From : SSE / TRD / CAB / GTR

To : Sr.DEE / SUB / BCT

Sub : Details of replaced cables of Mumbai Sub urban Section.

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There are several traction cables are being replaced on age cum condition basis by cable depot grant road to improve the reliability of 22/2.2Kv system between CCG – BVI Section. Technical condition record of old cable (to be replaced) and new cable should be maintained in a register.

A ) Details of Cable to be replaced (old)

1. Section : BA S/S – TATA RS DH
2. Feeder No. : **FDR No. 31/1 - 2**
3. Voltage grade : 22KV
4. Total length of Cable : 3600
5. Sub Section length with details :

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sub Section (Length in Mtr) | | | Make | Size in Sqmm | Type | Year of Comm | Age of Cable | Nos of Failure | Last IR & HV Details | Remark |
| From | To | Length |
| BA SS | RS DH | 3600 | ICC | 300 | PILC | 1985 | 33 | 53 |  | Cable No. 1 |
| BA SS | RS DH | 3600 | ICC | 300 | PILC | 1985 | 33 | 53 |  | Cable No. 2 |

B) Details of New Cable

1. Section : BA S/S – TATA RS DH
2. Feeder No. : **FDR No. 31/1 - 2**
3. Voltage grade : 22KV
4. Total length of Cable : 3600
5. Sub Section length with details :

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sub Section (Length in Mtr) | | | Make | Size in Sqmm | Type | Year of Comm | Last IR & HV Details | | | | Remark |
| From | To | Length | R | Y | | B |
| BA SS | 15/14 | 125 | APAR | 240 | XLPE | 2017 | 200G | | 200G | 200G | Cable No 1 |
| BA SS | 15/14 | 125 | APAR | 240 | XLPE | 2017 | 200G | | 200G | 200G | Cable No.2 |
| RS DH Campus | | 38 | APAR | 240 | XLPE | 2017 | 200G | | 200G | 200G | Cable No 1 |
| RS DH Campus | | 35 | APAR | 240 | XLPE | 2017 | 200G | | 200G | 200G | Cable No 2 |

A ) Details of Cable to be replaced (old)

1. Section : CCG SS – GTR SS
2. Feeder No. : **FDR No. 1 & 2**
3. Voltage grade : 22KV
4. Total length of Cable : 3860
5. Sub Section length with details :

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sub Section (Length in Mtr) | | | Make | Size in Sqmm | Type | Year of Comm | Age of Cable | Nos of Failure | Last IR & HV Details | Remark |
| From | To | Length |
| CCG SS | 1/3 | 914 | F.Gloster | 240 | PILC | 1979 | 42 | 12 |  | FDR No. 1 |
| 1/3 | MEL SS | 111 | F.Gloster | 240 | PILC | 1996 | 22 | 08 |  |
| MLE SS | GTR SS | 2835 | Aisan | 240 | XLPE | 2003 | 15 |  |  |
| CCG SS | 1/3 | 914 | F.Gloster | 240 | PILC | 1982 | 36 | 06 |  | FDR No. 2 |
| 1/3 | MEL SS | 111 | F. Gloster | 240 | PILC | 1996 | 22 | 04 |  |
| MEL SS | 1/4 | 107 | F.Gloster | 240 | PILC | 1996 | 22 | 05 |  |
| 1/4 | GTR SS | 2728 | Unistar | 300 | PILC | 1982 | 36 | 22 |  |

B) Details of New Cable

1. Section : CCG SS – GTR SS
2. Feeder No. : **FDR No. 1 & 2**
3. Voltage grade : 22KV
4. Total length of Cable : 3860
5. Sub Section length with details :

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sub Section (Length in Mtr) | | | Make | Size in Sqmm | Type | Year of Comm | Last IR & HV Details | | | | Remark |
| From | To | Length | R | Y | | B |
| 2/3 | 3/6 | 125 | APAR | 240 | XLPE | 2017 | 200G | | 200G | 200G | Fdr No. 1 |
| 2/3 | 3/6 | 124 | APAR | 240 | XLPE | 2017 | 200G | | 200G | 200G | Fdr No. 2 |
| 1/23 | 1/2 | 125 | APAR | 240 | XLPE | 2017 | 200G | | 200G | 200G | Fdr No. 1 |
| 1/23 | 1/2 | 125 | APAR | 240 | XLPE | 2017 | 200G | | 200G | 200G | Fdr No. 2 |
| 1/2 | 2/3 | 200 | APAR | 240 | XLPE | 2017 | 200G | | 200G | 200G | Fdr No. 1 |
| 1/2 | 2/3 | 200 | APAR | 240 | XLPE | 2017 | 200G | | 200G | 200G | Fdr No. 2 |
| CCG SS | MEL | 1018 | APAR | 240 | XLPE | 2017 | 200G | | 200G | 200G | Fdr No. 1 |
| CCG SS | MEL | 1022 | APAR | 240 | XLPE | 2017 | 200G | | 200G | 200G | Fdr No. 2 |
| CYR | MEL | 500 | APAR | 240 | XLPE | 2017 | 200G | | 200G | 200G | Fdr No. 1 |
| CYR | MEL | 500 | APAR | 240 | XLPE | 2017 | 200G | | 200G | 200G | Fdr No. 2 |

