

Annexure - I

| SYSTEM PARAMETERS -STANDARD CONSIDERATION | | | | | | |
|---|--|--------------------------|--|---------------------------------|------------------------|-------------------------|
| Sr. No. | Description | 400 KV | 220kV | 132kV | 66kV (220/66kV S/S) | 66kV S/S (66/11 KV S/S) |
| 1 | Line conductor | Quad/Twin moose ACSR | Single Moose ACSR/AL-59 | Single Moose/Zebra/Panther ACSR | Single Panther/Dog | Single Panther/Dog |
| 2 | Line conductor height | 22.0 meter | 18.5 mtr. | 10 Mtr | 10 Mtr | 7 Mtr |
| 3 | Bus Conductor -Main Bus | Quadra moose ACSR | Quad/Twin moose ACSR | Twin Zebra ACSR | Twin Moose ACSR | Single Zebra |
| 4 | Bus Conductor -Transfer Bus | Twin moose/AL-59 ACSR | Twin moose ACSR | NA | NA | NA |
| 5 | Bus Conductor Flyover | Twin moose ACSR/AL59 | Twin moose ACSR/AL59 | Twin Zebra ACSR | Twin Zebra ACSR | NA |
| 6 | Bus height (Lower bus) | 15.6 meter | 12.5 mtr. | 7.25 mtr | 7 Mtr | 7 Mtr |
| 7 | Bus height (Upper bus Flyover) | 22.0 meter | 18.5 mtr | 10.0 mtr | 10 Mtr | NA |
| 8 | Sub-Conductor spacing | 450 mm | 350 mm | 350 mm | 350 mm | NA |
| 9 | Tension Insulator String | Twin 120 KN AF 25 nos. | Twin 120 KN AF 16 nos. | Twin 120 KN AF 10 nos. | Twin 90 KN AF 6 nos. | Single 90 KN AF 6 nos. |
| 10 | Suspension Insulator String | Single 120 KN AF 24 nos. | Single 120 KN AF 15 nos. | Single 120 KN AF 9 nos. | Single 90 KN AF 5 nos. | Single 90 KN AF 5 nos. |
| 11 | Earth wire | 7 / 3.66 GI | 7 / 3.15 GI | 7 / 3.15 GI | 7 / 3.15 GI | 7 / 3.15 GI |
| 12 | Earth wire height | 29.5 meter | 24.0 mtr. | 13.0 mtr | 13 Mtr | NA |
| 13 | Max. Span for Earth wire | 117 meter | 76.0 mtr. | 50.0 mtr | 23.8 Mtr | NA |
| 14 | Max. Span for Bus | 56 meter | 36.0 mtr | 36.0 mtr | 35 Mtr | 50 Mtr |
| 15 | Bus bar Scheme | 2 Main & Transfer | Main & Main Cum Transfer / 2 Main & Transfer | 1 Main Bus | 2 Main Bus | 1 Main Bus |
| 16 | Bay Width | 28 Mtr. | 18 Mtr. | 11.0 mtr | 7.3 Mtr | 7.772 Mtr |
| 17 | Equipment Ground Clearance (considered from foundation plinth) | 8.0 Mtr | 5.5 Mtr | 4.6 Mtr | 4 Mtr | 4 Mtr |
| 18 | DSLPP | Shield Wire | Shield Wire | Shield Wire | Shield Wire | LM |
| 19 | Earth Mat | IEEE-80 | | | | |