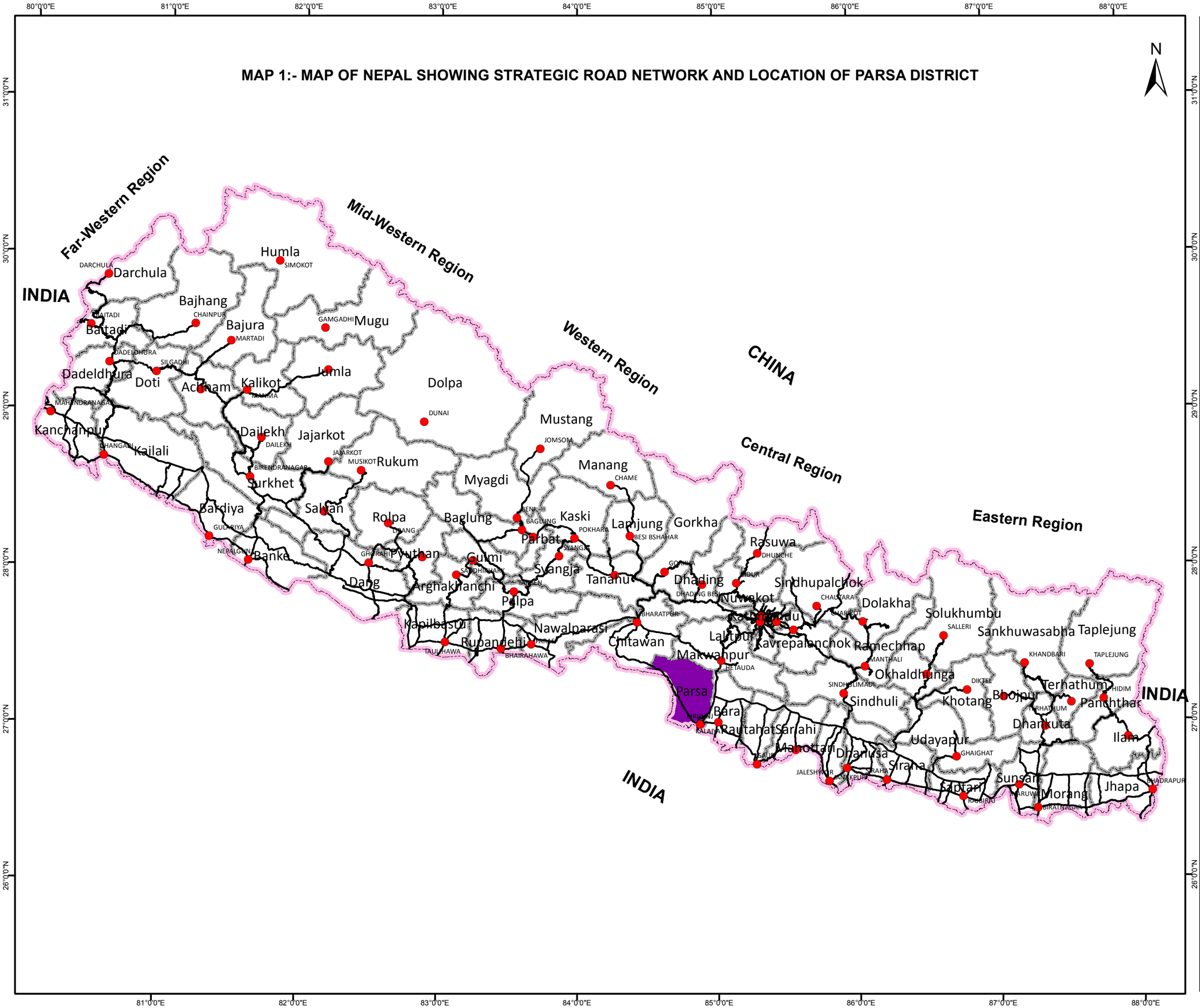
# MAP 1:- MAP OF NEPAL SHOWING STRATEGIC ROAD NETWORK AND LOCATION OF PARSA DISTRICT




## LEGEND

- District headquater
- Strategic roads
- International Boundary
- District Boundary
- DTMP District (Parsa)