A ) Details of Cable to be replaced (old)

1. Section : EPR S/S – BCT 27 Room
2. Feeder No. : **FDR No. 27**
3. Voltage grade : 22KV
4. Total length of Cable : 4600
5. Sub Section length with details :

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sub Section (Length in Mtr) | | | Make | Size in Sqmm | Type | Year of Comm | Age of Cable | Nos of Failure | Last IR & HV Details | Remark |
| From | To | Length |
| BCT 27 | EPR SS | 4600 | ICL | 240 | XLPE | 1995 | 23 | 12 |  |  |

B) Details of New Cable

1. Section : EPR S/S – BCT 27 Romm
2. Feeder No. : **FDR No. 27**
3. Voltage grade : 22KV
4. Total length of Cable : 4600
5. Sub Section length with details :

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sub Section (Length in Mtr) | | | Make | Size in Sqmm | Type | Year of Comm | Last IR & HV Details | | | | Remark |
| From | To | Length | R | Y | | B |
| BCT 27 | BCT C/Shed | 100 | APAR | 240 | XLPE | 2017 | 200G | | 200G | 200G |  |

A ) Details of Cable to be replaced (old)

1. Section : EPR SS – DDR PRS Cub
2. Feeder No. : **FDR No. 27**
3. Voltage grade : 22KV
4. Total length of Cable : 1024
5. Sub Section length with details :

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sub Section (Length in Mtr) | | | Make | Size in Sqmm | Type | Year of Comm | Age of Cable | Nos of Failure | Last IR & HV Details | Remark |
| From | To | Length |
| DDR RoB | EPR SS | 1024 | CCI | 300 | PILC | 1984 | 34 | 24 |  |  |

B) Details of New Cable

1. Section : EPR SS – DDR PRS Cub
2. Feeder No. : **FDR No. 27**
3. Voltage grade : 22KV
4. Total length of Cable : 1024
5. Sub Section length with details :

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sub Section (Length in Mtr) | | | Make | Size in Sqmm | Type | Year of Comm | Last IR & HV Details | | | | Remark |
| From | To | Length | R | Y | | B |
| RS DH Campus | | 30 | APAR | 240 | XLPE | 2017 | 200G | | 200G | 200G |  |
| EPR SS | 9/7 | 180 | APAR | 240 | XLPE | 2017 | 200G | | 200G | 200G |  |

A ) Details of Cable to be replaced (old)

1. Section : TATA RS DH – EPR SS
2. Feeder No. : **FDR No. 33**
3. Voltage grade : 22KV
4. Total length of Cable : 4771
5. Sub Section length with details :

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sub Section (Length in Mtr) | | | Make | Size in Sqmm | Type | Year of Comm | Age of Cable | Nos of Failure | Last IR & HV Details | Remark |
| From | To | Length |
| RS DH | MRU Dis CR | 1160 | F.Gloster | 300 | PILC | 1995 | 23 | 12 |  |  |
| MRU Dis CR | MM SS | 715 | ICC | 240 | PILC | 1975 | 42 | 18 |  |  |
| MM SS | MRU Qtr 101 | 250 | ICC | 240 | PILC | 1975 | 42 | 03 |  |  |
| MRU Qtr 101 | MRU Qtr 71D | 185 | F.Gloster | 300 | PILC | 1986 | 31 | 08 |  |  |
| MRU Qtr 71D | EPR SS | 2461 | F.Gloster | 300 | PILC | 1994 | 23 | 22 |  |  |

B) Details of New Cable

1. Section : TATA RS DH – EPR SS
2. Feeder No. : **FDR No. 33**
3. Voltage grade : 22KV
4. Total length of Cable : 4771
5. Sub Section length with details :

