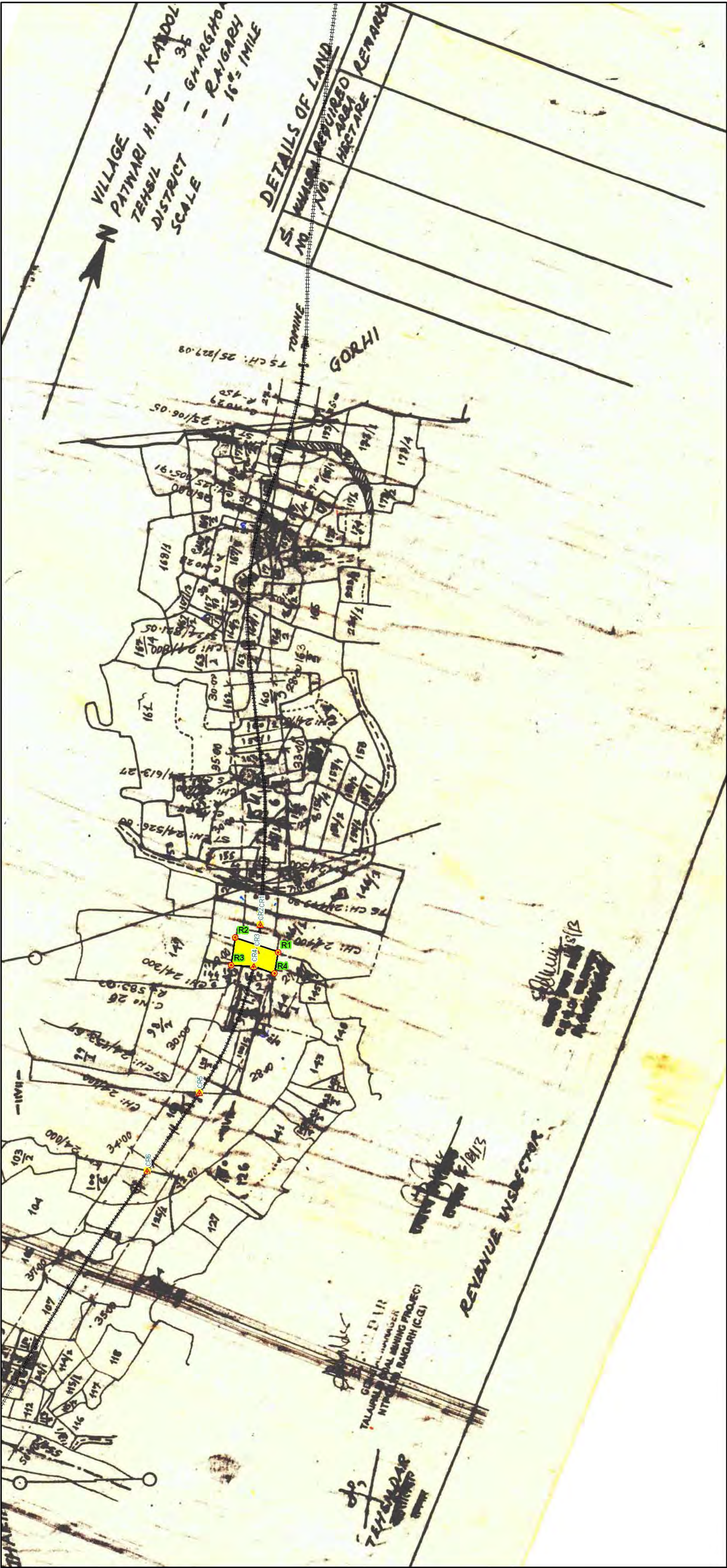
1 : 4000

0 20 40 80 120 160 200 Mtr

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MAP SHOWING MERRY-GO-ROUND (MGR) RAILWAY LINE FOR TALAIPALLI COAL MINING PROJECT AND THEIR COORDINATES, RAIGARH, CHHATTISGARH, REVENUE FOREST OF KASDOL VILLAGE



| BOUNDING AREA COORDINATES OF MGR RAILWAY LINE IN REVENUE FOREST, VILLAGE - KASDOL |                         |                    |                |               |
|-----------------------------------------------------------------------------------|-------------------------|--------------------|----------------|---------------|
| PILLAR NO                                                                         | GEOGRAPHICAL COORDINATE |                    | UTM COORDINATE |               |
|                                                                                   | LONGITUDE               | LATITUDE           | EASTING        | NORTHING      |
| R1                                                                                | 83° 25' 2.18610" E      | 22° 3' 56.41871" N | 749451.49092   | 2442073.55826 |
| R2                                                                                | 83° 25' 0.12018" E      | 22° 3' 57.11315" N | 749391.90663   | 2442093.98414 |
| R3                                                                                | 83° 24' 59.89597" E     | 22° 3' 55.86433" N | 749386.08579   | 2442055.46073 |
| R4                                                                                | 83° 25' 1.98910" E      | 22° 3' 55.46876" N | 749446.30507   | 2442044.24237 |

| CENTER LINE PILLAR COORDINATE OF RAILWAY LINE |                         |                    |                |               |
|-----------------------------------------------|-------------------------|--------------------|----------------|---------------|
| PILLAR NO                                     | GEOGRAPHICAL COORDINATE |                    | UTM COORDINATE |               |
|                                               | LONGITUDE               | LATITUDE           | EASTING        | NORTHING      |
| CR1                                           | 83° 25' 1.39415" E      | 22° 3' 58.25481" N | 749427.88401   | 2442129.68780 |
| CR2                                           | 83° 25' 1.35098" E      | 22° 3' 57.68645" N | 749426.92330   | 2442112.18200 |
| CR3                                           | 83° 25' 1.13817" E      | 22° 3' 56.51020" N | 749421.39414   | 2442075.89659 |
| CR4                                           | 83° 25' 0.99965" E      | 22° 3' 55.80447" N | 749417.76615   | 2442054.12109 |
| CR5                                           | 83° 24' 58.26233" E     | 22° 3' 50.13586" N | 749342.03058   | 2441878.47516 |
| CR6                                           | 83° 24' 55.68406" E     | 22° 3' 46.63420" N | 749269.79798   | 2441769.57098 |

| BOUNDING AREA OF MGR RAILWAY LINE IN REVENUE FOREST VILLAGE - KASDOL |            |                        |                  |
|----------------------------------------------------------------------|------------|------------------------|------------------|
| SL. NO.                                                              | KHASRA NO. | CATEGORY               | AREA IN HECTARES |
| 1                                                                    | 144/1      | CHHOTE JHAAD KE JANGAL | 0.200            |

| Legend |                                     |
|--------|-------------------------------------|
|        | Centre Line Pillar of Railway Line  |
|        | Revenue Forest Area Boundary Pillar |
|        | Proposed MGR Railway Line           |
|        | MGR Line Under Revenue forest Area  |

| Scale    |  |
|----------|--|
| 1 ; 4000 |  |
|          |  |



DGPS Survey Conducted & Map Prepared By

**छत्तीसगढ़ अंतरिक्ष उपयोग केन्द्र**

Chhattisgarh Council of Science & Technology

Vigyan Bhavan, Vidhan Sabha Road, Daldal Seoni

Raipur, (CG) Pin - 492014



MAP SHOWING MERRY-GO-ROUND (MGR) RAILWAY LINE SUPERIMPOSED ON HIGH RESOLUTION SATELLITE IMAGE  
FOR TALAIPALLI COAL MINING PROJECT AND THEIR COORDINATES, RAIGARH, CHHATTISGARH, REVENUE FOREST OF KASDOL VILLAGE



| Bounding Area Coordinates of MGR Railway Line in Revenue Forest, Village - Kasdol |                         |                    |                |               |
|-----------------------------------------------------------------------------------|-------------------------|--------------------|----------------|---------------|
| Pillar No                                                                         | Geographical Coordinate |                    | UTM Coordinate |               |
|                                                                                   | Longitude               | Latitude           | Easting        | Northing      |
| R1                                                                                | 83° 25' 2.18610" E      | 22° 3' 56.41871" N | 749451.49092   | 2442073.55826 |
| R2                                                                                | 83° 25' 0.12018" E      | 22° 3' 57.11315" N | 749391.90663   | 2442093.98414 |
| R3                                                                                | 83° 24' 59.89597" E     | 22° 3' 55.86433" N | 749386.08579   | 2442055.46073 |
| R4                                                                                | 83° 25' 1.98910" E      | 22° 3' 55.46876" N | 749446.30507   | 2442044.24237 |

| Center Line Pillar Coordinate of Railway Line |                         |                    |                |               |
|-----------------------------------------------|-------------------------|--------------------|----------------|---------------|
| Pillar No                                     | Geographical Coordinate |                    | UTM Coordinate |               |
|                                               | Longitude               | Latitude           | Easting        | Northing      |
| CR1                                           | 83° 25' 1.39415" E      | 22° 3' 58.25481" N | 749427.88401   | 2442129.68780 |
| CR2                                           | 83° 25' 1.35098" E      | 22° 3' 57.68645" N | 749426.92330   | 2442112.18200 |
| CR3                                           | 83° 25' 1.13817" E      | 22° 3' 56.51020" N | 749421.39414   | 2442075.89659 |
| CR4                                           | 83° 25' 0.99965" E      | 22° 3' 55.80447" N | 749417.76615   | 2442054.12109 |
| CR5                                           | 83° 24' 58.26233" E     | 22° 3' 50.13586" N | 749342.03058   | 2441878.47516 |
| CR6                                           | 83° 24' 55.68406" E     | 22° 3' 46.63420" N | 749269.79798   | 2441769.57098 |

| Bounding Area of MGR Railway Line in Revenue Forest Village - Kasdol |            |                        |                  |
|----------------------------------------------------------------------|------------|------------------------|------------------|
| Sl. No.                                                              | Khasra No. | Category               | Area in Hectares |
| 1                                                                    | 144/1      | CHHOTE JHAAD KE JANGAL | 0.200            |

**Legend**

Centre Line Pillar of Railway Line

Revenue Forest Area Boundary Pillar

Proposed MGR Railway Line

MGR Line Under Revenue forest Area

**Scale**

1 ; 4000

0

40

80

160

240

320

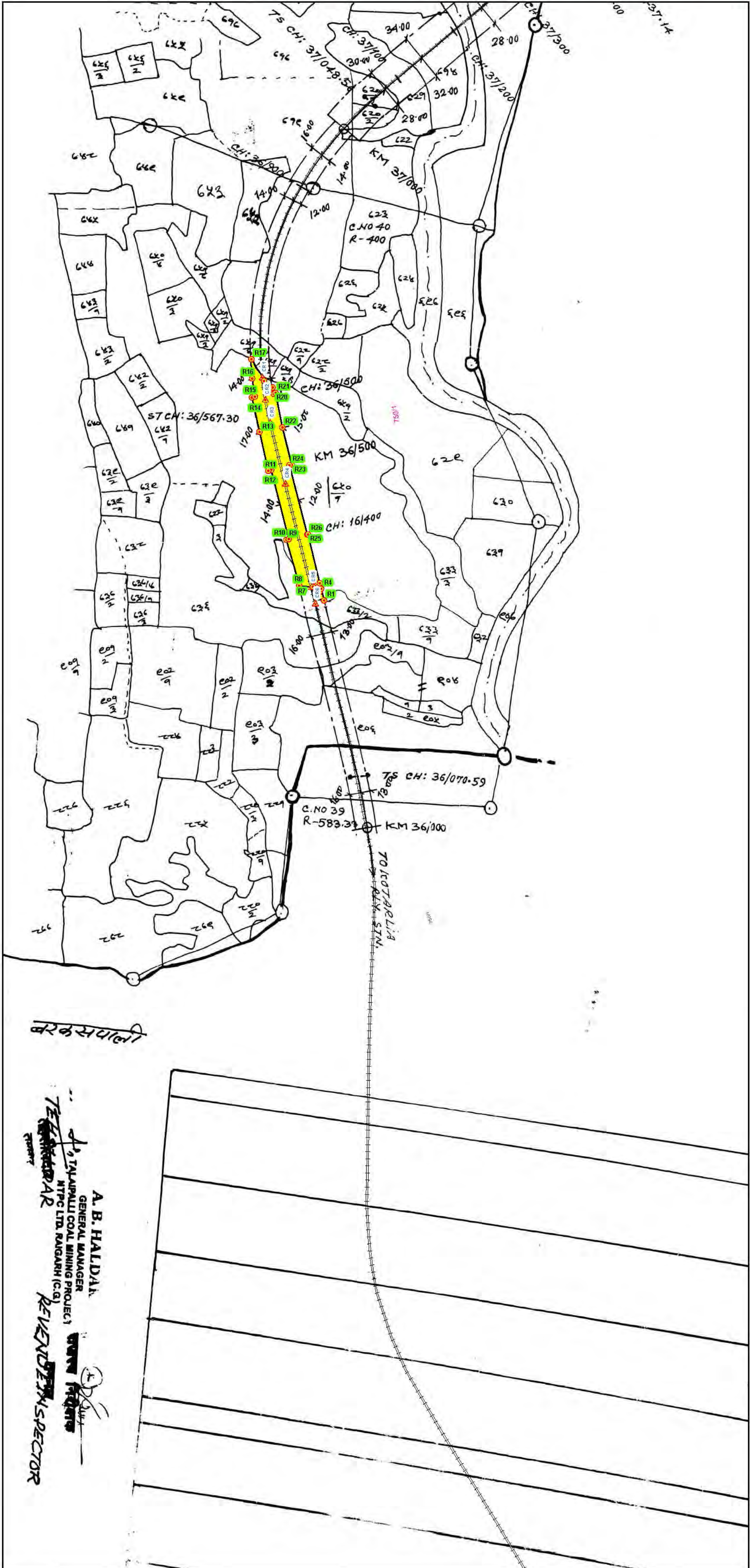
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Chhattisgarh Council of Science & Technology  
Vigyan Bhavan, Vidhan Sabha Road, Daldal Seoni  
Raipur, (CG) Pin - 492014



