## POLE SCHEDULE

**Estimate for Supply, Installation, Testing & Commissioning for Conversion of (1)D/C 66kV Bhimarad-NCF-Tap Vesu old line 1&2 Conductor into equivalent HTLS Conductor (Equivalent weight of DOG Conductor with Higher Ampacity) of Navsari Circle**

| | | | | | | | Material Required For HTLS Conductor Stringing | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sr. No.** | **Loc. No.** | **H-Frame / Tower** | **Type of Tower / H-Frame** | **Line Configuration S/C / D/C** | **Span (Mtr)** | **Work Coldline / Hotline** | **Conductor** | **66KV Susp. SRI** | **66KV Tension SRI** | **Single Tension H/W** | **Single Suspension H/W** | **Double Tension H/W** | **Double Suspension H/W** | **PA Rod** | **Vibration Damper** | **Mid Span Jointsr** | **Repair Sleeve** | **T connector wih pad** | **Jumper terminal w/o hole with suitable N&B** | **Crossing details** |
| | | | | | | | **Mtr** | **No** | **No** | **Set** | **Set** | **Set** | **Set** | **Set** | **No** | **No** | **No** | | | |
| | **Gentry 66kV Bhimarad** | | **SS** | Double Ckt. | 32 | Hotline | 192 | | 6 | 6 | | | | | 6 | | | 6 | 12 | |
| 1 | 37A | Tower | **T** | Double Ckt. | 145 | Hotline | 870 | | 12 | 12 | | | | | 12 | | | | | |
| 2 | 37B | Tower | **T** | Double Ckt. | 200 | Hotline | 1200 | | 12 | 12 | | | | | 12 | | | | | Khadi crossing |
| 3 | 37 | Tower | **T** | Double Ckt. | 261 | Hotline | 1566 | | 12 | 12 | | | | | 12 | | | | | |
| 4 | 38 | Tower | **T** | Double Ckt. | 143 | Hotline | 858 | | 12 | 12 | | | | | 12 | | | | | Khadi crossing |
| 5 | 39 | Tower | **DS** | Double Ckt. | 246 | Hotline | 1476 | 12 | | | | | 6 | 6 | 12 | | | | | SMC Internal road crossing |
| 6 | 40 | Tower | **DS** | Double Ckt. | 214 | Hotline | 1284 | 12 | | | | | 6 | 6 | 12 | | | | | |
| 7 | 41 | Tower | **T** | UG Cable | 750 | Hotline | | | 12 | 12 | | | | | 12 | | | 6 | 12 | UG cable |
| 8 | 42A | Tower | **T** | Double Ckt. | 35 | Hotline | 210 | | 12 | 12 | | | | | 12 | | | 6 | 12 | |
| 9 | 42 | Tower | **T** | Double Ckt. | 224 | Hotline | 1344 | | 18 | 6 | | 6 | | | 12 | | | | | SMC internal Road crossing |
| 10 | 43 | Tower | **S** | Double Ckt. | 251 | Hotline | 1506 | 12 | | | | | 6 | 6 | 6 | | | | | |
| 11 | 44 | Tower | **S** | Double Ckt. | 267 | Hotline | 1602 | 12 | | | | | 6 | 6 | 6 | | | | | SMC internal Road crossing |
| 12 | 42 | Tower | **S** | Double Ckt. | 265 | Hotline | 1590 | 12 | | | | | 6 | 6 | 6 | | | | | |
| 13 | 46 | Tower | **S** | Double Ckt. | 266 | Hotline | 1596 | 6 | | | 6 | | | 6 | 6 | | | | | |
| 14 | 47 | Tower | **T** | Double Ckt. | 276 | Hotline | 1656 | | 12 | 12 | | | | | 12 | 6 | 6 | | | |
| 15 | 48 | Tower | **S** | Double Ckt. | 262 | Hotline | 1572 | 6 | | | 6 | | | 6 | 6 | | | | | |
| 16 | 49 | Tower | **S** | Double Ckt. | 285 | Hotline | 1710 | 6 | | | 6 | | | 6 | 6 | | | | | |
| 17 | 50 | Tower | **S** | Double Ckt. | 275 | Hotline | 1650 | 12 | | | | | 6 | 6 | 6 | | | | | SMC internal Road crossing |
| 18 | 51 | Tower | **S** | Double Ckt. | 50 | Hotline | 300 | 12 | | | | | 6 | 6 | 6 | | | | | |
| 19 | 51A | Tower | **T** | UG Cable | 240 | Hotline | | | 6 | 6 | | | | | 6 | | | 6 | 12 | UG cable |
| 20 | 51B | Tower | **T** | Double Ckt. | 75 | Hotline | 450 | | 6 | 6 | | | | | 6 | | | 6 | 12 | Iternal road crossing |
| 21 | 52 | Tower | **S** | Double Ckt. | 140 | Hotline | 840 | 6 | | | 6 | | | 6 | 6 | | | | | |
| 22 | 53 | Tower | **T** | UG Cable | 700 | Hotline | | | 6 | 6 | | | | | 6 | | | 6 | 12 | UG cbale |
| 23 | 54 | Tower | **T** | Double Ckt. | 87 | Hotline | 521 | | 6 | 6 | | | | | 6 | | | 6 | 12 | Tapping Point to Vesu old |
| 24 | 55 | Tower | **T** | Double Ckt. | 260 | Hotline | 1560 | | 12 | 12 | | | | | 12 | | | | | Iternal road crossing |
| 25 | 56 | Tower | **T** | UG Cable | 1500 | Hotline | | | 6 | 6 | | | | | 6 | | | 6 | 12 | UG cable |
| 26 | 57 | Tower | **T** | Double Ckt. | 264 | Hotline | 1584 | | 12 | 12 | | | | | 12 | | | 6 | 12 | |
| 27 | 58 | Tower | **S** | Double Ckt. | 281 | Hotline | 1686 | 6 | | | 6 | | | 6 | 6 | | | | | |
| 28 | 59 | Tower | **S** | Double Ckt. | 290 | Hotline | 1740 | 6 | | | 6 | | | 6 | 6 | | | | | |
| 29 | 60 | Tower | **DS** | Double Ckt. | 176 | Hotline | 1056 | 12 | | | | | 6 | 6 | 12 | | | | | Dumas -Surat road cross |
| 30 | 61 | Tower | **DS** | Double Ckt. | 289 | Hotline | 1734 | 12 | | | | | 6 | 6 | 12 | | | | | |
| 31 | 62 | Tower | **S** | Double Ckt. | 190 | Hotline | 1140 | 12 | | | | | 6 | 6 | 6 | | | | | Internal road crossing |
| 32 | 63 | Tower | **S** | Double Ckt. | 275 | Hotline | 1650 | 12 | | | | | 6 | 6 | 6 | | | | | |
| 33 | 64 | Tower | **T** | Double Ckt. | 260 | Hotline | 1560 | | 12 | 12 | | | | | 12 | | | | | |
| 34 | 65 | Tower | **S** | Double Ckt. | 230 | Hotline | 1380 | 6 | | | 6 | | | 6 | 6 | | | | | |
| 35 | 66 | Tower | **T** | Double Ckt. | 70 | Hotline | 420 | | 6 | 6 | | | | | 6 | | | | | |
| 36 | NCF Gantry | Tower | | | | | | | 6 | 6 | | | | | 6 | 6 | 6 | 6 | 12 | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | **Total :-** | **9774** | | **39503** | **174** | **186** | **174** | **42** | **6** | **66** | **108** | **312** | **12** | **12** | **60** | **120** | |
| | | | **Add 0.5 % sag for conductor** | | | | **198** | | | | | | | | | | | | | |
| | | | **Total Conductor =** | | | | **39700** | | | | | | | | | | | | | |