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sub Section (Length in Mtr) | | | Make | Size in Sqmm | Type | Year of Comm | Last IR & HV Details | | | | Remark |
| From | To | Length | R | Y | | B |
| RS DH Campus | | 30 | APAR | 240 | XLPE | 2017 | 200G | | 200G | 200G |  |
| EPR SS | 9/7 | 180 | APAR | 240 | XLPE | 2017 | 200G | | 200G | 200G |  |
| MRU | 10/10 | 550 | APAR | 240 | XLPE | 2017 | 200G | | 200G | 200G |  |
| 10/1 | 10/15 | 150 | APAR | 240 | XLPE | 2017 | 200G | | 200G | 200G |  |

A ) Details of Cable to be replaced (old)

1. Section : BA SS – ADH SS
2. Feeder No. : **FDR No. O/G 31**
3. Voltage grade : 22KV
4. Total length of Cable : 7335
5. Sub Section length with details :

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sub Section (Length in Mtr) | | | Make | Size in Sqmm | Type | Year of Comm | Age of Cable | Nos of Failure | Last IR & HV Details | Remark |
| From | To | Length |
| BA SS | 17/3A | 1902 | CCI | 300 | PILC | 1991 | 27 |  |  |  |
| 17/3A | 17/10 | 583 | ICL | 240 | XLPE | 2002 | 16 |  |  |  |
| 17/10 | 17/11 | 69 | CCI | 300 | PILC | 1978 | 40 |  |  |  |
| 17/11 | VLP SS | 1151 | Torrant | 240 | XLPE | 1991 | 27 |  |  |  |
| VLP SS | 21/9 | 3068 | Torrant | 240 | XLPE | 1997 | 21 |  |  |  |
| 21/9 | ADH SS | 562 | CCI | 240 | PILC | 1978 | 40 |  |  |  |

B) Details of New Cable

1. Section : BA SS – ADH SS
2. Feeder No. : **FDR No. O/G 31**
3. Voltage grade : 22KV
4. Total length of Cable : 7331
5. Sub Section length with details :

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sub Section (Length in Mtr) | | | Make | Size in Sqmm | Type | Year of Comm | Last IR & HV Details | | | | Remark |
| From | To | Length | R | Y | | B |
| BA SS | LC Gate | 750 | APAR | 240 | XLPE | 2017 | 200G | | 200G | 200G |  |
| GPR ADH | ADH New | 75 | APAR | 240 | XLPE | 2017 | 200G | | 200G | 200G |  |

A ) Details of Cable to be replaced (old)

1. Section : BA SS – ADH SS
2. Feeder No. : **FDR No. O/G 36**
3. Voltage grade : 22KV
4. Total length of Cable : 7472
5. Sub Section length with details :

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sub Section (Length in Mtr) | | | Make | Size in Sqmm | Type | Year of Comm | Age of Cable | Nos of Failure | Last IR & HV Details | Remark |
| From | To | Length |
| BA SS | 17/6B | 2394 | ICL | 300 | PILC | 1976 | 42 |  |  |  |
| 17/6B | 17/11 | 302 | ICL | 240 | XLPE | 2002 | 16 |  |  |  |
| 17/11 | VPL SS | 1140 | Torrant | 240 | XLPE | 1997 | 21 |  |  |  |
| VPL SS | 21/9 | 3067 | Torrant | 240 | XLPE | 1997 | 21 |  |  |  |
| 21/9 | ADH SS | 560 | ICL | 240 | XLPE | 1993 | 27 |  |  |  |

B) Details of New Cable

1. Section : BA SS – ADH SS
2. Feeder No. : **FDR No. O/G 36**
3. Voltage grade : 22KV
4. Total length of Cable : 7472
5. Sub Section length with details :

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sub Section (Length in Mtr) | | | Make | Size in Sqmm | Type | Year of Comm | Last IR & HV Details | | | | Remark |
| From | To | Length | R | Y | | B |
| BA SS | LC Gate | 750 | APAR | 240 | XLPE | 2017 | 200G | | 200G | 200G |  |
| GPR ADH | ADH Cub | 75 | APAR | 240 | XLPE | 2017 | 200G | | 200G | 200G |  |

A ) Details of Cable to be replaced (old)

1. Section : RS DH MX – MX SS
2. Feeder No. : **FDR No. 06**
3. Voltage grade : 22KV
4. Total length of Cable : 900 x 2 ( Duplicate Cable)
5. Sub Section length with details :