MAP SHOWING MERRY-GO-ROUND (MGR) RAILWAY LINE FOR TALAIPALLI COAL MINING PROJECT AND THEIR COORDINATES, RAIGARH, CHHATTISGARH, REVENUE FOREST OF BANAI VILLAGE



| BOUNDING AREA COORDINATES OF MGR RAILWAY LINE IN REVENUE FOREST, VILLAGE - BANAI |                         |                     |                |               |
|----------------------------------------------------------------------------------|-------------------------|---------------------|----------------|---------------|
| PILLAR NO                                                                        | GEOGRAPHICAL COORDINATE |                     | UTM COORDINATE |               |
|                                                                                  | LONGITUDE               | LATITUDE            | EASTING        | NORTHING      |
| R1                                                                               | 83° 24' 43.65750" E     | 22° 10' 16.86751" N | 748734.48220   | 2453770.10956 |
| R2                                                                               | 83° 24' 43.30117" E     | 22° 10' 17.02502" N | 748724.19426   | 2453774.79349 |
| R3                                                                               | 83° 24' 43.45079" E     | 22° 10' 17.23752" N | 748728.37776   | 2453781.39940 |
| R4                                                                               | 83° 24' 43.52930" E     | 22° 10' 17.39336" N | 748730.55137   | 2453786.22989 |
| R5                                                                               | 83° 24' 43.46714" E     | 22° 10' 17.64833" N | 748728.64546   | 2453794.04604 |
| R6                                                                               | 83° 24' 43.22431" E     | 22° 10' 17.67375" N | 748721.67432   | 2453794.71760 |
| R7                                                                               | 83° 24' 43.13249" E     | 22° 10' 17.49016" N | 748719.13296   | 2453789.02712 |
| R8                                                                               | 83° 24' 42.48484" E     | 22° 10' 17.54648" N | 748700.54620   | 2453790.46501 |
| R9                                                                               | 83° 24' 41.89687" E     | 22° 10' 19.60529" N | 748682.69065   | 2453853.53924 |
| R10                                                                              | 83° 24' 42.01776" E     | 22° 10' 19.63092" N | 748686.14220   | 2453854.38290 |
| R11                                                                              | 83° 24' 41.08558" E     | 22° 10' 22.69322" N | 748657.93222   | 2453948.17427 |
| R12                                                                              | 83° 24' 41.22830" E     | 22° 10' 22.73839" N | 748662.00003   | 2453949.62902 |
| R13                                                                              | 83° 24' 40.70065" E     | 22° 10' 24.44365" N | 748646.04584   | 2454001.85332 |
| R14                                                                              | 83° 24' 40.36327" E     | 22° 10' 25.97785" N | 748635.62780   | 2454048.90135 |
| R15                                                                              | 83° 24' 40.50115" E     | 22° 10' 26.02016" N | 748639.55830   | 2454050.26590 |
| R16                                                                              | 83° 24' 40.38831" E     | 22° 10' 26.82824" N | 748635.92970   | 2454075.07620 |
| R17                                                                              | 83° 24' 40.36760" E     | 22° 10' 27.69258" N | 748634.91342   | 2454101.65937 |
| R18                                                                              | 83° 24' 40.95188" E     | 22° 10' 26.70520" N | 748652.13916   | 2454071.54749 |
| R19                                                                              | 83° 24' 41.36115" E     | 22° 10' 26.41297" N | 748664.01009   | 2454062.74302 |
| R20                                                                              | 83° 24' 41.40079" E     | 22° 10' 26.12914" N | 748665.28460   | 2454054.02850 |
| R21                                                                              | 83° 24' 41.50086" E     | 22° 10' 26.16427" N | 748668.13510   | 2454055.15500 |
| R22                                                                              | 83° 24' 41.79510" E     | 22° 10' 24.62462" N | 748677.31980   | 2454007.91960 |
| R23                                                                              | 83° 24' 42.21335" E     | 22° 10' 22.95400" N | 748690.12190   | 2453956.71100 |
| R24                                                                              | 83° 24' 42.11110" E     | 22° 10' 22.93310" N | 748687.20200   | 2453956.02140 |
| R25                                                                              | 83° 24' 42.90058" E     | 22° 10' 19.82549" N | 748711.34520   | 2453860.77120 |
| R26                                                                              | 83° 24' 42.93547" E     | 22° 10' 19.82924" N | 748712.34300   | 2453860.90250 |

| CENTER LINE PILLAR COORDINATES OF RAILWAY LINE |                         |                     |                |               |
|------------------------------------------------|-------------------------|---------------------|----------------|---------------|
| PILLAR NO                                      | GEOGRAPHICAL COORDINATE |                     | UTM COORDINATE |               |
|                                                | LONGITUDE               | LATITUDE            | EASTING        | NORTHING      |
| CR1                                            | 83° 24' 40.86665" E     | 22° 10' 26.88936" N | 748649.60690   | 2454077.17400 |
| CR2                                            | 83° 24' 40.98476" E     | 22° 10' 25.89559" N | 748653.47730   | 2454046.65400 |
| CR3                                            | 83° 24' 41.19811" E     | 22° 10' 24.87121" N | 748660.09190   | 2454015.23400 |
| CR4                                            | 83° 24' 41.87845" E     | 22° 10' 22.13071" N | 748680.92790   | 2453931.22900 |
| CR5                                            | 83° 24' 43.04856" E     | 22° 10' 17.48627" N | 748716.72970   | 2453788.86900 |
| CR6                                            | 83° 24' 43.23263" E     | 22° 10' 16.75566" N | 748722.36180   | 2453766.47500 |

| BOUNDING AREA OF MGR RAILWAY LINE IN REVENUE FOREST VILLAGE - BANAI |            |                      |                  |
|---------------------------------------------------------------------|------------|----------------------|------------------|
| SL. NO.                                                             | KHASRA NO. | CATEGORY             | AREA IN HECTARES |
| 1                                                                   | 750/1      | BADE JHAAD KE JANGAL | 0.865            |

**Legend**

Centre Line Pillar of Railway Line

Revenue Forest Area Boundary Pillar

Proposed MGR Railway Line

MGR Line Under Revenue forest Area

**Scale**

1 : 4000

0

30

60

120

180

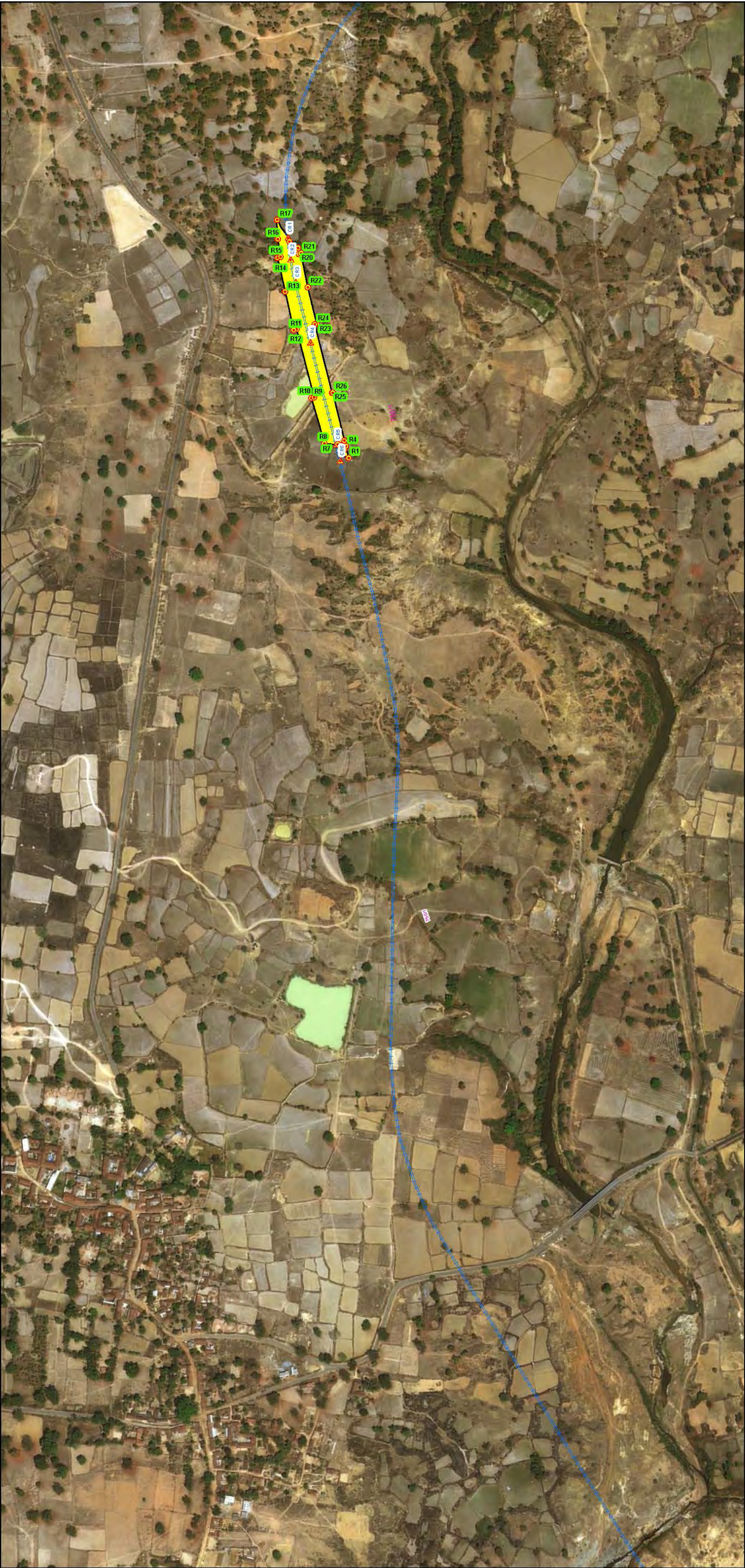
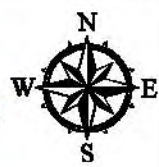
240

300 Mtr

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MAP SHOWING MERRY-GO-ROUND (MGR) RAILWAY LINE SUPERIMPOSED ON HIGH RESOLUTION SATELLITE IMAGE FOR TALAIPALLI COAL MINING PROJECT AND THEIR COORDINATES, RAIGARH, CHHATTISGARH, REVENUE FOREST OF BANAI VILLAGE



| Bounding Area Coordinates of MGR Railway Line in Revenue Forest, Village - Banai |                         |                     |                |               |
|----------------------------------------------------------------------------------|-------------------------|---------------------|----------------|---------------|
| Pillar No                                                                        | Geographical Coordinate |                     | UTM Coordinate |               |
|                                                                                  | Longitude               | Latitude            | Easting        | Northing      |
| R1                                                                               | 83° 24' 43.65750" E     | 22° 10' 16.86751" N | 748734.48220   | 2453770.10956 |
| R2                                                                               | 83° 24' 43.30117" E     | 22° 10' 17.02502" N | 748724.19426   | 2453774.79349 |
| R3                                                                               | 83° 24' 43.45079" E     | 22° 10' 17.23752" N | 748728.37776   | 2453781.39940 |
| R4                                                                               | 83° 24' 43.52930" E     | 22° 10' 17.39336" N | 748730.55137   | 2453786.22989 |
| R5                                                                               | 83° 24' 43.46714" E     | 22° 10' 17.64833" N | 748728.64546   | 2453794.04604 |
| R6                                                                               | 83° 24' 43.22431" E     | 22° 10' 17.67375" N | 748721.67432   | 2453794.71760 |
| R7                                                                               | 83° 24' 43.13249" E     | 22° 10' 17.49016" N | 748719.13296   | 2453789.02712 |
| R8                                                                               | 83° 24' 42.48484" E     | 22° 10' 17.54648" N | 748700.54620   | 2453790.46501 |
| R9                                                                               | 83° 24' 41.89687" E     | 22° 10' 19.60529" N | 748682.69065   | 2453853.53924 |
| R10                                                                              | 83° 24' 42.01776" E     | 22° 10' 19.63092" N | 748686.14220   | 2453854.38290 |
| R11                                                                              | 83° 24' 41.08558" E     | 22° 10' 22.69322" N | 748657.93222   | 2453948.17427 |
| R12                                                                              | 83° 24' 41.22830" E     | 22° 10' 22.73839" N | 748662.00003   | 2453949.62902 |
| R13                                                                              | 83° 24' 40.70065" E     | 22° 10' 24.44365" N | 748646.04584   | 2454001.85332 |
| R14                                                                              | 83° 24' 40.36327" E     | 22° 10' 25.97785" N | 748635.62780   | 2454048.90135 |
| R15                                                                              | 83° 24' 40.50115" E     | 22° 10' 26.02016" N | 748639.55830   | 2454050.26590 |
| R16                                                                              | 83° 24' 40.38831" E     | 22° 10' 26.82824" N | 748635.92970   | 2454075.07620 |
| R17                                                                              | 83° 24' 40.36760" E     | 22° 10' 27.69258" N | 748634.91342   | 2454101.65937 |
| R18                                                                              | 83° 24' 40.95188" E     | 22° 10' 26.70520" N | 748652.13916   | 2454071.54749 |
| R19                                                                              | 83° 24' 41.36115" E     | 22° 10' 26.41297" N | 748664.01009   | 2454062.74302 |
| R20                                                                              | 83° 24' 41.40079" E     | 22° 10' 26.12914" N | 748665.28460   | 2454054.02850 |
| R21                                                                              | 83° 24' 41.50086" E     | 22° 10' 26.16427" N | 748668.13510   | 2454055.15500 |
| R22                                                                              | 83° 24' 41.79510" E     | 22° 10' 24.62462" N | 748677.31980   | 2454007.91960 |
| R23                                                                              | 83° 24' 42.21335" E     | 22° 10' 22.95400" N | 748690.12190   | 2453956.71100 |
| R24                                                                              | 83° 24' 42.11110" E     | 22° 10' 22.93310" N | 748687.20200   | 2453956.02140 |
| R25                                                                              | 83° 24' 42.90058" E     | 22° 10' 19.82549" N | 748711.34520   | 2453860.77120 |
| R26                                                                              | 83° 24' 42.93547" E     | 22° 10' 19.82924" N | 748712.34300   | 2453860.90250 |

| Center Line Pillar Coordinates of Railway Line |                         |                     |                |               |
|------------------------------------------------|-------------------------|---------------------|----------------|---------------|
| Pillar No                                      | Geographical Coordinate |                     | UTM Coordinate |               |
|                                                | Longitude               | Latitude            | Easting        | Northing      |
| CR1                                            | 83° 24' 40.86665" E     | 22° 10' 26.88936" N | 748649.60690   | 2454077.17400 |
| CR2                                            | 83° 24' 40.98476" E     | 22° 10' 25.89559" N | 748653.47730   | 2454046.65400 |
| CR3                                            | 83° 24' 41.19811" E     | 22° 10' 24.87121" N | 748660.09190   | 2454015.23400 |
| CR4                                            | 83° 24' 41.87845" E     | 22° 10' 22.13071" N | 748680.92790   | 2453931.22900 |
| CR5                                            | 83° 24' 43.04856" E     | 22° 10' 17.48627" N | 748716.72970   | 2453788.86900 |
| CR6                                            | 83° 24' 43.23263" E     | 22° 10' 16.75566" N | 748722.36180   | 2453766.47500 |

| Bounding Area of MGR Railway Line in Revenue Forest Village - Banai |            |                      |                  |
|---------------------------------------------------------------------|------------|----------------------|------------------|
| Sl. No.                                                             | Khasra No. | Category             | Area in Hectares |
| 1                                                                   | 750/1      | BADE JHAAD KE JANGAL | 0.865            |