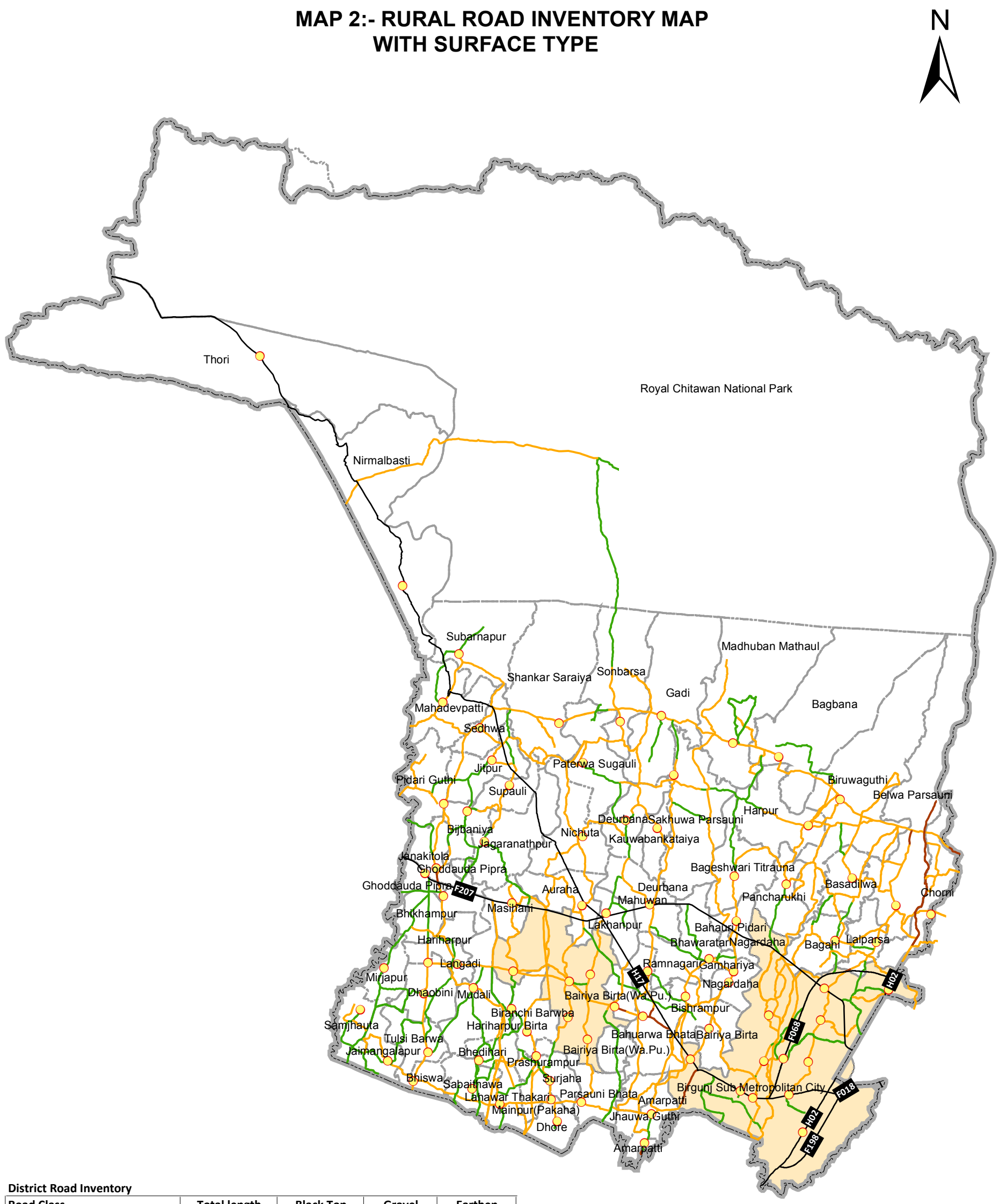
| Disrict Devlopment Committee, Parsa | |
|---|---|
| Project | Preparation of District Transport Master Plan |
| Technical Assistance | MoFALD, DoLIDAR, RAP 3 |
| Grant Supported By | Department For Internatioal Development (DFID) |
| Consultant | North Star Engineering Consultant (P) Ltd |
| Source | Department of Survey, GPS Survey, DoR, DoLIDAR |

| Project Coordinate System | |
|---|---|
| Projection | Transverse Mercator |
| False Easting | 500000.00 |
| False Northing | 0.00 |
| Central Meridian | 84.00 |
| Spheroid | Everest 1830 |
| Scale Factor | 0.9999 |