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sub Section (Length in Mtr) | | | Make | Size in Sqmm | Type | Year of Comm | Age of Cable | Nos of Failure | Last IR & HV Details | Remark |
| From | To | Length |
| RS MX | MX SS | 900 | CCI | 240 | PILC | 1978 | 40 | 11 |  |  |

B) Details of New Cable

1. Section : RS DH MX – MX SS
2. Feeder No. : **FDR No. 06**
3. Voltage grade : 22KV
4. Total length of Cable : 900 x 2 (Duplicate Cable)
5. Sub Section length with details :

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sub Section (Length in Mtr) | | | Make | Size in Sqmm | Type | Year of Comm | Last IR & HV Details | | | | Remark |
| From | To | Length | R | Y | | B |
| RS MX Campus | | 125 x 2 : 250 | APAR | 240 | XLPE | 2017 | 200G | | 200G | 200G | Duplicate cable |
| MX SS | RPF Qtr 121 | 1750 | APAR | 240 | XLPE | 2017 | 200G | | 200G | 200G | Duplicate Cable |

A ) Details of Cable to be replaced (old)

1. Section : RS DH MX – MX SS
2. Feeder No. : **FDR No. 15**
3. Voltage grade : 22KV
4. Total length of Cable : 900 x 2 ( Duplicate Cable)
5. Sub Section length with details :

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sub Section (Length in Mtr) | | | Make | Size in Sqmm | Type | Year of Comm | Age of Cable | Nos of Failure | Last IR & HV Details | Remark |
| From | To | Length |
| RS MX | MX SS | 900 | CCI | 240 | PILC | 1978 | 40 | 09 |  |  |

B) Details of New Cable

1. Section : RS DH MX – MX SS
2. Feeder No. : **FDR No. 15**
3. Voltage grade : 22KV
4. Total length of Cable : 900 x 2 (Duplicate Cable)
5. Sub Section length with details :

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sub Section (Length in Mtr) | | | Make | Size in Sqmm | Type | Year of Comm | Last IR & HV Details | | | | Remark |
| From | To | Length | R | Y | | B |
| RS MX Campus | | 125 x 2 : 250 | APAR | 240 | XLPE | 2017 | 200G | | 200G | 200G | Duplicate cable |
| MX SS | RPF Qtr 121 | 1750 | APAR | 240 | XLPE | 2017 | 200G | | 200G | 200G | Duplicate Cable |

A ) Details of Cable to be replaced (old)

1. Section : RS BVI TATA – Kile SS
2. Feeder No. : **FDR No. 03**
3. Voltage grade : 22KV
4. Total length of Cable : 4073
5. Sub Section length with details :

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sub Section (Length in Mtr) | | | Make | Size in Sqmm | Type | Year of Comm | Age of Cable | Nos of Failure | Last IR & HV Details | Remark |
| From | To | Length |
| Kile SS | 32/2 | 1791 | Asian | 240 | XLPE | 1994 | 24 |  |  |  |
| 32/2 | 32/6-7 | 255 | ICL | 240 | XLPE | 2002 | 16 |  |  |  |
| 32/6-7 | 32/13B | 439 | Asian | 240 | XLPE | 1994 | 24 |  |  |  |
| 32/13 | 33/2 | 249 | ICL | 240 | XLPE | 2002 | 16 |  |  |  |
| 33/2 | RS BVI | 1339 | Asian | 240 | XLPE | 1994 | 24 |  |  |  |

B) Details of New Cable

1. Section : RS BVI TATA – Kile SS
2. Feeder No. : **FDR No. 03**
3. Voltage grade : 22KV
4. Total length of Cable : 4073
5. Sub Section length with details :

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sub Section (Length in Mtr) | | | Make | Size in Sqmm | Type | Year of Comm | Last IR & HV Details | | | | Remark |
| From | To | Length | R | Y | | B |
| RS BVI Campus | | 40 | APAR | 240 | XLPE | 2017 | 200G | | 200G | 200G | Duplicate cable |
|  |  |  |  |  |  |  |  | |  |  |  |

A ) Details of Cable to be replaced (old)

1. Section : RS BVI TATA – Kile SS
2. Feeder No. : **FDR No. 04**
3. Voltage grade : 22KV
4. Total length of Cable : 4077
5. Sub Section length with details :

