

Technical Specification for 33KV Polymer Pin Insulator

- i) Nominal system voltage : 33KV
- ii) Highest system voltage : 36KV
- iii) System Frequency : 50HZ
- iv) No of phase : 3
- v) Type of Insulator : Polymeric Composite Insulator
- vi) Material of FRP rod : Boron free ECR , Hydrolysis resistant
- vii) Material of shed : Silicon Rubber
- viii) Material of end fittings : SGCI/MCI
- ix) Dry flashover voltage : 130KV
- x) Wet Flashover Voltage : 90KV
- xi) Creepage Distance : 900mm
- xii) Min. failing Load : 10KN
- xiii) Dry power frequency withstand voltage : 95KV
- xiv) Wet Power frequency withstand voltage : 75KV
- xv) Power Frequency puncture withstand voltage : 180KV
- xvi) Polymer pin insulator shall be suitable for installation at 33KV overhead line having single rail pole structure employed with horizontal cross arm. ^(100x50mm) Diameter of hole made on existing cross arm for installation of insulators is 25mm .
- xvii) Guarantee : 12 months from the date of commissioning at site or 18months from the date of supply .
- xviii) Test report of insulators shall be furnished by the bidder alongwith the bid .



Technical Specification for 33KV Polymer Disc Insulator

- i) Nominal system voltage : 33KV
- ii) Highest system voltage : 36KV
- iii) System Frequency : 50HZ
- iv) No of phase : 3
- v) Type of Insulator : Polymeric Composite Insulator
- vi) Material of FRP rod : Boron free ECR , Hydrolysis resistant
- vii) Material of shed : Silicon Rubber
- viii) Material of end fittings : SGCI/MCI
- ix) Type of metal end fittings : Tongue & Clevis
- x) Dry flashover voltage : 130KV
- xi) Wet Flashover Voltage : 90KV
- xii) Creepage Distance : 900mm
- xiii) Min. failing Load : 70KN
- xiv) Dry power frequency withstand voltage : 95KV
- xv) Wet Power frequency withstand voltage : 75KV
- xvi) Power Frequency puncture withstand voltage : 180KV
- xvii) Polymer disc insulator shall be suitable for installation at 33KV overhead line having double rail pole structure .
- xviii) Guarantee : 12 months from the date of commissioning at site or 18months from the date of supply .
- xix) Test report of insulators shall be furnished by the bidder alongwith the bid .



Technical Specification for 33KV Polymer Post Insulator

- i) Nominal system voltage : 33KV
- ii) Highest system voltage : 36KV
- iii) System Frequency : 50HZ
- iv) No of phase : 3
- v) Type of Insulator : Polymeric Composite Insulator
- vi) Material of FRP rod : Boron free ECR , Hydrolysis resistant
- vii) Material of shed : Silicon Rubber
- viii) Material of end fittings : SGCI/MCI
- ix) Dry flashover voltage : 130KV
- x) Wet Flashover Voltage : 90KV
- xi) Creepage Distance : 900mm
- xii) Min. failing Load : 10KN
- xiii) Dry power frequency withstand voltage : 95KV
- xiv) Wet Power frequency withstand voltage : 75KV
- xv) Power Frequency puncture withstand voltage : 180KV
- xvi) Polymer post insulator shall be suitable for installation at 33KV overhead line having double rail pole structure
- xvii) Guarantee : 12 months from the date of commissioning at site or 18months from the date of supply.
- xviii) Test report of insulators shall be furnished by the bidder alongwith the bid .