50 0 50 Kilometers

Scale 1:2,500,000

# MAP 2:- RURAL ROAD INVENTORY MAP WITH SURFACE TYPE




**District Road Inventory**

| Road Class | Total length | Black Top | Gravel | Earthen |
|---|---|---|---|---|
| **Strategic road network** | **121.32** | **37.82** | **18.00** | **65.50** |
| **Urban roads** | **-** | **-** | **-** | **-** |
| **District road core network** | **341.71** | 8.00 | 241.86 | 91.85 |
| **Village roads** | **378.34** | 7.95 | 239.89 | 130.50 |
| **Total** | **841.37** | **53.77** | **499.75** | **287.85** |

## Legend

- District Headquarters
- VDC Center
- Strategic Roads
- Municapility Boundary
- River
- Blacktop
- Earthen
- Gravel
- District Boundary
- VDC Boundary

**District Development Committee, Parsa**

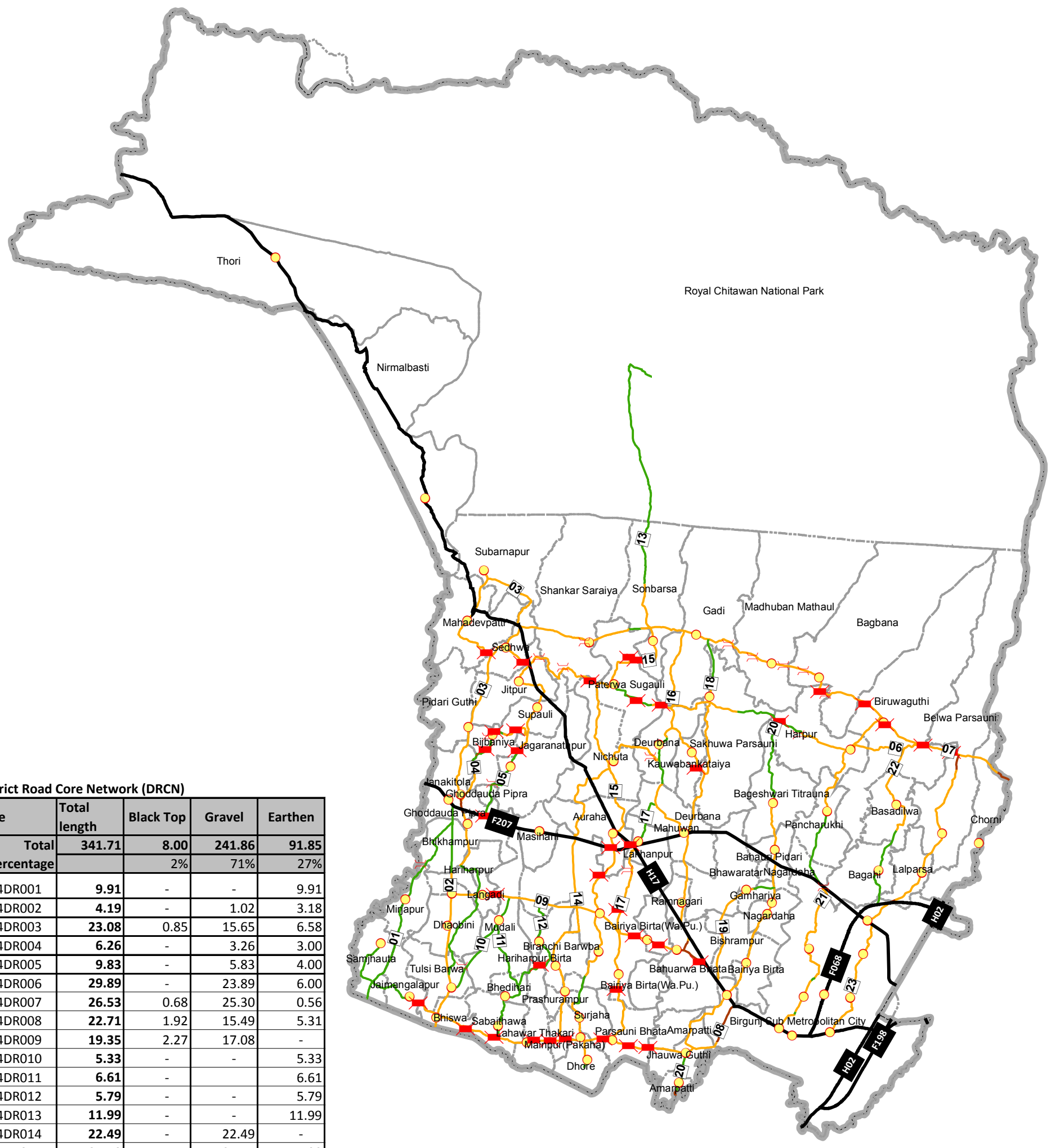
| | |
|---|---|
| **Project** | Preparation of District Transport Master Plan |
| **Technical Assistance** | MoFALD, DoLIDAR, RAP 3 |
| **Grant Supported By** | Department for Internatioal Development (DFID) |
| **Consultant** | North Star Engineering Consultant (P) Ltd |
| **Source** | Department of Survey, GPS Survey, DoR, DoLIDAR |

