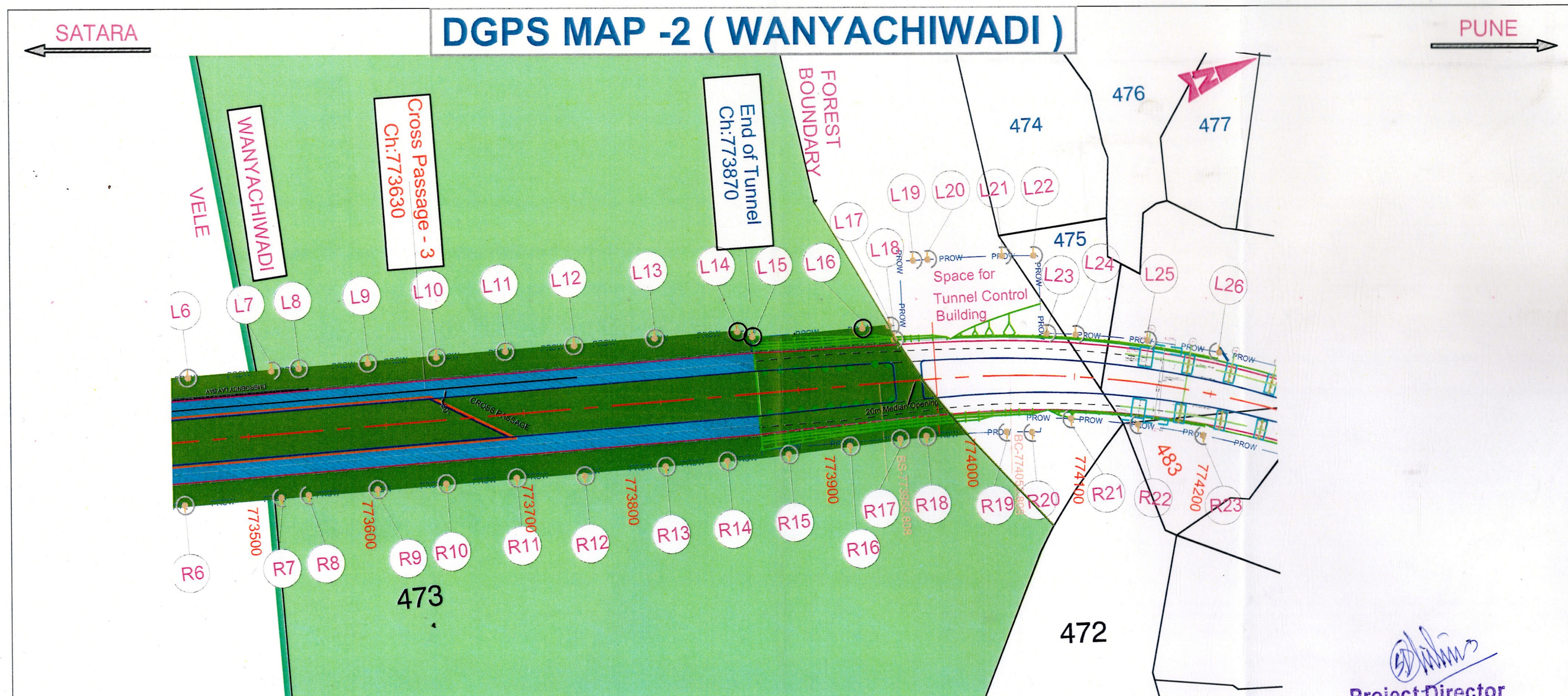




  
**Project Director**  
 National Highways Authority of India  
 Project Implementation Unit, Pune



| GEOGRAPHICAL CO-ORDINATES |                     |    |         |                     |     |        |           |                     |    |        |                     |     |        |           |
|---------------------------|---------------------|----|---------|---------------------|-----|--------|-----------|---------------------|----|--------|---------------------|-----|--------|-----------|
| S.NO                      | LHS                 |    |         |                     |     |        |           | RHS                 |    |        |                     |     |        |           |
|                           | LATITUDE (NORTHING) |    |         | LONGITUDE (EASTING) |     |        | POINT NO. | LATITUDE (NORTHING) |    |        | LONGITUDE (EASTING) |     |        | POINT NO. |
| 7                         | 18°                 | 1' | 6.28 "  | 73°                 | 59' | 55.59" | L7        | 18°                 | 1' | 5.41"  | 73°                 | 59' | 58.52" | R7        |
| 8                         | 18°                 | 1' | 6.90 "  | 73°                 | 59' | 55.79" | L8        | 18°                 | 1' | 6.04"  | 73°                 | 59' | 58.71" | R8        |
| 9                         | 18°                 | 1' | 8.45 "  | 73°                 | 59' | 56.29" | L9        | 18°                 | 1' | 7.59"  | 73°                 | 59' | 59.21" | R9        |
| 10                        | 18°                 | 1' | 10.01 " | 73°                 | 59' | 56.78" | L10       | 18°                 | 1' | 9.14"  | 73°                 | 59' | 59.71" | R10       |
| 11                        | 18°                 | 1' | 11.57 " | 73°                 | 59' | 57.27" | L11       | 18°                 | 1' | 10.70" | 74°                 | 0'  | 0.22"  | R11       |
| 12                        | 18°                 | 1' | 13.12 " | 73°                 | 59' | 57.77" | L12       | 18°                 | 1' | 12.25" | 74°                 | 0'  | 0.72"  | R12       |
| 13                        | 18°                 | 1' | 14.97 " | 73°                 | 59' | 58.35" | L13       | 18°                 | 1' | 14.11" | 74°                 | 0'  | 1.32"  | R13       |
| 14                        | 18°                 | 1' | 16.84 " | 73°                 | 59' | 58.96" | L14       | 18°                 | 1' | 15.49" | 74°                 | 0'  | 1.77"  | R14       |
| 15                        | 18°                 | 1' | 17.09 " | 73°                 | 59' | 59.22" | L15       | 18°                 | 1' | 16.89" | 74°                 | 0'  | 2.22"  | R15       |
| 16                        | 18°                 | 1' | 18.04 " | 73°                 | 59' | 59.51" | L16       | 18°                 | 1' | 18.29" | 74°                 | 0'  | 2.66"  | R16       |
| 17                        | 18°                 | 1' | 19.60 " | 73°                 | 59' | 0.02"  | L17       | 18°                 | 1' | 19.46" | 74°                 | 0'  | 2.82"  | R17       |
| 18                        | 18°                 | 1' | 20.23 " | 73°                 | 59' | 0.21"  | L18       | 18°                 | 1' | 20.08" | 74°                 | 0'  | 3.01"  | R18       |
