## Tower Schedule of 66kV Nari road - Bhavnagar City line

| Sr. No. | Location No. | Tower span (in meter) | Section Length (in meter) | Type of structure | Type of H Frame / Tower | Type of Conductor | Type of String/Hardware (S/S,D/S,S/T,D/T) | SRI PER TOWER | Suspension SRI | Tension SRI | S.S. H\W | D.S. H\W | S.T. H\W | D.T. H\W | PA ROD | Damper | Mid Span joint | Repair sleeve | T Clamp HTLS to Zebra | Press type palm Connector for HTLS W/O Hole | Crossing Details |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Gantry at 66kV Nari Road SS | | | | | Dog | T | 3 | 0 | 3 | 0 | 0 | 3 | 0 | 0 | 3 | 0 | 0 | 3 | 6 | |
| | | 54.9 | | | | | | | | | | | | | | | | | | | |
| | T001 | | 54.9 | D/C Tower | C | Dog | DT (City side), T(Nari side) | 12 | 0 | 12 | 0 | 0 | 0 | 6 | 0 | 6 | 0 | 0 | 0 | 0 | **LILO Tower, D/C tower in water logging creek area** |
| | | 145.9 | | | | | | | | | | | | | | | | | | | 11kV line cross |
| | T002 | | 145.9 | D/C Tower | C | Dog | DT (Nari side), T(City side) | 12 | 0 | 12 | 0 | 0 | 0 | 6 | 0 | 6 | 0 | 0 | 0 | 0 | **D/C tower in water logging creek area** |
| | | 194.6 | | | | | | | | | | | | | | | | | | | |
| | T003 | | | D/C Tower | A | Dog | S | 6 | 6 | 0 | 0 | 3 | 0 | 0 | 3 | 6 | 0 | 0 | 0 | 0 | **D/C tower in water logging creek area** |
| | | 262.5 | | | | | | | | | | | | | | | | | | | |
| | T004 | | 457.1 | D/C Tower | B | Dog | DT (City side), T(Nari side) | 12 | 0 | 12 | 0 | 0 | 0 | 6 | 0 | 6 | 0 | 0 | 0 | 0 | **D/C tower in water logging creek area** |
| | | 167 | | | | | | | | | | | | | | | | | | | |
| | T005 | | 167 | D/C Tower | C | Dog | DT (Nari side), T(City side) | 12 | 0 | 12 | 0 | 0 | 0 | 6 | 0 | 6 | 0 | 0 | 0 | 0 | |
| | | 159.1 | | | | | | | | | | | | | | | | | | | LT line cross, Nari road rough road cross, **D/C tower in water logging creek area, Road Cross** |
| | T006 | | 159.1 | D/C Tower | C | Dog | T | 12 | 0 | 12 | 0 | 0 | 0 | 6 | 0 | 6 | 0 | 0 | 0 | 0 | |
| | | 243.6 | | | | | | | | | | | | | | | | | | | **Residential Houses cross**, LT line cross, Nari road rough road cross |
| | T007 | | | D/C Tower | A | Dog | S | 6 | 6 | 0 | 0 | 3 | 0 | 0 | 3 | 6 | 0 | 0 | 0 | 0 | |
| | | 276.6 | | | | | | | | | | | | | | | | | | | **Residential Houses cross**, 11kV line cross, LT line cross, Nari road rough road cross, Nari road cross |
| | T008 | | 520.2 | D/C Tower | C | Dog | DT (City side), T(Nari side) | 12 | 0 | 12 | 0 | 0 | 0 | 6 | 0 | 6 | 0 | 0 | 0 | 0 | |
| | | 184.2 | | | | | | | | | | | | | | | | | | | **Kumbharwada-Nari road cross**, **Maszid cross**, 11kV line cross, Nari rough road cross, Maszid |
| | T009 | | 184.2 | D/C Tower | C | Dog | DT (Nari side), T(City side) | 12 | 0 | 12 | 0 | 0 | 0 | 6 | 0 | 6 | 0 | 0 | 0 | 0 | |
| | | 299.9 | | | | | | | | | | | | | | | | | | | |
| | T010 | | | D/C Tower | A | Dog | S | 6 | 6 | 0 | 0 | 3 | 0 | 0 | 3 | 6 | 0 | 0 | 0 | 0 | **D/C tower in water logging creek area** |
| | | 326.3 | | | | | | | | | | | | | | | | | | | |
| | T011 | | | D/C Tower | A | Dog | DS | 6 | 6 | 0 | 0 | 3 | 0 | 0 | 3 | 6 | 0 | 0 | 0 | 0 | **D/C tower in water logging creek area** |
| | | 154.3 | | | | | | | | | | | | | | | | | | | |
| | T012 | | 780.5 | D/C Tower | C | Dog | DT | 12 | 0 | 12 | 0 | 0 | 0 | 6 | 0 | 6 | 0 | 0 | 0 | 0 | |
| | | 277.2 | | | | | | | | | | | | | | | | | | | Nari road cross |
| | T013 | | 277.2 | D/C Tower | C | Dog | DT (Nari side), T(City side) | 12 | 0 | 12 | 0 | 0 | 0 | 6 | 0 | 6 | 0 | 0 | 0 | 0 | |
| | | 250.3 | | | | | | | | | | | | | | | | | | | Nari rough road cross, **Residential Houses cross** |
| | T014 | | | D/C Tower | A | Dog | S | 6 | 6 | 0 | 0 | 3 | 0 | 0 | 3 | 6 | 0 | 0 | 0 | 0 | |
| | | 267.9 | | | | | | | | | | | | | | | | | | | Nari rough road cross, **Residential Houses cross** |
| | T015 | | | D/C Tower | A | Dog | S | 6 | 6 | 0 | 0 | 3 | 0 | 0 | 3 | 6 | 0 | 0 | 0 | 0 | |
| | | 263.2 | | | | | | | | | | | | | | | | | | | |
| | T016 | | 781.4 | D/C Tower | C | Dog | T | 12 | 0 | 12 | 0 | 0 | 0 | 6 | 0 | 6 | 0 | 0 | 0 | 0 | |
| | | 269.8 | | | | | | | | | | | | | | | | | | | Nari rough road cross, **Residential houses cross** |
| | T017 | | 269.8 | D/C Tower | C | Dog | T | 12 | 0 | 12 | 0 | 0 | 0 | 6 | 0 | 6 | 0 | 0 | 0 | 0 | |
| | | 204.7 | | | | | | | | | | | | | | | | | | | Temple, Nari rough road cross, **Residential houses cross** |
| | T018 | | 204.7 | D/C Tower | B | Dog | DT(City Side), T(Nari Side) | 12 | 0 | 12 | 0 | 0 | 0 | 6 | 0 | 6 | 0 | 0 | 0 | 0 | |
| | | 205.7 | | | | | | | | | | | | | | | | | | | **Bhavnagar Nari road cross**, Canal cross, 11kV line cross |
| | T019 | | 205.7 | D/C Tower | C | Dog | DT | 12 | 0 | 12 | 0 | 0 | 0 | 6 | 0 | 6 | 0 | 0 | 0 | 0 | |
| | | 169.1 | | | | | | | | | | | | | | | | | | | **Railway track cross**, Bhavnagar road cross, LT line cross |
| | T020 | | 169.1 | D/C Tower | C | Dog | DT | 12 | 0 | 12 | 0 | 0 | 0 | 6 | 0 | 6 | 0 | 0 | 0 | 0 | |
| | | 119 | | | | | | | | | | | | | | | | | | | |
| | T021 | | 119 | D/C Tower | C | Dog | DT (Nari Side), T (City Side) | 9 | 0 | 9 | 0 | 0 | 3 | 3 | 0 | 6 | 0 | 0 | 0 | 0 | |
| | | 29.9 | | | | | | | | | | | | | | | | | | | |
| | Gantry at 66kV Bhavnagar City SS | | 29.9 | | | Dog | | 3 | 0 | 3 | 0 | 0 | 3 | 0 | 0 | 3 | 0 | 0 | 3 | 6 | |