| Projection System | |
|---|---|
| Projection | Transverse Mercator |
| False Easting | 5000000.00 |
| False Northing | 0.00 |
| Center Meridian | 84 |
| Spheroid | Everest 1830 |
| Scale Facter | 0.9999 |

4,000 2,000 0 4,000 Meters

1:200,000

# MAP 3:- DISTRICT ROAD CORE NETWORK MAP WITH SURFACE TYPE




**District Road Core Network (DRCN)**

| Code | Total length | Black Top | Gravel | Earthen |
|---|---|---|---|---|
| Total | **341.71** | **8.00** | **241.86** | **91.85** |
| Percentage | | 2% | 71% | 27% |
| 34DR001 | **9.91** | - | - | 9.91 |
| 34DR002 | **4.19** | - | 1.02 | 3.18 |
| 34DR003 | **23.08** | 0.85 | 15.65 | 6.58 |
| 34DR004 | **6.26** | - | 3.26 | 3.00 |
| 34DR005 | **9.83** | - | 5.83 | 4.00 |
| 34DR006 | **29.89** | - | 23.89 | 6.00 |
| 34DR007 | **26.53** | 0.68 | 25.30 | 0.56 |
| 34DR008 | **22.71** | 1.92 | 15.49 | 5.31 |
| 34DR009 | **19.35** | 2.27 | 17.08 | - |
| 34DR010 | **5.33** | - | - | 5.33 |
| 34DR011 | **6.61** | - | | 6.61 |
| 34DR012 | **5.79** | - | - | 5.79 |
| 34DR013 | **11.99** | - | - | 11.99 |
| 34DR014 | **22.49** | - | 22.49 | - |
| 34DR015 | **27.70** | - | 25.71 | 1.99 |
| 34DR016 | **11.22** | - | 8.72 | 2.50 |
| 34DR017 | **12.66** | - | 10.10 | 2.56 |
| 34DR018 | **16.07** | 0.49 | 13.58 | 2.00 |
| 34DR019 | **6.29** | - | 5.29 | 1.00 |
| 34DR020 | **20.42** | 0.69 | 14.18 | 5.55 |
| 34DR021 | **18.38** | - | 14.38 | 4.00 |
| 34DR022 | **8.75** | - | 4.75 | 4.00 |
| 34DR023 | **16.24** | 1.10 | 15.15 | - |

## Legend

- District Headquarters
- VDC Center
- Strategic Roads
- Municapility Boundary
- Existing Bridge
- Proposed Bridge
- Blacktop
- Earthen
- Gravel
- District Boundary
- VDC Boundary
- River