| | **Span (Mtr)** | | **Conductor** | **66KV Susp. SRI** | **66KV Tension SRI** | **Single Tension H/W** | **Single Suspension H/W** | **Double Tension H/W** | **Double Suspension H/W** | **PA Rod** | **Vibration Damper** | **Mid Span Jointsr** | **Repair Sleeve** | **T connector wih pad** | **Jumper terminal w/o hole with suitable N&B** | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Additional Quantities | | | | 9 | 9 | 3 | 3 | 3 | 3 | 3 | 6 | 0 | 0 | 0 | 0 | |
| Final Quantities | | | | 183 | 195 | 177 | 45 | 9 | 69 | 111 | 318 | 12 | 12 | 60 | 120 | |

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| **Line length OH portion (S/C)** | **6.584** | **Rkm** |
| **Line length OH portion (D/C)** | **13.168** | **Ckm** |

| **Summary** | |
|---|---|
| Line name | D/C 66kV Bimarad-NCF Tap Vesu Old line |
| DOC | 03.12.2004 |
| Line length CKM | 13.168 |
| Type Structure S/C/D/C /H-frame | D/C tower |
| No of Single Suspension location | 14 |
| No of Double Suspension location | 4 |
| No of Single Tension location | 17 |
| No of Double Tension location | 0 |
| Cold Line Work - H-Frame | 0 |
| Cold Line Work - Tower | 0 |
| Hotline Work - Tower kM | 13.168 |