**Legend**

Centre Line Pillar of Railway Line

Revenue Forest Area Boundary Pillar

Proposed MGR Railway Line

MGR Line Under Revenue forest Area

**Scale**

1 : 4000

0

30

60

120

180

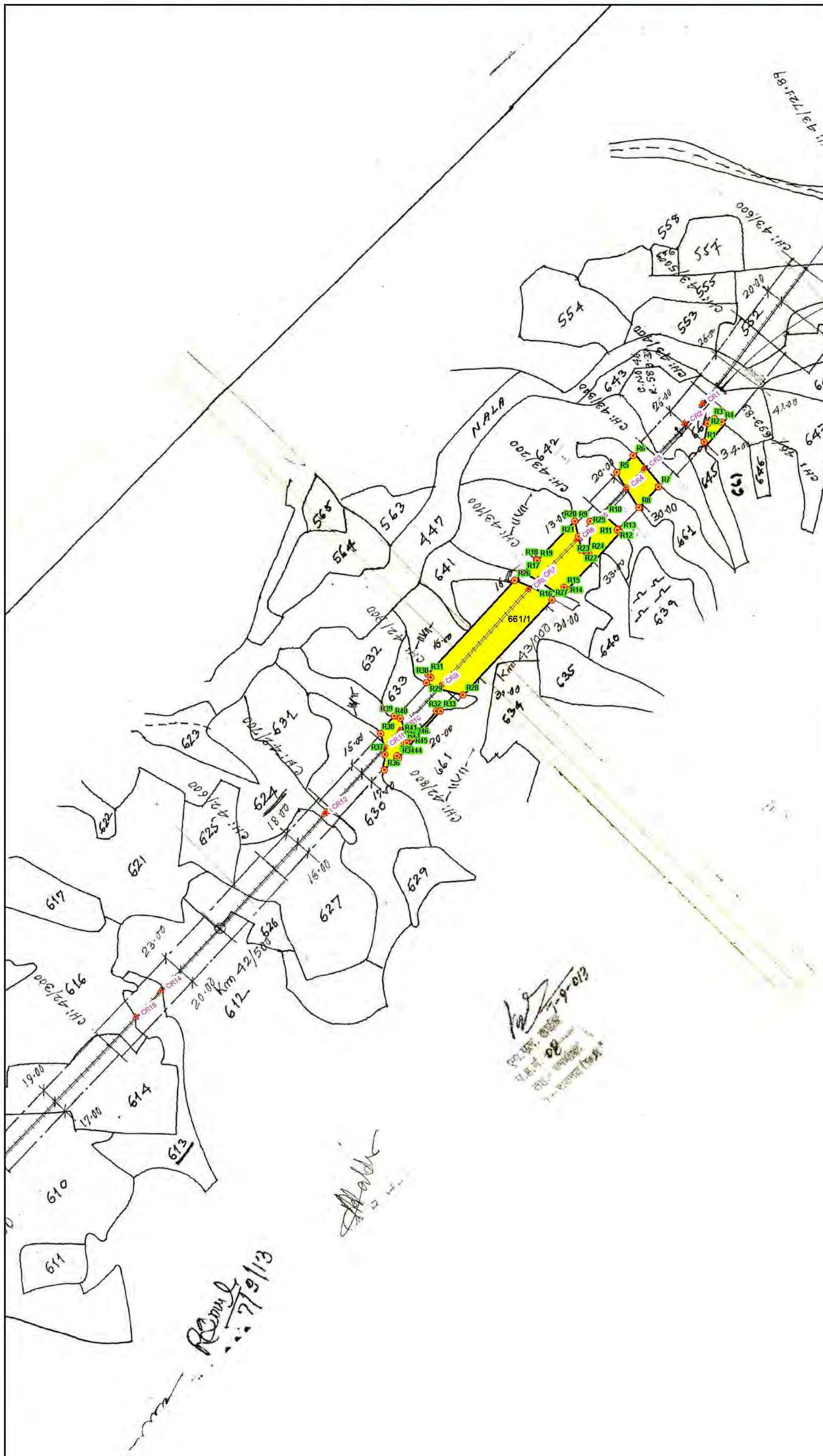
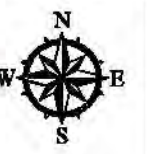
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300 Mtr

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# MAP SHOWING MERRY-GO-ROUND (MGR) RAILWAY LINE FOR TALAIPALLI COAL MINING PROJECT AND THEIR COORDINATES, RAIGARH, CHHATTISGARH, REVENUE FOREST OF RAIKERA VILLAGE



**BOUNDING AREA COORDINATES OF MGR RAILWAY LINE IN REVENUE FOREST, VILLAGE - RAIKERA**

| PILLAR NO | GEOGRAPHICAL COORDINATE |                     | UTM COORDINATE |               |
|-----------|-------------------------|---------------------|----------------|---------------|
|           | LONGITUDE               | LATITUDE            | EASTING        | NORTHING      |
| R1        | 83° 25' 38.10594" E     | 22° 13' 35.88688" N | 750196.70506   | 2459918.16277 |
| R2        | 83° 25' 38.27908" E     | 22° 13' 36.63867" N | 750201.29389   | 2459941.37243 |
| R3        | 83° 25' 38.56949" E     | 22° 13' 36.82522" N | 750209.52064   | 2459947.24521 |
| R4        | 83° 25' 38.88754" E     | 22° 13' 36.67752" N | 750218.70407   | 2459942.84708 |
| R5        | 83° 25' 34.28606" E     | 22° 13' 34.71048" N | 750087.86414   | 2459880.21443 |
| R6        | 83° 25' 35.01375" E     | 22° 13' 35.38893" N | 750108.37442   | 2459901.42233 |
| R7        | 83° 25' 36.09421" E     | 22° 13' 34.09670" N | 750139.96159   | 2459862.16067 |
| R8        | 83° 25' 35.22058" E     | 22° 13' 33.28219" N | 750115.33816   | 2459836.69968 |
| R9        | 83° 25' 33.08330" E     | 22° 13' 32.74536" N | 750054.37986   | 2459819.20201 |
| R10       | 83° 25' 33.79049" E     | 22° 13' 32.93010" N | 750074.54628   | 2459825.21054 |
| R11       | 83° 25' 34.29767" E     | 22° 13' 32.42171" N | 750089.32520   | 2459809.80189 |
| R12       | 83° 25' 34.26241" E     | 22° 13' 32.38885" N | 750088.33160   | 2459808.77450 |
| R13       | 83° 25' 34.39049" E     | 22° 13' 32.27638" N | 750092.05578   | 2459805.37304 |
| R14       | 83° 25' 32.04672" E     | 22° 13' 29.99589" N | 750026.04211   | 2459734.13383 |
| R15       | 83° 25' 31.91250" E     | 22° 13' 30.09970" N | 750022.14590   | 2459737.26620 |
| R16       | 83° 25' 31.64723" E     | 22° 13' 29.87007" N | 750014.66037   | 2459730.07942 |
| R17       | 83° 25' 30.17308" E     | 22° 13' 30.71792" N | 749972.01497   | 2459755.48840 |
| R18       | 83° 25' 30.74387" E     | 22° 13' 31.25290" N | 749988.10166   | 2459772.21010 |
| R19       | 83° 25' 30.76791" E     | 22° 13' 31.20236" N | 749988.81516   | 2459770.66625 |
| R20       | 83° 25' 32.42878" E     | 22° 13' 32.76539" N | 750035.62093   | 2459819.51769 |
| R21       | 83° 25' 32.57490" E     | 22° 13' 32.14754" N | 750040.11111   | 2459800.57559 |
| R22       | 83° 25' 32.70041" E     | 22° 13' 31.59235" N | 750043.98023   | 2459783.55182 |
| R23       | 83° 25' 32.94304" E     | 22° 13' 31.36317" N | 750051.04349   | 2459776.61203 |
| R24       | 83° 25' 33.02234" E     | 22° 13' 31.46260" N | 750053.26599   | 2459779.70767 |
| R25       | 83° 25' 33.08708" E     | 22° 13' 32.51728" N | 750054.60046   | 2459812.18657 |
| R26       | 83° 25' 29.77369" E     | 22° 13' 30.41443" N | 749960.72385   | 2459745.96779 |
| R27       | 83° 25' 31.38754" E     | 22° 13' 29.59148" N | 750007.35896   | 2459721.38894 |
| R28       | 83° 25' 27.44951" E     | 22° 13' 25.80635" N | 749896.41696   | 2459603.12591 |
| R29       | 83° 25' 25.86982" E     | 22° 13' 26.32868" N | 749850.90854   | 2459618.47177 |
| R30       | 83° 25' 26.06321" E     | 22° 13' 26.52899" N | 749856.34940   | 2459624.72330 |
| R31       | 83° 25' 25.92997" E     | 22° 13' 26.68444" N | 749852.45613   | 2459629.44505 |
| R32       | 83° 25' 26.28193" E     | 22° 13' 25.18084" N | 749863.27890   | 2459583.34543 |
| R33       | 83° 25' 26.45821" E     | 22° 13' 25.17005" N | 749868.33403   | 2459583.09426 |
| R34       | 83° 25' 24.61671" E     | 22° 13' 23.30385" N | 749816.50205   | 2459524.83290 |
| R35       | 83° 25' 24.54711" E     | 22° 13' 23.38966" N | 749814.46609   | 2459527.44127 |
| R36       | 83° 25' 23.97531" E     | 22° 13' 22.82108" N | 749798.36637   | 2459509.68558 |
| R37       | 83° 25' 24.01618" E     | 22° 13' 23.44772" N | 749799.22844   | 2459528.98403 |
| R38       | 83° 25' 23.84517" E     | 22° 13' 24.30387" N | 749793.90817   | 2459555.24646 |
| R39       | 83° 25' 24.45100" E     | 22° 13' 25.01099" N | 749810.91426   | 2459577.28014 |
| R40       | 83° 25' 24.71355" E     | 22° 13' 24.90710" N | 749818.48643   | 2459574.20424 |
| R41       | 83° 25' 24.74652" E     | 22° 13' 24.24616" N | 749819.75643   | 2459553.88420 |
| R42       | 83° 25' 24.73010" E     | 22° 13' 24.09677" N | 749819.35956   | 2459549.28044 |
| R43       | 83° 25' 24.86036" E     | 22° 13' 23.93745" N | 749823.16957   | 2459544.43856 |
| R44       | 83° 25' 24.96725" E     | 22° 13' 23.89376" N | 749826.25304   | 2459543.14323 |
| R45       | 83° 25' 25.20908" E     | 22° 13' 24.09912" N | 749833.07930   | 2459549.57262 |
| R46       | 83° 25' 25.25821" E     | 22° 13' 24.21707" N | 749834.42868   | 2459553.22388 |

**CENTER LINE PILLAR COORDINATE OF RAILWAY LINE**

| PILLAR NO | GEOGRAPHICAL COORDINATE |                     | UTM COORDINATE |               |
|-----------|-------------------------|---------------------|----------------|---------------|
|           | LONGITUDE               | LATITUDE            | EASTING        | NORTHING      |
| CR1       | 83° 25' 38.04442" E     | 22° 13' 37.47009" N | 750194.16160   | 2459966.84500 |
| CR2       | 83° 25' 37.25809" E     | 22° 13' 36.68938" N | 750172.02250   | 2459942.46400 |
| CR3       | 83° 25' 35.46240" E     | 22° 13' 34.90649" N | 750121.46390   | 2459886.78500 |
| CR4       | 83° 25' 34.65877" E     | 22° 13' 34.10859" N | 750098.83740   | 2459861.86700 |
| CR5       | 83° 25' 33.08530" E     | 22° 13' 32.62488" N | 750054.49640   | 2459815.49600 |
| CR6       | 83° 25' 32.48478" E     | 22° 13' 32.06324" N | 750037.57110   | 2459797.94100 |
| CR7       | 83° 25' 30.78272" E     | 22° 13' 30.47139" N | 749989.59980   | 2459748.18300 |
| CR8       | 83° 25' 30.34816" E     | 22° 13' 30.06496" N | 749977.35180   | 2459735.47900 |
| CR9       | 83° 25' 26.46822" E     | 22° 13' 26.23849" N | 749868.09450   | 2459615.97100 |
| CR10      | 83° 25' 24.66454" E     | 22° 13' 24.45163" N | 749817.30700   | 2459560.16800 |
| CR11      | 83° 25' 23.98306" E     | 22° 13' 23.77245" N | 749798.11990   | 2459538.96000 |
| CR12      | 83° 25' 21.42924" E     | 22° 13' 21.21244" N | 749726.22420   | 2459459.02600 |
| CR13      | 83° 25' 21.32433" E     | 22° 13' 21.10727" N | 749723.27060   | 2459455.74200 |
| CR14      | 83° 25' 14.09769" E     | 22° 13' 14.07510" N | 749519.71600   | 2459236.07500 |
| CR15      | 83° 25' 12.99084" E     | 22° 13' 13.01290" N | 749488.53130   | 2459202.88700 |

**BOUNDING AREA OF MGR RAILWAY LINE IN REVENUE FOREST VILLAGE - RAIKERA**

| SL. NO. | KHASRA NO. | CATEGORY               | AREA IN HECTARES |
|---------|------------|------------------------|------------------|
| 2       | 661/1      | CHHOTE JHAAD KE JANGAL | 1.719            |

## Legend

- ▲ Centre Line Pillar of Railway Line
- Revenue Forest Area Boundary Pillar
- Proposed MGR Railway Line
- MGR Line Under Revenue forest Area

## Scale

1 : 4000  
0 25 50 100 150 200 250 Mtr



**DGPS Survey Conducted & Map Prepared By**  
**छत्तीसगढ़ अंतरिक्ष उपयोग केन्द्र**  
 Chhattisgarh Council of Science & Technology  
 Vigyan Bhavan, Vidhan Sabha Road, Daldal Seoni  
 Raipur, (CG) Pin - 492014