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sub Section (Length in Mtr) | | | Make | Size in Sqmm | Type | Year of Comm | Age of Cable | Nos of Failure | Last IR & HV Details | Remark |
| From | To | Length |
| RS BVI | BVI Sw SS | 1339 | CCI | 300 | PILC | 1995 | 23 |  |  |  |
| BVI Sw SS | 32/13B | 249 | ICL | 240 | XLPE | 2002 | 16 |  |  |  |
| 32/13 | 32/6-7 | 434 | ICL | 300 | PILC | 1976 | 42 |  |  |  |
| 32/6-7 | 32/2 | 282 | ICL | 240 | XLPE | 2002 | 16 |  |  |  |
| 32/2 | Kile SS | 1773 | ICL | 300 | PILC | 1976 | 42 |  |  |  |

B) Details of New Cable

1. Section : RS BVI TATA – Kile SS
2. Feeder No. : **FDR No. 04**
3. Voltage grade : 22KV
4. Total length of Cable : 4077
5. Sub Section length with details :

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sub Section (Length in Mtr) | | | Make | Size in Sqmm | Type | Year of Comm | Last IR & HV Details | | | | Remark |
| From | To | Length | R | Y | | B |
| RS BVI Campus | | 35 | APAR | 240 | XLPE | 2017 | 200G | | 200G | 200G | Duplicate cable |
|  |  |  |  |  |  |  |  | |  |  |  |

A ) Details of Cable to be replaced (old)

1. Section : RS DH – DDR PRS Cub
2. Feeder No. : **FDR No. 27**
3. Voltage grade : 22KV
4. Total length of Cable : 2608
5. Sub Section length with details :

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sub Section (Length in Mtr) | | | Make | Size in Sqmm | Type | Year of Comm | Age of Cable | Nos of Failure | Last IR & HV Details | Remark |
| From | To | Length |
| RS DH | 11/6 | 1430 | CCI | 300 | PILC | 1984 | 34 |  |  |  |
| 11/6 | DDR RoB | 1178 | Torrant | 240 | XLPE | 2003 | 15 |  |  |  |

B) Details of New Cable

1. Section : RS DH – DDR PRS Cub
2. Feeder No. : **FDR No. 27**
3. Voltage grade : 22KV
4. Total length of Cable : 2608
5. Sub Section length with details :

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sub Section (Length in Mtr) | | | Make | Size in Sqmm | Type | Year of Comm | Last IR & HV Details | | | | Remark |
| From | To | Length | R | Y | | B |
| MM SS | 10/10 | 1360 | APAR | 240 | XLPE | 2017 | 200G | | 200G | 200G |  |
| 10/1 | 10/15 | 150 | APAR | 240 | XLPE | 2017 | 200G | | 200G | 200G |  |

A ) Details of Cable to be replaced (old)

1. Section : RS DH – EPR ( PBDH)
2. Feeder No. : **FDR No.33/28**
3. Voltage grade : 22KV
4. Total length of Cable : 2608
5. Sub Section length with details :

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sub Section (Length in Mtr) | | | Make | Size in Sqmm | Type | Year of Comm | Age of Cable | Nos of Failure | Last IR & HV Details | Remark |
| From | To | Length |
| RS DH | 11/6 | 1430 | CCI | 300 | PILC | 1984 | 34 |  |  |  |
| 11/6 | DDR RoB | 1178 | Torrant | 240 | XLPE | 2003 | 15 |  |  |  |

B) Details of New Cable

1. Section : RS DH – DDR PRS Cub
2. Feeder No. : **FDR No. 27**
3. Voltage grade : 22KV
4. Total length of Cable : 2608
5. Sub Section length with details :

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sub Section (Length in Mtr) | | | Make | Size in Sqmm | Type | Year of Comm | Last IR & HV Details | | | | Remark |
| From | To | Length | R | Y | | B |
| MM SS | 10/10 | 1360 | APAR | 240 | XLPE | 2017 | 200G | | 200G | 200G |  |

A ) Details of Cable to be replaced (old)

1. Section : EPR SS – PL AC SS
2. Feeder No. : **FDR No.33/28**
3. Voltage grade : 22KV
4. Total length of Cable : 868
5. Sub Section length with details :

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sub Section (Length in Mtr) | | | Make | Size in Sqmm | Type | Year of Comm | Age of Cable | Nos of Failure | Last IR & HV Details | Remark |
| From | To | Length |
| RS DH | 11/6 | 1430 | CCI | 300 | PILC | 1984 | 34 |  |  |  |
| 11/6 | DDR RoB | 1178 | Torrant | 240 | XLPE | 2003 | 15 |  |  |  |