**District Development Committee, Parsa**

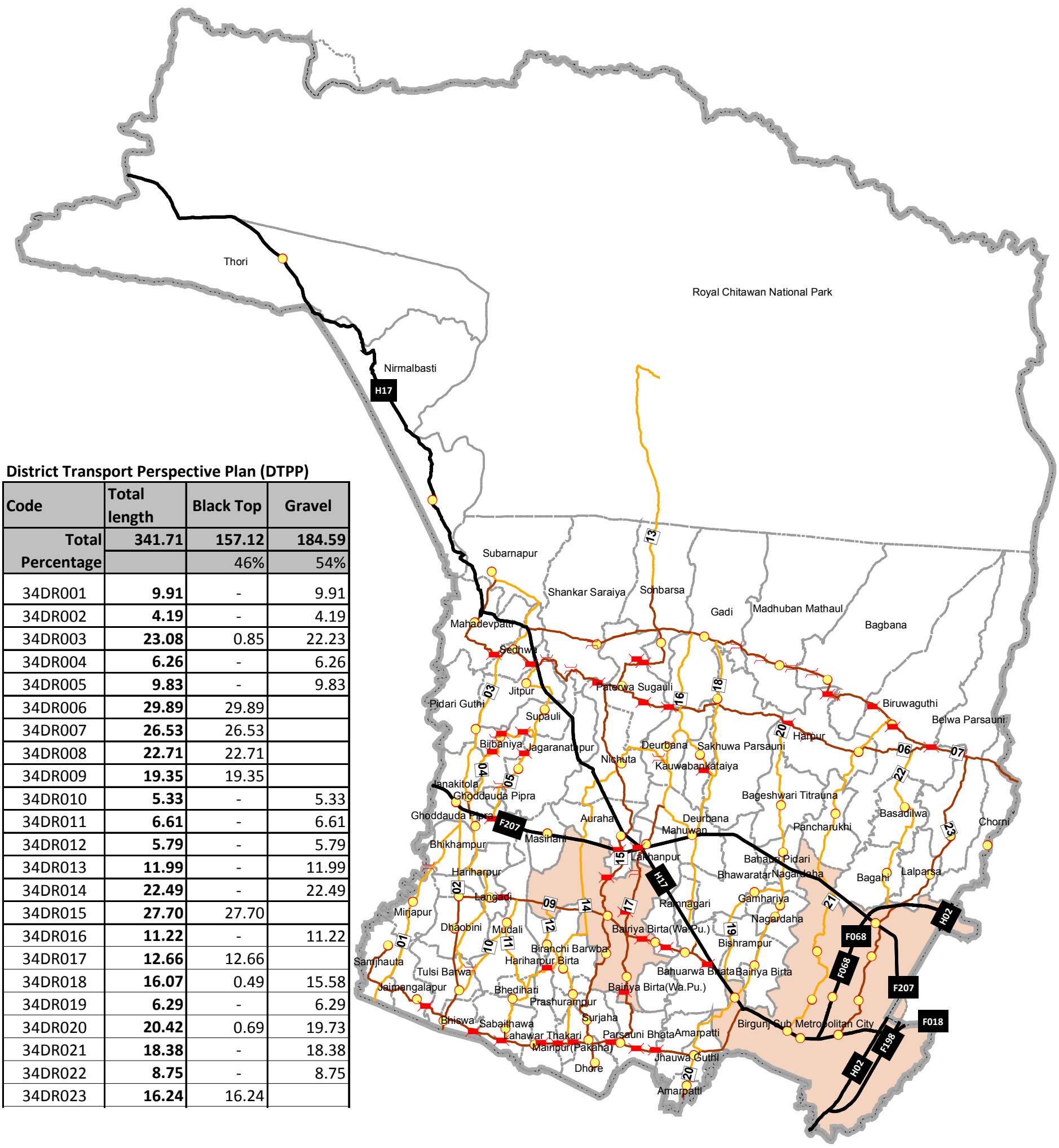
| | |
|---|---|
| **Project** | Preparation of District Transport Master Plan |
| **Technical Assistance** | MoFALD, DoLIDAR, RAP 3 |
| **Grant Supported By** | Department for Internatioal Development (DFID) |
| **Consultant** | North Star Engineering Consultant (P) Ltd |
| **Source** | Department of Survey, GPS Survey, DoR, DoLIDAR |

| Projection System | |
|---|---|
| Projection | Transverse Mercator |
| False Easting | 5000000.00 |
| False Northing | 0.00 |
| Center Meridian | 84 |
| Spheroid | Everest 1830 |
| Scale Facter | 0.9999 |