MAP SHOWING MERRY-GO-ROUND (MGR) RAILWAY LINE SUPERIMPOSED ON HIGH RESOLUTION SATELLITE IMAGE FOR TALAIPALLI COAL MINING PROJECT AND THEIR COORDINATES, RAIGARH, CHHATTISGARH, REVENUE FOREST OF RAIKERA VILLAGE



| BOUNDING AREA COORDINATES OF MGR RAILWAY LINE IN REVENUE FOREST, VILLAGE - RAIKERA |                         |                     |                |               |
|------------------------------------------------------------------------------------|-------------------------|---------------------|----------------|---------------|
| PILLAR NO                                                                          | GEOGRAPHICAL COORDINATE |                     | UTM COORDINATE |               |
|                                                                                    | LONGITUDE               | LATITUDE            | EASTING        | NORTHING      |
| R1                                                                                 | 83° 25' 38.10594" E     | 22° 13' 35.88688" N | 750196.70506   | 2459918.16277 |
| R2                                                                                 | 83° 25' 38.27908" E     | 22° 13' 36.63867" N | 750201.29389   | 2459941.37243 |
| R3                                                                                 | 83° 25' 38.56949" E     | 22° 13' 36.82522" N | 750209.52064   | 2459947.24521 |
| R4                                                                                 | 83° 25' 38.88754" E     | 22° 13' 36.67752" N | 750218.70407   | 2459942.84708 |
| R5                                                                                 | 83° 25' 34.28606" E     | 22° 13' 34.71048" N | 750087.86414   | 2459880.21443 |
| R6                                                                                 | 83° 25' 35.01375" E     | 22° 13' 35.38893" N | 750108.37442   | 2459901.42233 |
| R7                                                                                 | 83° 25' 36.09421" E     | 22° 13' 34.09670" N | 750139.96159   | 2459862.16067 |
| R8                                                                                 | 83° 25' 35.22058" E     | 22° 13' 33.28219" N | 750115.33816   | 2459836.69968 |
| R9                                                                                 | 83° 25' 33.08330" E     | 22° 13' 32.74536" N | 750054.37986   | 2459819.20201 |
| R10                                                                                | 83° 25' 33.79049" E     | 22° 13' 32.93010" N | 750074.54628   | 2459825.21054 |
| R11                                                                                | 83° 25' 34.29767" E     | 22° 13' 32.42171" N | 750089.32520   | 2459809.80189 |
| R12                                                                                | 83° 25' 34.26241" E     | 22° 13' 32.38885" N | 750088.33160   | 2459808.77450 |
| R13                                                                                | 83° 25' 34.39049" E     | 22° 13' 32.27638" N | 750092.05578   | 2459805.37304 |
| R14                                                                                | 83° 25' 32.04672" E     | 22° 13' 29.99589" N | 750026.04211   | 2459734.13383 |
| R15                                                                                | 83° 25' 31.91250" E     | 22° 13' 30.09970" N | 750022.14590   | 2459737.26620 |
| R16                                                                                | 83° 25' 31.64723" E     | 22° 13' 29.87007" N | 750014.66037   | 2459730.07942 |
| R17                                                                                | 83° 25' 30.17308" E     | 22° 13' 30.71792" N | 749972.01497   | 2459755.48840 |
| R18                                                                                | 83° 25' 30.74387" E     | 22° 13' 31.25290" N | 749988.10166   | 2459772.21010 |
| R19                                                                                | 83° 25' 30.76791" E     | 22° 13' 31.20236" N | 749988.81516   | 2459770.66625 |
| R20                                                                                | 83° 25' 32.42878" E     | 22° 13' 32.76539" N | 750035.62093   | 2459819.51769 |
| R21                                                                                | 83° 25' 32.57490" E     | 22° 13' 32.14754" N | 750040.11111   | 2459800.57559 |
| R22                                                                                | 83° 25' 32.70041" E     | 22° 13' 31.59235" N | 750043.98023   | 2459783.55182 |
| R23                                                                                | 83° 25' 32.94304" E     | 22° 13' 31.36317" N | 750051.04349   | 2459776.61203 |
| R24                                                                                | 83° 25' 33.02234" E     | 22° 13' 31.46260" N | 750053.26599   | 2459779.70767 |
| R25                                                                                | 83° 25' 33.08708" E     | 22° 13' 32.51728" N | 750054.60046   | 2459812.18657 |
| R26                                                                                | 83° 25' 29.77369" E     | 22° 13' 30.41443" N | 749960.72385   | 2459745.96779 |
| R27                                                                                | 83° 25' 31.38754" E     | 22° 13' 29.59148" N | 750007.35896   | 2459721.38894 |
| R28                                                                                | 83° 25' 27.44951" E     | 22° 13' 25.80635" N | 749896.41696   | 2459603.12591 |
| R29                                                                                | 83° 25' 25.86982" E     | 22° 13' 26.32868" N | 749850.90854   | 2459618.47177 |
| R30                                                                                | 83° 25' 26.06321" E     | 22° 13' 26.52899" N | 749856.34940   | 2459624.72330 |
| R31                                                                                | 83° 25' 25.92997" E     | 22° 13' 26.68444" N | 749852.45613   | 2459629.44505 |
| R32                                                                                | 83° 25' 26.28193" E     | 22° 13' 25.18084" N | 749863.27890   | 2459583.34543 |
| R33                                                                                | 83° 25' 26.45821" E     | 22° 13' 25.17005" N | 749868.33403   | 2459583.09426 |
| R34                                                                                | 83° 25' 24.61671" E     | 22° 13' 23.30385" N | 749816.50205   | 2459524.83290 |
| R35                                                                                | 83° 25' 24.54711" E     | 22° 13' 23.38966" N | 749814.46609   | 2459527.44127 |
| R36                                                                                | 83° 25' 23.97531" E     | 22° 13' 22.82108" N | 749798.36637   | 2459509.68558 |
| R37                                                                                | 83° 25' 24.01618" E     | 22° 13' 23.44772" N | 749799.22844   | 2459528.98403 |
| R38                                                                                | 83° 25' 23.84517" E     | 22° 13' 24.30387" N | 749793.90817   | 2459555.24646 |
| R39                                                                                | 83° 25' 24.45100" E     | 22° 13' 25.01099" N | 749810.91426   | 2459577.28014 |
| R40                                                                                | 83° 25' 24.71355" E     | 22° 13' 24.90710" N | 749818.48643   | 2459574.20424 |
| R41                                                                                | 83° 25' 24.74652" E     | 22° 13' 24.24616" N | 749819.75643   | 2459553.88420 |
| R42                                                                                | 83° 25' 24.73010" E     | 22° 13' 24.09677" N | 749819.35956   | 2459549.28044 |
| R43                                                                                | 83° 25' 24.86036" E     | 22° 13' 23.93745" N | 749823.16957   | 2459544.43856 |
| R44                                                                                | 83° 25' 24.96725" E     | 22° 13' 23.89376" N | 749826.25304   | 2459543.14323 |
| R45                                                                                | 83° 25' 25.20908" E     | 22° 13' 24.09912" N | 749833.07930   | 2459549.57262 |
| R46                                                                                | 83° 25' 25.25821" E     | 22° 13' 24.21707" N | 749834.42868   | 2459553.22388 |

| CENTER LINE PILLAR COORDINATE OF RAILWAY LINE |                         |                     |                |               |
|-----------------------------------------------|-------------------------|---------------------|----------------|---------------|
| PILLAR NO                                     | GEOGRAPHICAL COORDINATE |                     | UTM COORDINATE |               |
|                                               | LONGITUDE               | LATITUDE            | EASTING        | NORTHING      |
| CR1                                           | 83° 25' 38.04442" E     | 22° 13' 37.47009" N | 750194.16160   | 2459966.84500 |
| CR2                                           | 83° 25' 37.25809" E     | 22° 13' 36.68938" N | 750172.02250   | 2459942.46400 |
| CR3                                           | 83° 25' 35.46240" E     | 22° 13' 34.90649" N | 750121.46390   | 2459886.78500 |
| CR4                                           | 83° 25' 34.65877" E     | 22° 13' 34.10859" N | 750098.83740   | 2459861.86700 |
| CR5                                           | 83° 25' 33.08530" E     | 22° 13' 32.62488" N | 750054.49640   | 2459815.49600 |
| CR6                                           | 83° 25' 32.48478" E     | 22° 13' 32.06324" N | 750037.57110   | 2459797.94100 |
| CR7                                           | 83° 25' 30.78272" E     | 22° 13' 30.47139" N | 749989.59980   | 2459748.18300 |
| CR8                                           | 83° 25' 30.34816" E     | 22° 13' 30.06496" N | 749977.35180   | 2459735.47900 |
| CR9                                           | 83° 25' 26.46822" E     | 22° 13' 26.23849" N | 749868.09450   | 2459615.97100 |
| CR10                                          | 83° 25' 24.66454" E     | 22° 13' 24.45163" N | 749817.30700   | 2459560.16800 |
| CR11                                          | 83° 25' 23.98306" E     | 22° 13' 23.77245" N | 749798.11990   | 2459538.96000 |
| CR12                                          | 83° 25' 21.42924" E     | 22° 13' 21.21244" N | 749726.22420   | 2459459.02600 |
| CR13                                          | 83° 25' 21.32433" E     | 22° 13' 21.10727" N | 749723.27060   | 2459455.74200 |
| CR14                                          | 83° 25' 14.09769" E     | 22° 13' 14.07510" N | 749519.71600   | 2459236.07500 |
| CR15                                          | 83° 25' 12.99084" E     | 22° 13' 13.01290" N | 749488.53130   | 2459202.88700 |

| BOUNDING AREA OF MGR RAILWAY LINE IN REVENUE FOREST VILLAGE - RAIKERA |            |                       |                  |
|-----------------------------------------------------------------------|------------|-----------------------|------------------|
| SL. NO.                                                               | KHASRA NO. | CATEGORY              | AREA IN HECTARES |
| 2                                                                     | 661/1      | CHHOTEIHAAD KE JANGAL | 1.719            |

| Legend |                                     |
|--------|-------------------------------------|
|        | Centre Line Pillar of Railway Line  |
|        | Revenue Forest Area Boundary Pillar |
|        | Proposed MGR Railway Line           |
|        | MGR Line Under Revenue forest Area  |

| Scale    |  |
|----------|--|
| 1 : 4000 |  |
|          |  |



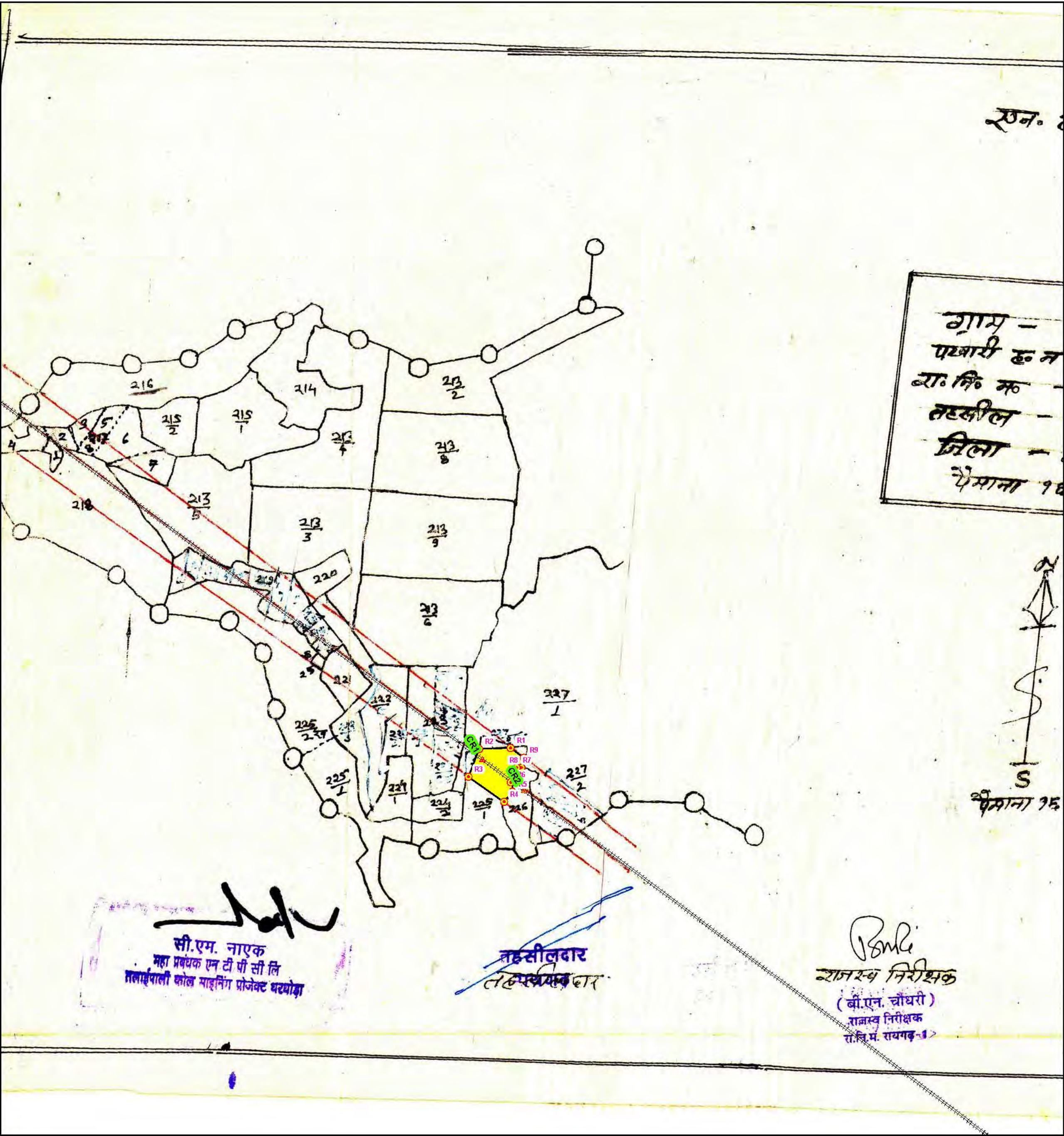
DGPS Survey Conducted & Map Prepared By

**छत्तीसगढ़ अंतरिक्ष उपयोग केन्द्र**

Chhattisgarh Council of Science & Technology  
Vigyan Bhavan, Vidhan Sabha Road, Daldal Seoni  
Raipur, (CG) Pin - 492014