| Sr. No. | Location No. | Tower span (in meter) | Section Length (in meter) | Type of structure | Type of H Frame / Tower | Type of Conductor | Type of String/Hardware (S/S,D/S,S/T,D/T) | SRI PER TOWER | Suspension SRI | Tension SRI | S.S. H\W | D.S. H\W | S.T. H\W | D.T. H\W | PA ROD | Damper | Mid Span joint | Repair sleeve | T Clamp HTLS to Zebra | Press type palm Connector for HTLS W/O Hole | Crossing Details |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 4525.7 | 4525.7 | | | | | 219 | 36 | 183 | 0 | 18 | 9 | 87 | 18 | 132 | 6 | 6 | 6 | 12 | |
| | | | | | | | | Additional Quantity | 6 | 9 | 3 | 1 | 3 | 3 | 6 | 6 | 0 | 0 | 0 | 0 | |
| | | | | | | | | Final Quantity | 42 | 192 | 3 | 19 | 12 | 90 | 24 | 138 | 6 | 6 | 6 | 12 | |

**Summary**

| Line name | 66kV Nari road-Bhavnagar City line |
|---|---|
| Line length RKM | 4.526 |
| Add 0.5% Sag and jumper | 0.0226285 |
| Total conductor required | 13.645 |

40.9349565