| END OF FOREST             |                     |    |         |                     |     |        |           | END OF FOREST       |    |        |                     |     |        |           |
| 19                        | 18°                 | 1' | 21.29 " | 73°                 | 59' | 58.95" | L19       | 18°                 | 1' | 21.87" | 74°                 | 0'  | 3.64"  | R19       |
| 20                        | 18°                 | 1' | 21.62 " | 73°                 | 59' | 59.06" | L20       | 18°                 | 1' | 22.42" | 74°                 | 0'  | 3.88"  | R20       |
| 21                        | 18°                 | 1' | 23.29 " | 73°                 | 59' | 59.66" | L21       | 18°                 | 1' | 23.39" | 74°                 | 0'  | 3.93"  | R21       |
| 22                        | 18°                 | 1' | 23.96 " | 73°                 | 59' | 59.93" | L22       | 18°                 | 1' | 24.81" | 74°                 | 0'  | 4.67"  | R22       |
| 23                        | 18°                 | 1' | 23.59 " | 74°                 | 0'  | 1.80"  | L23       | 18°                 | 1' | 26.14" | 74°                 | 0'  | 5.51"  | R23       |
| 24                        | 18°                 | 1' | 24.20 " | 74°                 | 0'  | 2.09"  | L24       | -                   | -  | -      | -                   | -   | -      | -         |
| 25                        | 18°                 | 1' | 25.74 " | 74°                 | 0'  | 2.88"  | L25       | -                   | -  | -      | -                   | -   | -      | -         |
| 26                        | 18°                 | 1' | 27.21 " | 74°                 | 0'  | 3.79"  | L26       | -                   | -  | -      | -                   | -   | -      | -         |

| FOREST AREA STATEMENT |                 |                |               |                   |                  |
|-----------------------|-----------------|----------------|---------------|-------------------|------------------|
| S.No                  | Name of Village | Name of Taluka | Survey Number | Slope Area in Hec | Plan area in Hec |
| 1.                    | VELE            | WAI            | 1010          | 2.250             | 1.720            |
| 2.                    | WANYACHIWADI    | KHANDALA       | 473           | 5.010             | 4.180            |
| Total Area =          |                 |                |               | 7.260             | 5.900            |

| WANYACHIWADI VILLAGE | CHAINAGE | LHS                 |                     | CHAINAGE | RHS                 |                     |
|----------------------|----------|---------------------|---------------------|----------|---------------------|---------------------|
|                      |          | LATITUDE (NORTHING) | LONGITUDE (EASTING) |          | LATITUDE (NORTHING) | LONGITUDE (EASTING) |
| START OF FOREST      | 773520   | 18° 1' 6.25"        | 73° 59' 55.58"      | 773513   | 18° 1' 5.19"        | 73° 59' 58.44"      |
| END OF FOREST        | 773970   | 18° 1' 20.20"       | 74° 0' 0.19"        | 774020   | 18° 1' 20.96"       | 74° 0' 3.28"        |

**Legend :**  
 Proposed CL  
 Proposed ROW  
 Forest Diversion Area  
 Forest Area  
 Tunnel Area

**PROJECT TITLE :**  
 PREPARATION OF DETAILED PROJECT REPORT FOR CONSTRUCTION OF NEW 6-LANE TUNNEL IN KHAMBATKI GHAT SECTION INCLUDING APPROACHES FROM EX. KM. 771.730 TO KM. 782.000 IN PUNE-SATARA SECTION OF NH 4 IN THE STATE OF MAHARASHTRA