MAP SHOWING MERRY-GO-ROUND (MGR) RAILWAY LINE FOR TALAIPALLI COAL MINING PROJECT AND THEIR COORDINATES, RAIGARH, CHHATTISGARH, REVENUE FOREST OF SAMBALPURI VILLAGE



BOUNDING AREA COORDINATES OF MGR RAILWAY LINE IN REVENUE FOREST, VILLAGE - SAMBALPURI

| PILLAR NO | GEOGRAPHICAL COORDINATE |                     | UTM COORDINATE |               |
|-----------|-------------------------|---------------------|----------------|---------------|
|           | LONGITUDE               | LATITUDE            | EASTING        | NORTHING      |
| R1        | 83° 26' 25.38075" E     | 21° 55' 33.53946" N | 752084.30142   | 2426639.84205 |
| R2        | 83° 26' 23.98542" E     | 21° 55' 33.52031" N | 752044.25617   | 2426638.61540 |
| R3        | 83° 26' 23.49238" E     | 21° 55' 32.37688" N | 752030.66268   | 2426603.21147 |
| R4        | 83° 26' 25.05096" E     | 21° 55' 31.31721" N | 752075.92242   | 2426571.32160 |
| R5        | 83° 26' 25.42967" E     | 21° 55' 31.73417" N | 752086.58959   | 2426584.32279 |
| R6        | 83° 26' 25.36277" E     | 21° 55' 32.11419" N | 752084.48325   | 2426595.98386 |
| R7        | 83° 26' 25.63064" E     | 21° 55' 32.72123" N | 752091.87567   | 2426614.78245 |
| R8        | 83° 26' 25.84088" E     | 21° 55' 32.71533" N | 752097.91378   | 2426614.69702 |
| R9        | 83° 26' 25.95976" E     | 21° 55' 33.11807" N | 752101.12896   | 2426627.14202 |

CENTER LINE PILLAR COORDINATE OF RAILWAY LINE

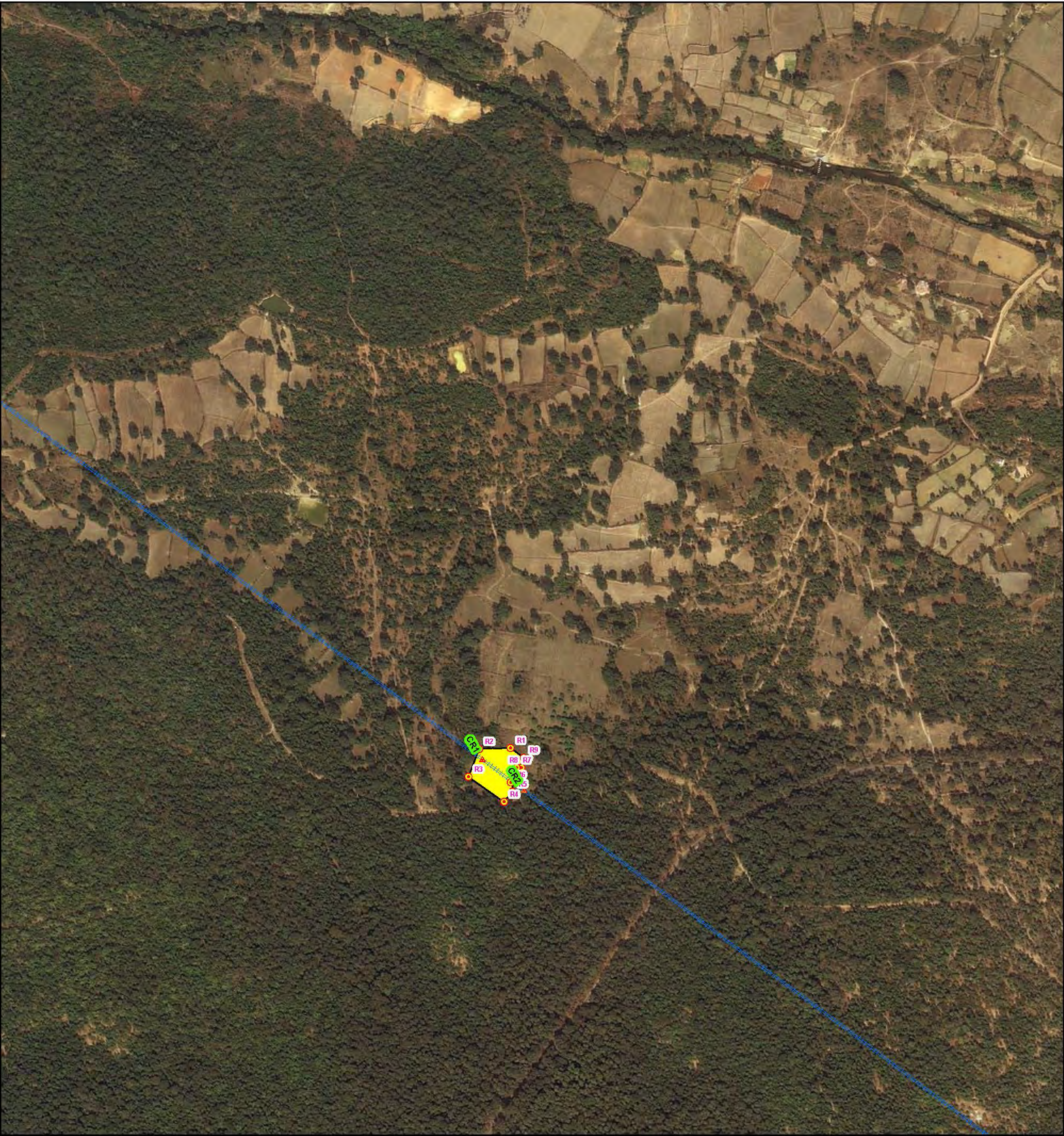
| PILLAR NO | GEOGRAPHICAL COORDINATE |                     | UTM COORDINATE |               |
|-----------|-------------------------|---------------------|----------------|---------------|
|           | LONGITUDE               | LATITUDE            | EASTING        | NORTHING      |
| CR1       | 83° 26' 24.10707" E     | 21° 55' 33.09182" N | 752047.95820   | 2426625.48800 |
| CR2       | 83° 26' 25.93837" E     | 21° 55' 31.78267" N | 752101.16890   | 2426586.04700 |

BOUNDING AREA OF MGR RAILWAY LINE IN REVENUE FOREST VILLAGE - SAMBALPURI

| SL. NO. | KHASRA NO. | CATEGORY               | AREA IN HECTARES |
|---------|------------|------------------------|------------------|
| 2       | 225/1      | CHHOTE JHAAD KE JANGAL | 0.304            |



MAP SHOWING MERRY-GO-ROUND (MGR) RAILWAY LINE SUPERIMPOSED ON HIGH RESOLUTION SATELLITE IMAGE  
FOR TALAIPALLI COAL MINING PROJECT AND THEIR COORDINATES, RAIGARH, CHHATTISGARH, REVENUE FOREST OF SAMBALPURI VILLAGE



BOUNDING AREA COORDINATES OF MGR RAILWAY LINE IN REVENUE FOREST, VILLAGE - SAMBALPURI

| PILLAR NO | GEOGRAPHICAL COORDINATE |                     | UTM COORDINATE |               |
|-----------|-------------------------|---------------------|----------------|---------------|
|           | LONGITUDE               | LATITUDE            | EASTING        | NORTHING      |
| R1        | 83° 26' 25.38075" E     | 21° 55' 33.53946" N | 752084.30142   | 2426639.84205 |
| R2        | 83° 26' 23.98542" E     | 21° 55' 33.52031" N | 752044.25617   | 2426638.61540 |
| R3        | 83° 26' 23.49238" E     | 21° 55' 32.37688" N | 752030.66268   | 2426603.21147 |
| R4        | 83° 26' 25.05096" E     | 21° 55' 31.31721" N | 752075.92242   | 2426571.32160 |
| R5        | 83° 26' 25.42967" E     | 21° 55' 31.73417" N | 752086.58959   | 2426584.32279 |
| R6        | 83° 26' 25.36277" E     | 21° 55' 32.11419" N | 752084.48325   | 2426595.98386 |
| R7        | 83° 26' 25.63064" E     | 21° 55' 32.72123" N | 752091.87567   | 2426614.78245 |
| R8        | 83° 26' 25.84088" E     | 21° 55' 32.71533" N | 752097.91378   | 2426614.69702 |
| R9        | 83° 26' 25.95976" E     | 21° 55' 33.11807" N | 752101.12896   | 2426627.14202 |

CENTER LINE PILLAR COORDINATE OF RAILWAY LINE

| PILLAR NO | GEOGRAPHICAL COORDINATE |                     | UTM COORDINATE |               |
|-----------|-------------------------|---------------------|----------------|---------------|
|           | LONGITUDE               | LATITUDE            | EASTING        | NORTHING      |
| CR1       | 83° 26' 24.10707" E     | 21° 55' 33.09182" N | 752047.95820   | 2426625.48800 |
| CR2       | 83° 26' 25.93837" E     | 21° 55' 31.78267" N | 752101.16890   | 2426586.04700 |

BOUNDING AREA OF MGR RAILWAY LINE IN REVENUE FOREST  
VILLAGE - SAMBALPURI

| SL. NO. | KHASRA NO. | CATEGORY               | AREA IN HECTARES |
|---------|------------|------------------------|------------------|
| 2       | 225/1      | CHHOTE JHAAD KE JANGAL | 0.304            |

Legend

- Centre Line Pillar of Railway Line
- Revenue Forest Area Boundary Pillar
- Proposed MGR Railway Line
- MGR Line Under Revenue forest Area

Scale

1 : 4000

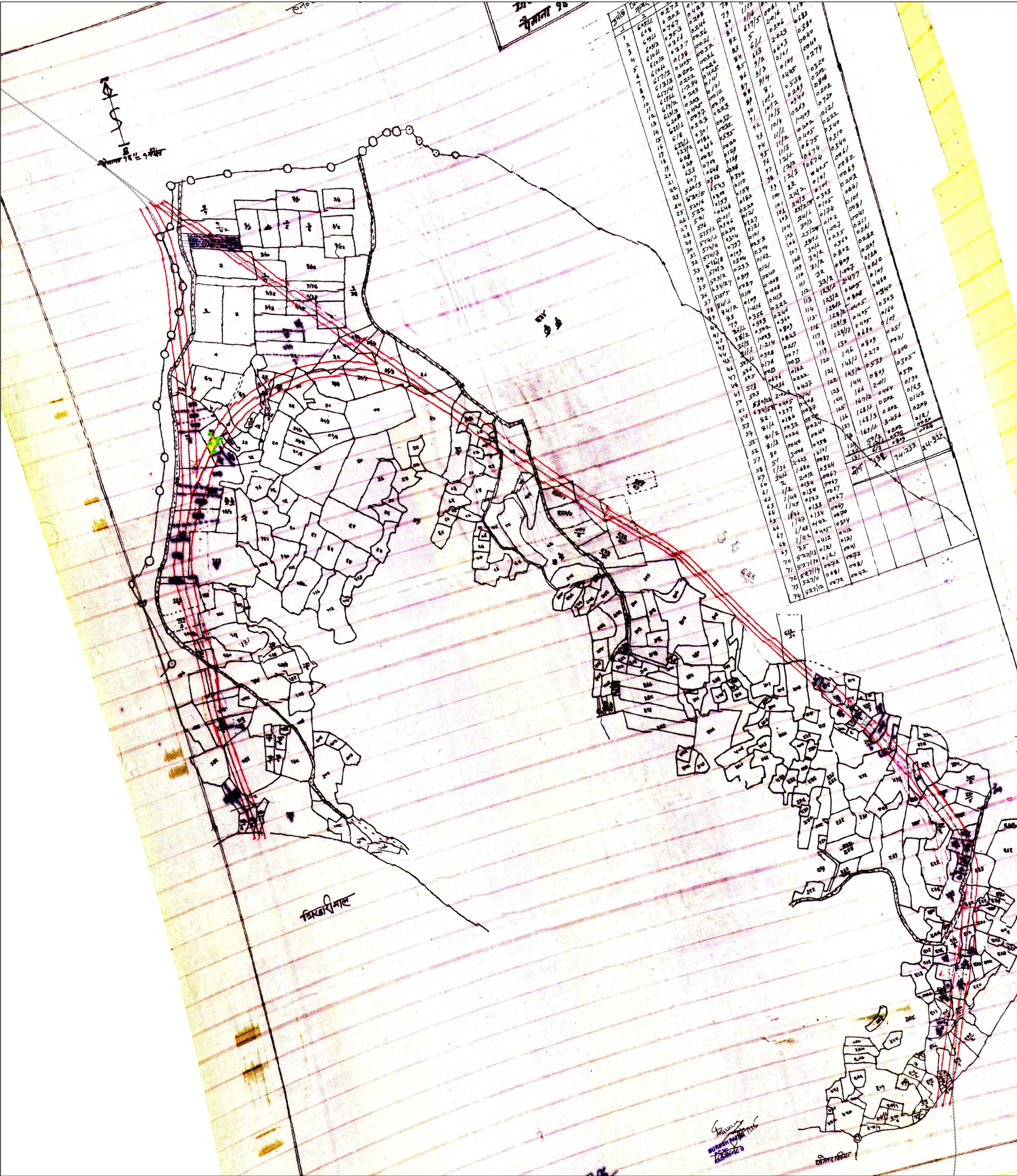
0 20 40 80 120 160 200 Mtr



DGPS Survey Conducted & Map Prepared By  
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Chhattisgarh Council of Science & Technology  
Vigyan Bhavan, Vidhan Sabha Road, Daldal Seoni  
Raipur, (CG) Pin - 492014



MAP SHOWING MERRY-GO-ROUND (MGR) RAILWAY LINE FOR TALAIPALLI COAL MINING PROJECT AND THEIR COORDINATES, RAIGARH, CHHATTISGARH, REVENUE FOREST OF TARPALI VILLAGE



BOUNDING AREA COORDINATES OF MGR RAILWAY LINE IN REVENUE FOREST, VILLAGE - TARPALI

| PILLAR NO | GEOGRAPHICAL COORDINATE |                     | UTM COORDINATE |               |
|-----------|-------------------------|---------------------|----------------|---------------|
|           | LONGITUDE               | LATITUDE            | EASTING        | NORTHING      |
| R1        | 83° 26' 57.77274" E     | 21° 54' 49.11518" N | 753035.98076   | 2425287.90032 |
| R2        | 83° 26' 57.15678" E     | 21° 54' 48.17867" N | 753018.75720   | 2425258.80501 |
| R3        | 83° 26' 57.57187" E     | 21° 54' 47.36376" N | 753031.07404   | 2425233.92366 |
| R6        | 83° 26' 58.24032" E     | 21° 54' 48.68841" N | 753049.61385   | 2425274.98443 |
| R4        | 83° 26' 58.01434" E     | 21° 54' 48.12372" N | 753043.40362   | 2425257.50742 |
| R5        | 83° 26' 58.32201" E     | 21° 54' 48.65216" N | 753051.97705   | 2425273.90649 |