B) Details of New Cable

1. Section : EPR SS – PL AC SS
2. Feeder No. : **FDR No. 33/28**
3. Voltage grade : 22KV
4. Total length of Cable : 868
5. Sub Section length with details :

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sub Section (Length in Mtr) | | | Make | Size in Sqmm | Type | Year of Comm | Last IR & HV Details | | | | Remark |
| From | To | Length | R | Y | | B |
| EPR SS | | 160 | APAR | 240 | XLPE | 2017 | 200G | | 200G | 200G |  |

A ) Details of Cable to be replaced (old)

1. Section : RS DH – BA SS
2. Feeder No. : **FDR No.36 - 3/4**
3. Voltage grade : 22KV
4. Total length of Cable : 3870/3890
5. Sub Section length with details :

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sub Section (Length in Mtr) | | | Make | Size in Sqmm | Type | Year of Comm | Age of Cable | Nos of Failure | Last IR & HV Details | Remark |
| From | To | Length |
| RS DH | BA SS | 3870 | ICC | 300 | PILC | 1978 | 40 |  |  | Cable No. 3 |
| RS DH | BA SS | 3890 | IN CAB | 300 | PILC | 1978 | 40 |  |  | Cable No. 4 |

B) Details of New Cable

1. Section : RS DH – DDR PRS Cub
2. Feeder No. : **FDR No. 27**
3. Voltage grade : 22KV
4. Total length of Cable : 2608
5. Sub Section length with details :

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sub Section (Length in Mtr) | | | Make | Size in Sqmm | Type | Year of Comm | Last IR & HV Details | | | | Remark |
| From | To | Length | R | Y | | B |
| 13/5 | 13/10 | 300 | APAR | 240 | XLPE | 2017 | 200G | | 200G | 200G | Cable No. 3 |
| RS DH Campus | | 38 | APAR | 240 | XLPE | 2017 | 200G | | 200G | 200G | Cable No. 3 |
| RS DH Campus | | 38 | APAR | 240 | XLPE | 2017 | 200G | | 200G | 200G | Cable No. 4 |

A ) Details of Cable to be replaced (old)

1. Section : Kile Stn Cub – Kile CT ‘A’ Fdr
2. Feeder No. : **440V ‘A’ fdr**
3. Voltage grade : 440V
4. Total length of Cable : 325
5. Sub Section length with details :

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sub Section (Length in Mtr) | | | Make | Size in Sqmm | Type | Year of Comm | Age of Cable | Nos of Failure | Last IR & HV Details | Remark |
| From | To | Length |
| Kile Stn Cub | Kile CT | 320 | - | - | - | - | - | - |  |  |
|  |  |  |  |  |  |  |  |  |  |  |

B) Details of New Cable

1. Section : RS DH – DDR PRS Cub
2. Feeder No. : **FDR No. 27**
3. Voltage grade : 22KV
4. Total length of Cable : 2608
5. Sub Section length with details :

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sub Section (Length in Mtr) | | | Make | Size in Sqmm | Type | Year of Comm | Last IR & HV Details | | | | Remark |
| From | To | Length | R | Y | | B |
| 30/16 | 30/08 | 325 | Bharat Cable | 50 sqmm | XLPE | 2018 | 20G | | 20G | 20G |  |

A ) Details of Cable to be replaced (old)

1. Section : JOS SS – JOS CT
2. Feeder No. : **440V ‘A’ and ‘D’ fdr**
3. Voltage grade : 440V
4. Total length of Cable : 325
5. Sub Section length with details :

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sub Section (Length in Mtr) | | | Make | Size in Sqmm | Type | Year of Comm | Age of Cable | Nos of Failure | Last IR & HV Details | Remark |
| From | To | Length |
|  |  |  | - | - | - | - | - | - |  |  |
|  |  |  |  |  |  |  |  |  |  |  |

B) Details of New Cable

1. Section : RS DH – DDR PRS Cub
2. Feeder No. : **FDR No. 27**
3. Voltage grade : 22KV
4. Total length of Cable : 2608
5. Sub Section length with details :

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sub Section (Length in Mtr) | | | Make | Size in Sqmm | Type | Year of Comm | Last IR & HV Details | | | | Remark |
| From | To | Length | R | Y | | B |
| JOS SS | JOS CT | 210 x 2 : 420 | Bharat Cable | 50 sqmm | XLPE | 2018 | 20G | | 20G | 20G |  |