4,000 2,000 0 4,000 Meters

1:200,000

# MAP :- 4 DISTRICT TRANSPORT PERSPECTIVE PLAN MAP (DTPP) WITH SURFACE TYPES




**District Transport Perspective Plan (DTPP)**

| Code | Total length | Black Top | Gravel |
|---|---|---|---|
| Total | 341.71 | 157.12 | 184.59 |
| Percentage | | 46% | 54% |
| 34DR001 | 9.91 | - | 9.91 |
| 34DR002 | 4.19 | - | 4.19 |
| 34DR003 | 23.08 | 0.85 | 22.23 |
| 34DR004 | 6.26 | - | 6.26 |
| 34DR005 | 9.83 | - | 9.83 |
| 34DR006 | 29.89 | 29.89 | |
| 34DR007 | 26.53 | 26.53 | |
| 34DR008 | 22.71 | 22.71 | |
| 34DR009 | 19.35 | 19.35 | |
| 34DR010 | 5.33 | - | 5.33 |
| 34DR011 | 6.61 | - | 6.61 |
| 34DR012 | 5.79 | - | 5.79 |
| 34DR013 | 11.99 | - | 11.99 |
| 34DR014 | 22.49 | - | 22.49 |
| 34DR015 | 27.70 | 27.70 | |
| 34DR016 | 11.22 | - | 11.22 |
| 34DR017 | 12.66 | 12.66 | |
| 34DR018 | 16.07 | 0.49 | 15.58 |
| 34DR019 | 6.29 | - | 6.29 |
| 34DR020 | 20.42 | 0.69 | 19.73 |
| 34DR021 | 18.38 | - | 18.38 |
| 34DR022 | 8.75 | - | 8.75 |
| 34DR023 | 16.24 | 16.24 | |

**Legend**

- District Headquarters
- VDC Center
- Strategic Roads
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- Existing Bridge
- Proposed Bridge
- Blacktop
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- Gravel
- District Boundary
- VDC Boundary
- River

**District Development Committee, Parsa**

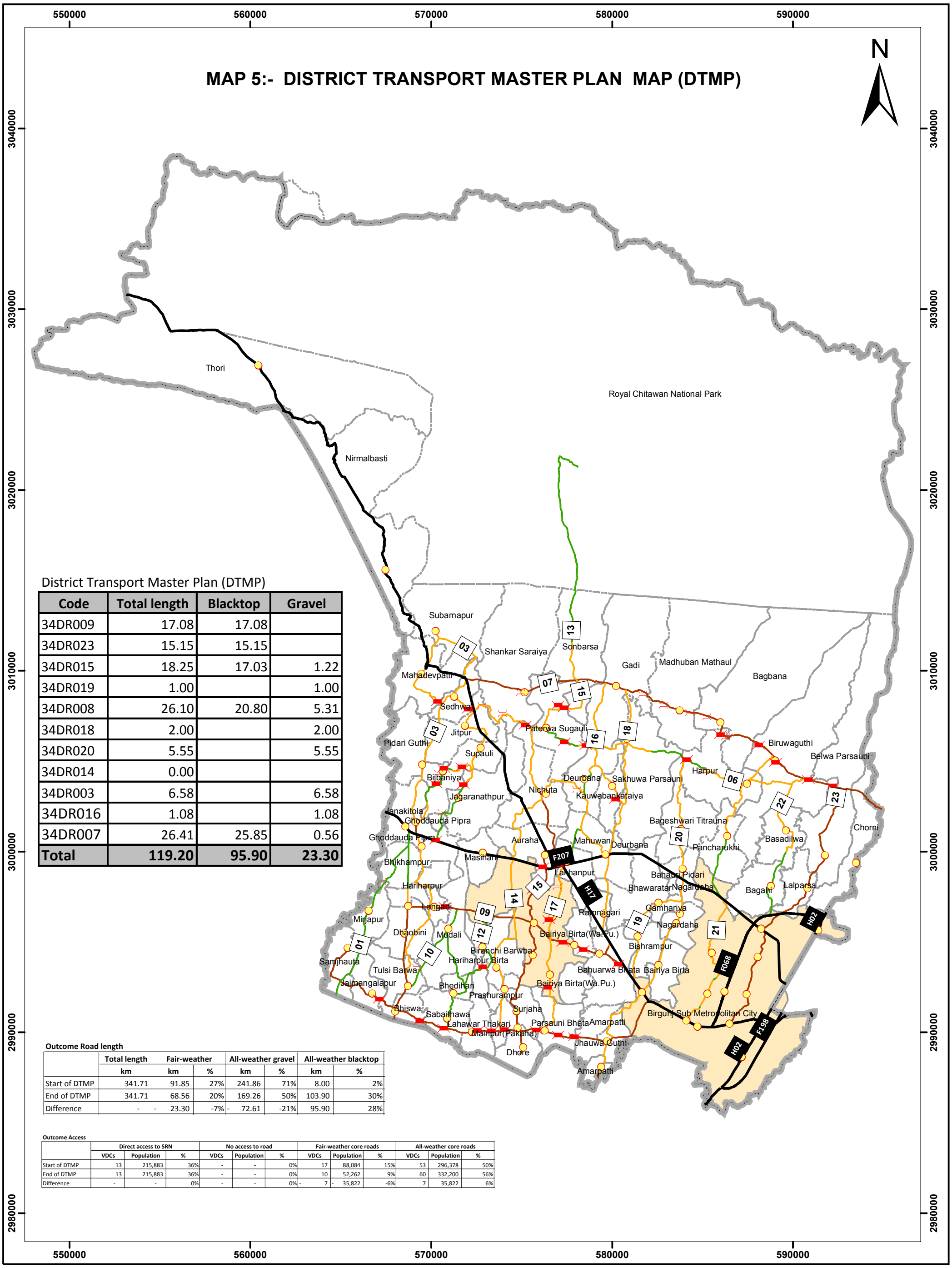
| | |
|---|---|
| Project | Preparation of District Transport Master Plan |
| Technical Assistance | MoFALD, DoLIDAR, RAP 3 |
| Grant Supported By | Department for Internatioal Development (DFID) |
| Consultant | North Star Engineering Consultant (P) Ltd |
| Source | Department of Survey, GPS Survey, DoR, DoLIDAR |