Legend

- Centre Line Pillar of Railway Line
- Revenue Forest Area Boundary Pillar
- Proposed MGR Railway Line
- MGR Line Under Revenue forest Area

Scale

1 : 4000

0 40 80 160 240 320 400 Mtr

BOUNDING AREA OF MGR RAILWAY LINE IN REVENUE FOREST VILLAGE - TARPALI

| SL. NO. | KHASRA NO. | CATEGORY             | AREA IN HECTARES |
|---------|------------|----------------------|------------------|
| 1       | 9/1        | BADE JHAAD KE JANGAL | 0.085            |



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Vigyan Bhavan, Vidhan Sabha Road, Daldal Seoni  
Raipur, (CG) Pin - 492014



MAP SHOWING MERRY-GO-ROUND (MGR) RAILWAY LINE SUPERIMPOSED ON HIGH RESOLUTION SATELLITE IMAGE  
FOR TALAIPALLI COAL MINING PROJECT AND THEIR COORDINATES, RAIGARH, CHHATTISGARH, REVENUE FOREST OF TARPALI VILLAGE



| BOUNDING AREA COORDINATES OF MGR RAILWAY LINE IN REVENUE FOREST, VILLAGE - TARPALI |                         |                     |                |               |
|------------------------------------------------------------------------------------|-------------------------|---------------------|----------------|---------------|
| PILLAR NO                                                                          | GEOGRAPHICAL COORDINATE |                     | UTM COORDINATE |               |
|                                                                                    | LONGITUDE               | LATITUDE            | EASTING        | NORTHING      |
| R1                                                                                 | 83° 26' 57.77274" E     | 21° 54' 49.11518" N | 753035.98076   | 2425287.90032 |
| R2                                                                                 | 83° 26' 57.15678" E     | 21° 54' 48.17867" N | 753018.75720   | 2425258.80501 |
| R3                                                                                 | 83° 26' 57.57187" E     | 21° 54' 47.36376" N | 753031.07404   | 2425233.92366 |
| R6                                                                                 | 83° 26' 58.24032" E     | 21° 54' 48.68841" N | 753049.61385   | 2425274.98443 |
| R4                                                                                 | 83° 26' 58.01434" E     | 21° 54' 48.12372" N | 753043.40362   | 2425257.50742 |
| R5                                                                                 | 83° 26' 58.32201" E     | 21° 54' 48.65216" N | 753051.97705   | 2425273.90649 |

Legend

▲

Centre Line Pillar of Railway Line

●

Revenue Forest Area Boundary Pillar

—

Proposed MGR Railway Line

■

MGR Line Under Revenue forest Area

| BOUNDING AREA OF MGR RAILWAY LINE IN REVENUE FOREST VILLAGE - TARPALI |            |                      |                  |
|-----------------------------------------------------------------------|------------|----------------------|------------------|
| SL. NO.                                                               | KHASRA NO. | CATEGORY             | AREA IN HECTARES |
| 1                                                                     | 9/1        | BADE JHAAD KE JANGAL | 0.085            |

Scale

1 : 4000

0

40

80

160

240

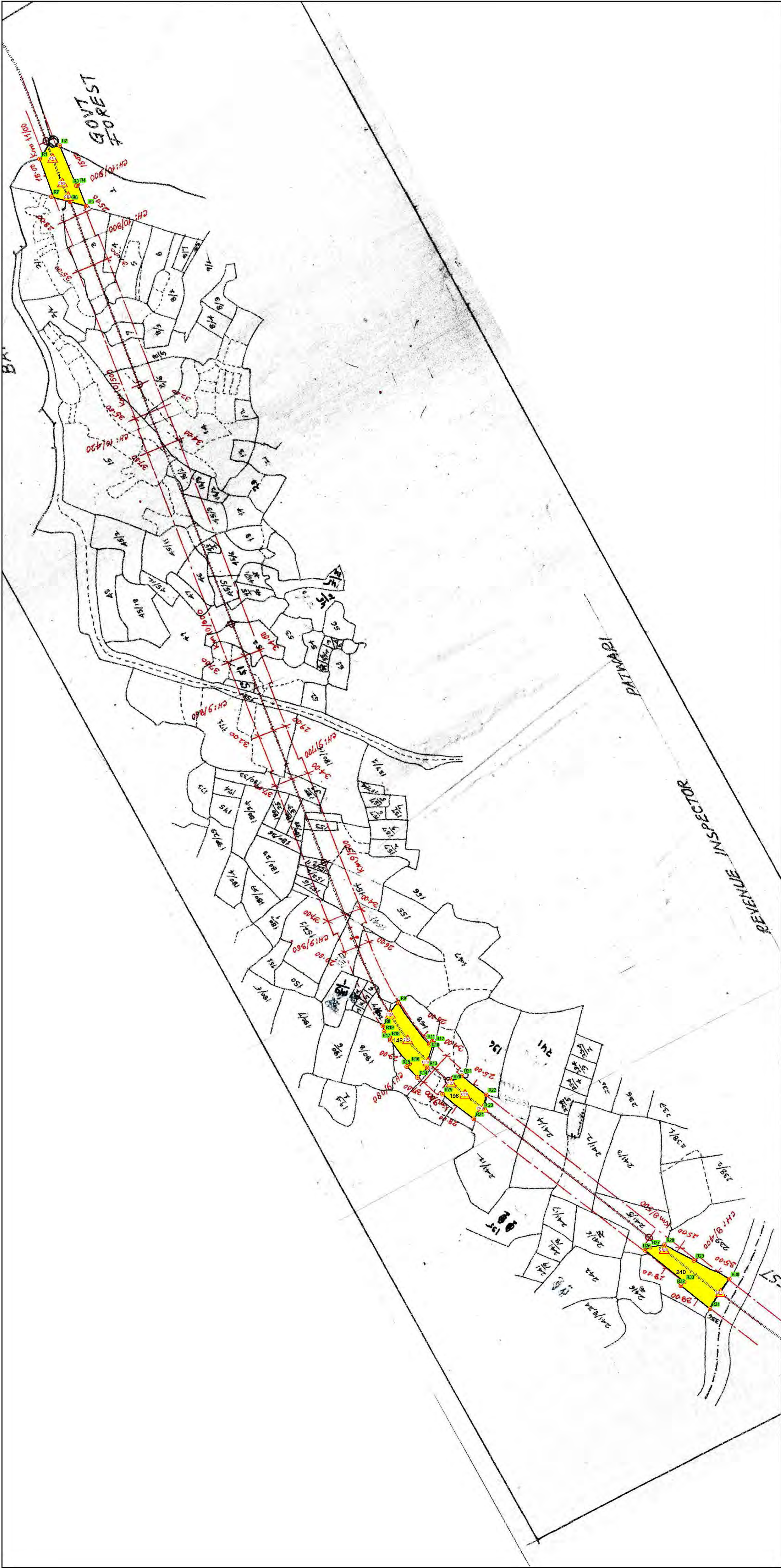
320

400 Mtr

DGPS Survey Conducted & Map Prepared By  
छत्तीसगढ़ अंतरिक्ष उपयोग केन्द्र  
Chhattisgarh Council of Science & Technology  
Vigyan Bhavan, Vidhan Sabha Road, Daldal Seoni  
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MAP SHOWING MERRY-GO-ROUND (MGR) RAILWAY LINE FOR TALAIPALLI COAL MINING PROJECT AND THEIR COORDINATES, RAIGARH, CHHATTISGARH, REVENUE FOREST OF REGRA VILLAGE



BOUNDING AREA COORDINATES OF MGR RAILWAY LINE IN REVENUE FOREST, VILLAGE - REGRA

| PILLAR NO | GEOGRAPHICAL COORDINATE |                     | UTM COORDINATE |             |
|-----------|-------------------------|---------------------|----------------|-------------|
|           | LONGITUDE               | LATITUDE            | EASTING        | NORTHING    |
| R1        | 83° 25' 7.04320" E      | 21° 57' 9.17471" N  | 749789.1072    | 2429546.506 |
| R2        | 83° 25' 8.44024" E      | 21° 57' 10.01101" N | 749828.7967    | 2429572.869 |
| R3        | 83° 25' 9.54226" E      | 21° 57' 7.41080" N  | 749861.6887    | 2429493.371 |
| R4        | 83° 25' 9.65397" E      | 21° 57' 7.46347" N  | 749864.8691    | 2429495.042 |
| R5        | 83° 25' 10.19981" E     | 21° 57' 6.09723" N  | 749881.1992    | 2429453.256 |
| R6        | 83° 25' 9.09944" E      | 21° 57' 6.37948" N  | 749849.4806    | 2429461.441 |
| R7        | 83° 25' 7.80967" E      | 21° 57' 6.73457" N  | 749812.2909    | 2429471.781 |
| R8        | 83° 25' 29.74847" E     | 21° 56' 13.08533" N | 750468.0719    | 2427831.17  |
| R9        | 83° 25' 30.85040" E     | 21° 56' 14.55686" N | 750498.9851    | 2427876.943 |
| R10       | 83° 25' 32.92553" E     | 21° 56' 11.87353" N | 750559.8557    | 2427795.331 |
| R11       | 83° 25' 33.12640" E     | 21° 56' 12.05374" N | 750565.5337    | 2427800.967 |
| R12       | 83° 25' 33.26359" E     | 21° 56' 11.92064" N | 750569.5364    | 2427796.934 |
| R13       | 83° 25' 32.75961" E     | 21° 56' 10.33241" N | 750555.8436    | 2427747.842 |
| R14       | 83° 25' 32.08128" E     | 21° 56' 9.73872" N  | 750536.6618    | 2427729.268 |
| R15       | 83° 25' 31.34369" E     | 21° 56' 10.45436" N | 750515.1415    | 2427750.95  |
| R16       | 83° 25' 31.54455" E     | 21° 56' 10.63457" N | 750520.8195    | 2427756.586 |
| R17       | 83° 25' 30.23565" E     | 21° 56' 12.16930" N | 750482.5017    | 2427803.209 |
| R18       | 83° 25' 30.19861" E     | 21° 56' 12.37372" N | 750481.3392    | 2427809.481 |
| R19       | 83° 25' 29.81146" E     | 21° 56' 12.71750" N | 750470.059     | 2427819.882 |
| R20       | 83° 25' 34.39726" E     | 21° 56' 9.44709" N  | 750603.2816    | 2427721.348 |
| R21       | 83° 25' 35.14812" E     | 21° 56' 9.80834" N  | 750624.6584    | 2427732.803 |
| R22       | 83° 25' 36.78671" E     | 21° 56' 8.55986" N  | 750672.3004    | 2427695.137 |
| R 23      | 83° 25' 36.48403" E     | 21° 56' 7.59430" N  | 750664.0826    | 2427665.294 |
| R24       | 83° 25' 35.90792" E     | 21° 56' 7.01385" N  | 750647.8289    | 2427647.174 |
| R25       | 83° 25' 33.78169" E     | 21° 56' 8.63518" N  | 750586.0078    | 2427696.089 |
| R26       | 83° 25' 47.55027" E     | 21° 55' 58.40054" N | 750986.2131    | 2427387.471 |
| R27       | 83° 25' 47.91097" E     | 21° 55' 58.58931" N | 750996.4747    | 2427393.443 |
| R28       | 83° 25' 48.90901" E     | 21° 55' 58.73319" N | 751025.0531    | 2427398.323 |
| R29       | 83° 25' 50.92731" E     | 21° 55' 57.69570" N | 751083.4936    | 2427367.323 |
| R30       | 83° 25' 53.34059" E     | 21° 55' 56.46616" N | 751153.3662    | 2427330.593 |
| R31       | 83° 25' 51.97048" E     | 21° 55' 54.56209" N | 751114.9664    | 2427271.389 |
| R32       | 83° 25' 50.00796" E     | 21° 55' 56.07705" N | 751057.8937    | 2427317.105 |
| R33       | 83° 25' 50.23030" E     | 21° 55' 56.32723" N | 751064.1537    | 2427324.903 |

CENTER LINE PILLAR COORDINATE OF RAILWAY LINE

| PILLAR NO | GEOGRAPHICAL COORDINATE |                     | UTM COORDINATE |               |
|-----------|-------------------------|---------------------|----------------|---------------|
|           | LONGITUDE               | LATITUDE            | EASTING        | NORTHING      |
| CR1       | 83° 25' 7.90078" E      | 21° 57' 9.21758" N  | 749813.69950   | 2429548.21400 |
| CR2       | 83° 25' 8.54865" E      | 21° 57' 7.62122" N  | 749833.06934   | 2429499.39434 |
| CR3       | 83° 25' 8.94053" E      | 21° 57' 6.74418" N  | 749844.74270   | 2429472.58886 |
| CR4       | 83° 25' 30.22895" E     | 21° 56' 13.86359" N | 750481.48470   | 2427855.33200 |
| CR5       | 83° 25' 31.40372" E     | 21° 56' 12.20599" N | 750516.01200   | 2427804.86800 |
| CR6       | 83° 25' 32.77920" E     | 21° 56' 10.74938" N | 750556.20270   | 2427760.67900 |
| CR7       | 83° 25' 34.36004" E     | 21° 56' 9.38705" N  | 750602.24250   | 2427719.48400 |
| CR8       | 83° 25' 35.28840" E     | 21° 56' 8.63987" N  | 750629.25390   | 2427696.91800 |
| CR9       | 83° 25' 36.53214" E     | 21° 56' 7.72222" N  | 750665.40130   | 2427669.25100 |
| CR10      | 83° 25' 48.83932" E     | 21° 55' 58.44495" N | 751023.19303   | 2427389.42396 |
| CR11      | 83° 25' 52.68363" E     | 21° 55' 55.61076" N | 751134.92560   | 2427303.97700 |

BOUNDING AREA OF MGR RAILWAY LINE IN REVENUE FOREST VILLAGE - REGRA

| SL. NO. | KHASRA NO. | CATEGORY               | AREA IN HECTARES |
|---------|------------|------------------------|------------------|
| 1       | 1          | CHHOTE JHAAD KE JANGAL | 0.551            |
| 2       | 240        | CHHOTE JHAAD KE JANGAL | 0.789            |
| 3       | 196        | CHHOTE JHAAD KE JANGAL | 0.399            |
| 4       | 148        | CHHOTE JHAAD KE JANGAL | 0.684            |

Legend

- Centre Line Pillar of Railway Line
- Revenue Forest Area Boundary Pillar
- Proposed MGR Railway Line
- MGR Line Under Revenue forest Area

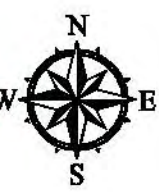
Scale

1 : 4000

0 40 80 160 240 320 400 Mtr



MAP SHOWING MERRY-GO-ROUND (MGR) RAILWAY LINE SUPERIMPOSED ON HIGH RESOLUTION SATELLITE IMAGE FOR TALAIPALLI COAL MINING PROJECT AND THEIR COORDINATES, RAIGARH, CHHATTISGARH, REVENUE FOREST OF REGRA VILLAGE



BOUNDING AREA COORDINATES OF MGR RAILWAY LINE IN REVENUE FOREST, VILLAGE - REGRA

| PILLAR NO | GEOGRAPHICAL COORDINATE |                     | UTM COORDINATE |             |
|-----------|-------------------------|---------------------|----------------|-------------|
|           | LONGITUDE               | LATITUDE            | EASTING        | NORTHING    |
| R1        | 83° 25' 7.04320" E      | 21° 57' 9.17471" N  | 749789.1072    | 2429546.506 |
| R2        | 83° 25' 8.44024" E      | 21° 57' 10.01101" N | 749828.7967    | 2429572.869 |
| R3        | 83° 25' 9.54226" E      | 21° 57' 7.41080" N  | 749861.6887    | 2429493.371 |
| R4        | 83° 25' 9.65397" E      | 21° 57' 7.46347" N  | 749864.8691    | 2429495.042 |
| R5        | 83° 25' 10.19981" E     | 21° 57' 6.09723" N  | 749881.1992    | 2429453.256 |
| R6        | 83° 25' 9.09944" E      | 21° 57' 6.37948" N  | 749849.4806    | 2429461.441 |
| R7        | 83° 25' 7.80967" E      | 21° 57' 6.73457" N  | 749812.2909    | 2429471.781 |
| R8        | 83° 25' 29.74847" E     | 21° 56' 13.08533" N | 750468.0719    | 2427831.17  |
| R9        | 83° 25' 30.85040" E     | 21° 56' 14.55686" N | 750498.9851    | 2427876.943 |
| R10       | 83° 25' 32.92553" E     | 21° 56' 11.87353" N | 750559.8557    | 2427795.331 |
| R11       | 83° 25' 33.12640" E     | 21° 56' 12.05374" N | 750565.5337    | 2427800.967 |
| R12       | 83° 25' 33.26359" E     | 21° 56' 11.92064" N | 750569.5364    | 2427796.934 |
| R13       | 83° 25' 32.75961" E     | 21° 56' 10.33241" N | 750555.8436    | 2427747.842 |
| R14       | 83° 25' 32.08128" E     | 21° 56' 9.73872" N  | 750536.6618    | 2427729.268 |
| R15       | 83° 25' 31.34369" E     | 21° 56' 10.45436" N | 750515.1415    | 2427750.95  |
| R16       | 83° 25' 31.54455" E     | 21° 56' 10.63457" N | 750520.8195    | 2427756.586 |
| R17       | 83° 25' 30.23565" E     | 21° 56' 12.16930" N | 750482.5017    | 2427803.209 |
| R18       | 83° 25' 30.19861" E     | 21° 56' 12.37372" N | 750481.3392    | 2427809.481 |
| R19       | 83° 25' 29.81146" E     | 21° 56' 12.71750" N | 750470.059     | 2427819.882 |
| R20       | 83° 25' 34.39726" E     | 21° 56' 9.44709" N  | 750603.2816    | 2427721.348 |
| R21       | 83° 25' 35.14812" E     | 21° 56' 9.80834" N  | 750624.6584    | 2427732.803 |
| R22       | 83° 25' 36.78671" E     | 21° 56' 8.55986" N  | 750672.3004    | 2427695.137 |
| R 23      | 83° 25' 36.48403" E     | 21° 56' 7.59430" N  | 750664.0826    | 2427665.294 |
| R24       | 83° 25' 35.90792" E     | 21° 56' 7.01385" N  | 750647.8289    | 2427647.174 |
| R25       | 83° 25' 33.78169" E     | 21° 56' 8.63518" N  | 750586.0078    | 2427696.089 |
| R26       | 83° 25' 47.55027" E     | 21° 55' 58.40054" N | 750986.2131    | 2427387.471 |
| R27       | 83° 25' 47.91097" E     | 21° 55' 58.58931" N | 750996.4747    | 2427393.443 |
| R28       | 83° 25' 48.90901" E     | 21° 55' 58.73319" N | 751025.0531    | 2427398.323 |
| R29       | 83° 25' 50.92731" E     | 21° 55' 57.69570" N | 751083.4936    | 2427367.323 |
| R30       | 83° 25' 53.34059" E     | 21° 55' 56.46616" N | 751153.3662    | 2427330.593 |
| R31       | 83° 25' 51.97048" E     | 21° 55' 54.56209" N | 751114.9664    | 2427271.389 |
| R32       | 83° 25' 50.00796" E     | 21° 55' 56.07705" N | 751057.8937    | 2427317.105 |
| R33       | 83° 25' 50.23030" E     | 21° 55' 56.32723" N | 751064.1537    | 2427324.903 |

CENTER LINE PILLAR COORDINATE OF RAILWAY LINE

| PILLAR NO | GEOGRAPHICAL COORDINATE |                     | UTM COORDINATE |               |
|-----------|-------------------------|---------------------|----------------|---------------|
|           | LONGITUDE               | LATITUDE            | EASTING        | NORTHING      |
| CR1       | 83° 25' 7.90078" E      | 21° 57' 9.21758" N  | 749813.69950   | 2429548.21400 |
| CR2       | 83° 25' 8.54865" E      | 21° 57' 7.62122" N  | 749833.06934   | 2429499.39434 |
| CR3       | 83° 25' 8.94053" E      | 21° 57' 6.74418" N  | 749844.74270   | 2429472.58886 |
| CR4       | 83° 25' 30.22895" E     | 21° 56' 13.86359" N | 750481.48470   | 2427855.33200 |
| CR5       | 83° 25' 31.40372" E     | 21° 56' 12.20599" N | 750516.01200   | 2427804.86800 |
| CR6       | 83° 25' 32.77920" E     | 21° 56' 10.74938" N | 750556.20270   | 2427760.67900 |
| CR7       | 83° 25' 34.36004" E     | 21° 56' 9.38705" N  | 750602.24250   | 2427719.48400 |
| CR8       | 83° 25' 35.28840" E     | 21° 56' 8.63987" N  | 750629.25390   | 2427696.91800 |
| CR9       | 83° 25' 36.53214" E     | 21° 56' 7.72222" N  | 750665.40130   | 2427669.25100 |
| CR10      | 83° 25' 48.83932" E     | 21° 55' 58.44495" N | 751023.19303   | 2427389.42396 |
| CR11      | 83° 25' 52.68363" E     | 21° 55' 55.61076" N | 751134.92560   | 2427303.97700 |

BOUNDING AREA OF MGR RAILWAY LINE IN REVENUE FOREST VILLAGE - REGRA

| SL. NO. | KHASRA NO. | CATEGORY               | AREA IN HECTARES |
|---------|------------|------------------------|------------------|
| 1       | 1          | CHHOTE JHAAD KE JANGAL | 0.551            |
| 2       | 240        | CHHOTE JHAAD KE JANGAL | 0.789            |
| 3       | 196        | CHHOTE JHAAD KE JANGAL | 0.399            |
| 4       | 148        | CHHOTE JHAAD KE JANGAL | 0.684            |

Legend

- Centre Line Pillar of Railway Line
- Revenue Forest Area Boundary Pillar
- Proposed MGR Railway Line
- MGR Line Under Revenue forest Area

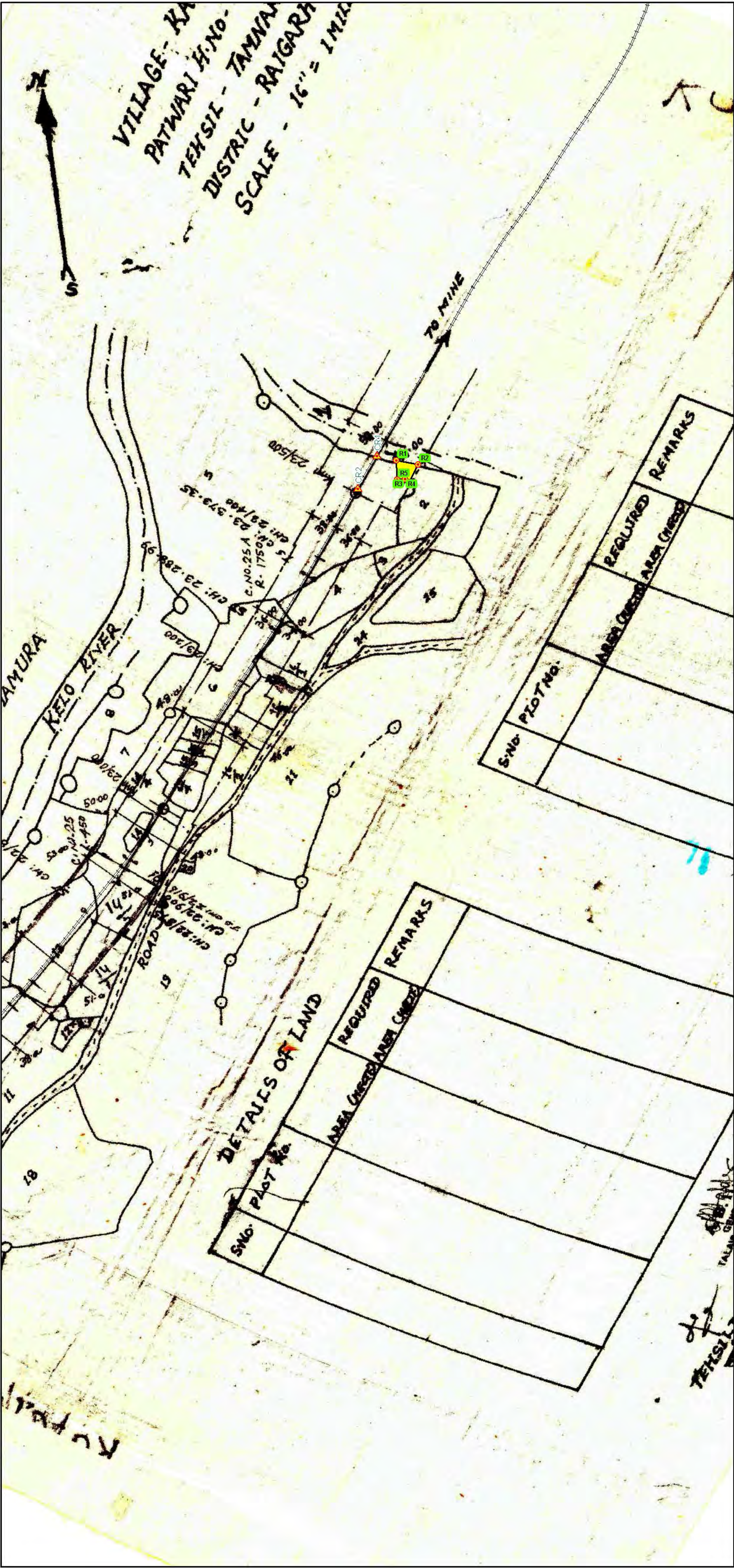
Scale

1 : 4000

0 40 80 160 240 320 400 Mtr



MAP SHOWING MERRY-GO-ROUND (MGR) RAILWAY LINE FOR TALAIPALLI COAL MINING PROJECT AND THEIR COORDINATES, RAIGARH, CHHATTISGARH, REVENUE FOREST OF KANTA JHARIYA VILLAGE



| BOUNDING AREA COORDINATES OF MGR RAILWAY LINE IN REVENUE FOREST |                         |                    |                |               |
|-----------------------------------------------------------------|-------------------------|--------------------|----------------|---------------|
| PILLAR NO                                                       | GEOGRAPHICAL COORDINATE |                    | UTM COORDINATE |               |
|                                                                 | LONGITUDE               | LATITUDE           | EASTING        | NORTHING      |
| R1                                                              | 83° 24' 47.93609" E     | 22° 3' 33.63420" N | 749053.93136   | 2441366.09305 |
| R2                                                              | 83° 24' 48.98491" E     | 22° 3' 33.43780" N | 749084.10602   | 2441360.52674 |
| R3                                                              | 83° 24' 48.55511" E     | 22° 3' 32.65324" N | 749072.16209   | 2441336.19390 |
| R4                                                              | 83° 24' 48.34316" E     | 22° 3' 32.78294" N | 749066.02036   | 2441340.08807 |
| R5                                                              | 83° 24' 47.96463" E     | 22° 3' 32.77309" N | 749055.16923   | 2441339.61307 |

| Centre Line Pillar Coordinate of Railway Line |                         |                    |                |               |
|-----------------------------------------------|-------------------------|--------------------|----------------|---------------|
| PILLAR NO                                     | GEOGRAPHICAL COORDINATE |                    | UTM COORDINATE |               |
|                                               | LONGITUDE               | LATITUDE           | EASTING        | NORTHING      |
| CR1                                           | 83° 24' 46.99189" E     | 22° 3' 33.87946" N | 749026.73336   | 2441373.21040 |
| CR2                                           | 83° 24' 46.04911" E     | 22° 3' 32.41667" N | 749000.40763   | 2441327.77822 |

| BOUNDING AREA OF MGR RAILWAY LINE IN REVENUE FOREST VILLAGE - KANTA JHARIYA |            |                        |                  |
|-----------------------------------------------------------------------------|------------|------------------------|------------------|
| SL. NO.                                                                     | KHASRA NO. | CATEGORY               | AREA IN HECTARES |
| 1                                                                           | 2          | CHHOJE JHAAD KE JANGAL | 0.060            |

| Legend |                                     |
|--------|-------------------------------------|
|        | Centre Line Pillar of Railway Line  |
|        | Revenue Forest Area Boundary Pillar |
|        | Proposed MGR Railway Line           |
|        | MGR Line Under Revenue forest Area  |