| Projection System | |
|---|---|
| Projection | Transverse Mercator |
| False Easting | 5000000.00 |
| False Northing | 0.00 |
| Center Meridian | 84 |
| Spheroid | Everest 1830 |
| Scale Facter | 0.9999 |

4,000 2,000 0 4,000 Meters

1:200,000

# MAP 5:- DISTRICT TRANSPORT MASTER PLAN MAP (DTMP)




District Transport Master Plan (DTMP)

| Code | Total length | Blacktop | Gravel |
|---|---|---|---|
| 34DR009 | 17.08 | 17.08 | |
| 34DR023 | 15.15 | 15.15 | |
| 34DR015 | 18.25 | 17.03 | 1.22 |
| 34DR019 | 1.00 | | 1.00 |
| 34DR008 | 26.10 | 20.80 | 5.31 |
| 34DR018 | 2.00 | | 2.00 |
| 34DR020 | 5.55 | | 5.55 |
| 34DR014 | 0.00 | | |
| 34DR003 | 6.58 | | 6.58 |
| 34DR016 | 1.08 | | 1.08 |
| 34DR007 | 26.41 | 25.85 | 0.56 |
| **Total** | **119.20** | **95.90** | **23.30** |

**Outcome Road length**

| | Total length | Fair-weather | | All-weather gravel | | All-weather blacktop | |
|---|---|---|---|---|---|---|---|
| | km | km | % | km | % | km | % |
| Start of DTMP | 341.71 | 91.85 | 27% | 241.86 | 71% | 8.00 | 2% |
| End of DTMP | 341.71 | 68.56 | 20% | 169.26 | 50% | 103.90 | 30% |
| Difference | - | - 23.30 | -7% | - 72.61 | -21% | 95.90 | 28% |

**Outcome Access**

| | Direct access to SRN | | | No access to road | | | Fair-weather core roads | | | All-weather core roads | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | VDCs | Population | % | VDCs | Population | % | VDCs | Population | % | VDCs | Population | % |
| Start of DTMP | 13 | 215,883 | 36% | - | - | 0% | 17 | 88,084 | 15% | 53 | 296,378 | 50% |
| End of DTMP | 13 | 215,883 | 36% | - | - | 0% | 10 | 52,262 | 9% | 60 | 332,200 | 56% |
| Difference | - | - | 0% | - | - | 0% | - 7 | - 35,822 | -6% | 7 | 35,822 | 6% |

## Legend

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**District Development Committee, Parsa**

| | |
|---|---|
| **Project** | Preparation of District Transport Master Plan |
| **Technical Assistance** | MoFALD, DoLIDAR, RAP 3 |
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| **Source** | Department of Survey, GPS Survey, DoR, DoLIDAR |

| Projection System | |
|---|---|
| Projection | Transverse Mercator |
| False Easting | 5000000.00 |
| False Northing | 0.00 |
| Center Meridian | 84 |
| Spheroid | Everest 1830 |
| Scale Facter | 0.9999 |

3,800 1,900 0 3,800 Meters

1:190,000