| Scale    |  |
|----------|--|
| 1 : 4000 |  |
|          |  |



DGPS Survey Conducted & Map Prepared By

छत्तीसगढ़ अंतरिक्ष उपयोग केन्द्र

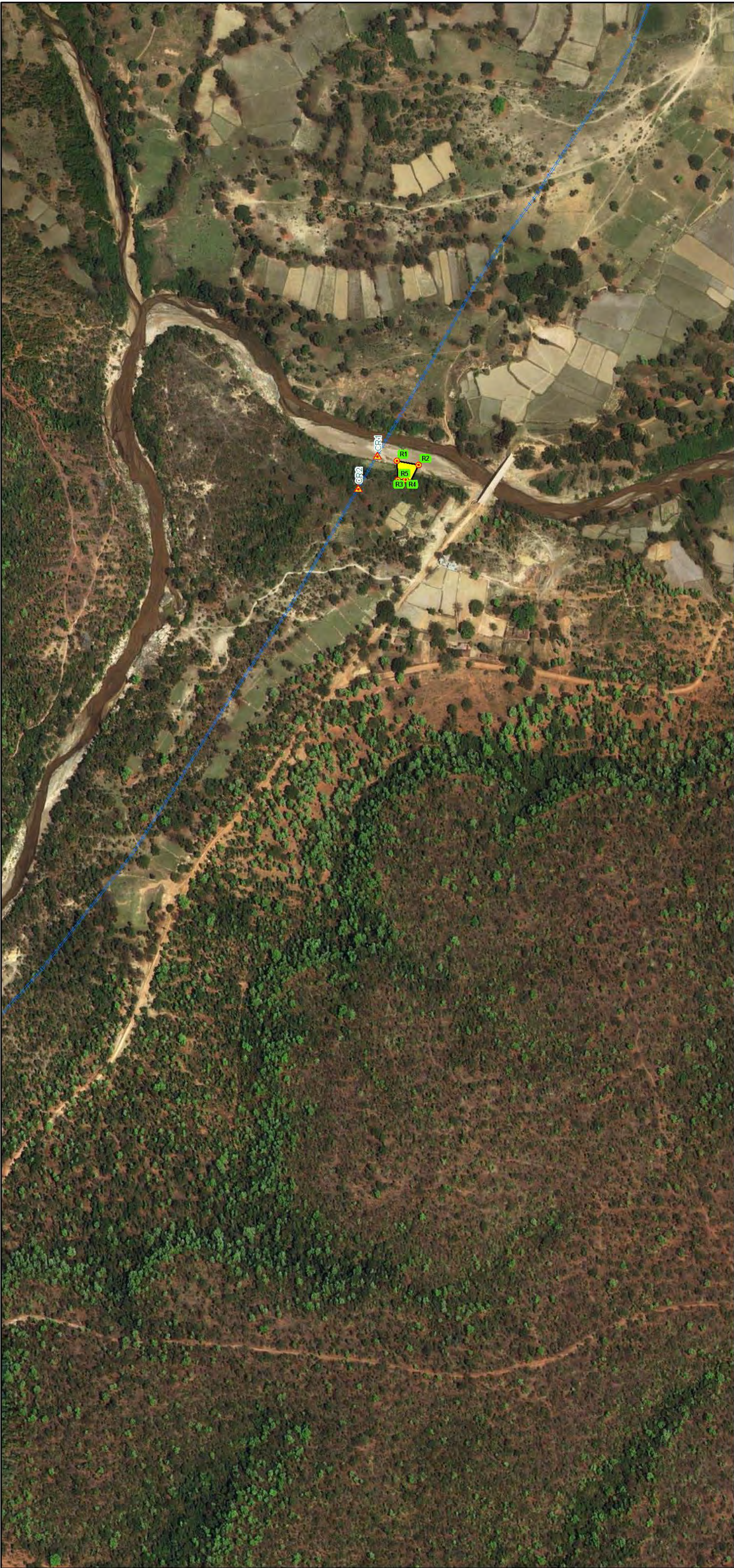
Chhattisgarh Council of Science & Technology

Vigyan Bhavan, Vidhan Sabha Road, Daldal Seoni

Raipur, (CG) Pin - 492014



MAP SHOWING MERRY-GO-ROUND (MGR) RAILWAY LINE SUPERIMPOSED ON HIGH RESOLUTION SATELLITE IMAGE  
FOR TALAIPALLI COAL MINING PROJECT AND THEIR COORDINATES, RAIGARH, CHHATTISGARH, REVENUE FOREST OF KANTA JHARIYA VILLAGE



| BOUNDING AREA COORDINATES OF MGR RAILWAY LINE IN REVENUE |                         |                    |                |               |
|----------------------------------------------------------|-------------------------|--------------------|----------------|---------------|
| PILLAR NO                                                | GEOGRAPHICAL COORDINATE |                    | UTM COORDINATE |               |
|                                                          | LONGITUDE               | LATITUDE           | EASTING        | NORTHING      |
| R1                                                       | 83° 24' 47.93609" E     | 22° 3' 33.63420" N | 749053.93136   | 2441366.09305 |
| R2                                                       | 83° 24' 48.98491" E     | 22° 3' 33.43780" N | 749084.10602   | 2441360.52674 |
| R3                                                       | 83° 24' 48.55511" E     | 22° 3' 32.65324" N | 749072.16209   | 2441336.19390 |
| R4                                                       | 83° 24' 48.34316" E     | 22° 3' 32.78294" N | 749066.02036   | 2441340.08807 |
| R5                                                       | 83° 24' 47.96463" E     | 22° 3' 32.77309" N | 749055.16923   | 2441339.61307 |

| CENTER LINE PILLAR COORDINATE OF RAILWAY LINE |                         |                    |                |               |
|-----------------------------------------------|-------------------------|--------------------|----------------|---------------|
| PILLAR NO                                     | GEOGRAPHICAL COORDINATE |                    | UTM COORDINATE |               |
|                                               | LONGITUDE               | LATITUDE           | EASTING        | NORTHING      |
| CR1                                           | 83° 24' 46.99189" E     | 22° 3' 33.87946" N | 749026.73336   | 2441373.21040 |
| CR2                                           | 83° 24' 46.04911" E     | 22° 3' 32.41667" N | 749000.40763   | 2441327.77822 |

| BOUNDING AREA OF MGR RAILWAY LINE IN REVENUE FOREST VILLAGE - KANTA JHARIYA |            |                        |                  |
|-----------------------------------------------------------------------------|------------|------------------------|------------------|
| SL. NO.                                                                     | KHASRA NO. | CATEGORY               | AREA IN HECTARES |
| 1                                                                           | 2          | CHHOTE JHAAD KE JANGAL | 0.060            |

| Legend |                                     |
|--------|-------------------------------------|
|        | Centre Line Pillar of Railway Line  |
|        | Revenue Forest Area Boundary Pillar |
|        | Proposed MGR Railway Line           |
|        | MGR Line Under Revenue forest Area  |

| Scale    |  |
|----------|--|
| 1 : 4000 |  |
|          |  |



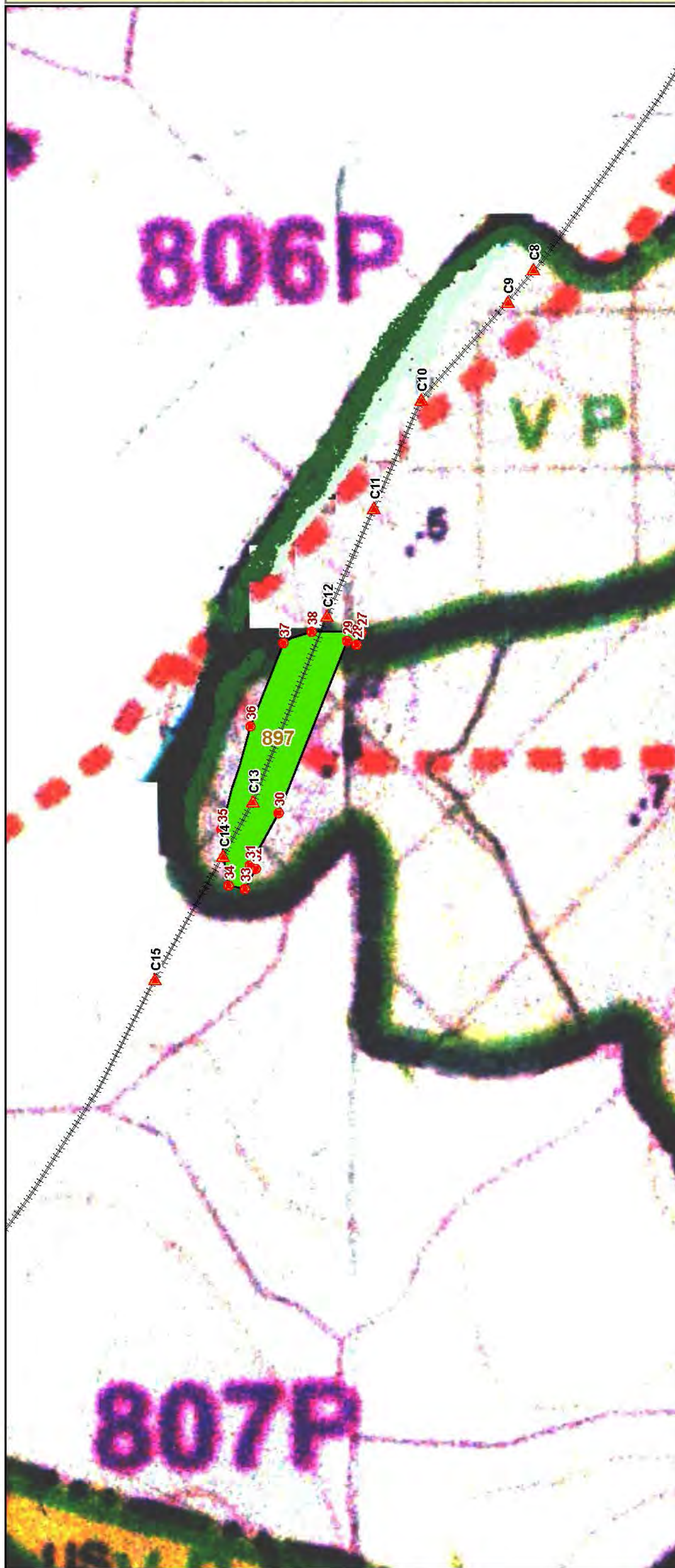
DGPS Survey Conducted & Map Prepared By

**छत्तीसगढ़ अंतरिक्ष उपयोग केन्द्र**

Chhattisgarh Council of Science & Technology  
Vigyan Bhavan, Vidhan Sabha Road, Daldal Seoni  
Raipur, (CG) Pin - 492014



# MAP SHOWING MERRY-GO-ROUND (MGR) RAILWAY LINE FOR TALAIPALLI COAL MINING PROJECT AND THEIR COORDINATES, RAIGARH, CHHATTISGARH, FOREST COMPARTMENT NO.- 897



SCALE

1:4000

0 125 250 Meters

INDEX

- Forest Area Boundary Pillar      Proposed MGR Railway Line  
 ▲ Centre Line Pillar of Railway Line      MGR Line Under PF & RF Area

## Bounding Area Coordinates of MGR Railway Line in Forest Compartment

### Forest Area Boundary Pillar Coordinates

| PILLAR NO | Geographic Coordinates |                    | UTM Coordinates |               |
|-----------|------------------------|--------------------|-----------------|---------------|
|           | LONGITUDE              | LATITUDE           | EASTING         | NORTHING      |
| 27        | 83° 24' 25.39714" E    | 22° 2' 59.13730" N | 748424.29236    | 2440294.54570 |
| 28        | 83° 24' 25.22056" E    | 22° 2' 58.74242" N | 748419.41980    | 2440282.31700 |
| 29        | 83° 24' 24.89878" E    | 22° 2' 58.86747" N | 748410.13010    | 2440286.01860 |
| 30        | 83° 24' 22.42758" E    | 22° 2' 53.34102" N | 748341.93630    | 2440114.87410 |
| 31        | 83° 24' 21.39914" E    | 22° 2' 51.66763" N | 748313.25160    | 2440062.92560 |
| 32        | 83° 24' 21.61088" E    | 22° 2' 51.55454" N | 748319.37940    | 2440059.54200 |
| 33        | 83° 24' 21.21651" E    | 22° 2' 50.91286" N | 748308.37987    | 2440039.62164 |
| 34        | 83° 24' 20.65634" E    | 22° 2' 51.02682" N | 748292.25824    | 2440042.87448 |
| 35        | 83° 24' 20.43886" E    | 22° 2' 52.84223" N | 748285.13973    | 2440098.62893 |
| 36        | 83° 24' 21.49710" E    | 22° 2' 56.15920" N | 748313.88177    | 2440201.15719 |
| 37        | 83° 24' 22.69207" E    | 22° 2' 58.83157" N | 748346.85737    | 2440283.91545 |
| 38        | 83° 24' 23.67755" E    | 22° 2' 59.18455" N | 748374.95052    | 2440295.22135 |

### Centre Line Pillar Coordinates of Railway Line

| PILLAR NO | Geographic Coordinates |                    | UTM Coordinates |               |
|-----------|------------------------|--------------------|-----------------|---------------|
|           | LONGITUDE              | LATITUDE           | EASTING         | NORTHING      |
| C8        | 83° 24' 31.55844" E    | 22° 3' 10.80359" N | 748595.33446    | 2440656.25984 |
| C9        | 83° 24' 30.64828" E    | 22° 3' 9.75572" N  | 748569.74027    | 2440623.60879 |
| C10       | 83° 24' 27.59835" E    | 22° 3' 6.63727" N  | 748483.78234    | 2440526.28575 |
| C11       | 83° 24' 25.90631" E    | 22° 3' 3.16957" N  | 748436.93802    | 2440418.83281 |
| C12       | 83° 24' 24.21483" E    | 22° 2' 59.70298" N | 748390.10829    | 2440311.41435 |
| C13       | 83° 24' 21.55016" E    | 22° 2' 53.74385" N | 748316.57556    | 2440126.87066 |
| C14       | 83° 24' 20.48703" E    | 22° 2' 52.01402" N | 748286.92330    | 2440073.17008 |
| C15       | 83° 24' 18.04791" E    | 22° 2' 48.04524" N | 748218.89159    | 2439949.96389 |

### Bounding Area of MGR Railway Line in Forest Compartment

| Compartment No. | Category | Area in Hectares |
|-----------------|----------|------------------|
| 897             | RF       | 1.349            |



DGPS SURVEY CONDUCTED & MAP PREPARED BY  
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