

**Tentative break up of Cables to be removed in 400KV Yard**

| Sl No | Bay No | Equipment From      | Naumanclature | To           | No of Cables | Length of Cable | Total length |
|-------|--------|---------------------|---------------|--------------|--------------|-----------------|--------------|
| 1     | 401    | Isolator            | 401-89        | Control Room | 1            | 380             | 380          |
|       |        |                     | 401-89A       | Control Room | 1            | 380             | 380          |
|       |        |                     | 401-89L       | Control Room | 1            | 420             | 420          |
|       |        |                     | 401-89        | BMK (I/L)    | 1            | 50              | 50           |
|       |        |                     | 401-89A       | BMK (I/L)    | 1            | 50              | 50           |
|       |        |                     | 401-89L       | BMK (I/L)    | 1            | 50              | 50           |
|       |        | Earth Switch        | 401 89E       | Control Room | 1            | 380             | 380          |
|       |        |                     | 401-89AE      | Control Room | 1            | 380             | 380          |
|       |        |                     | 401-89LE      | Control Room | 1            | 420             | 420          |
|       |        |                     | 401-89LE      | BMK (I/L)    | 1            | 50              | 50           |
|       |        |                     | 401 89E       | BMK (I/L)    | 1            | 50              | 50           |
|       |        |                     | 401-89AE      | BMK (I/L)    | 1            | 50              | 50           |
|       |        | Circuit Breaker     | 401-52        | Control Room | 5            | 50              | 250          |
|       |        |                     | 401-52        | BMK (I/L)    | 1            | 50              | 50           |
|       |        | Current Transformer | CT            | Control Room | 5            | 380             | 1900         |
|       |        | CVT                 | 401 CVT       | Control Room | 3            | 420             | 1260         |
|       |        | CVT (Coaxial cable) | PLCC          | Control Room | 1            | 420             | 420          |
|       |        |                     |               |              |              |                 | <b>6540</b>  |
|       |        |                     |               |              |              |                 |              |
| 2     | 402    | Isolator            | 402-89A       | Control Room | 1            | 370             | 370          |
|       |        |                     | 402-89B       | Control Room | 1            | 370             | 370          |
|       |        | Earth Switch        | 402-89AE      | Control Room | 1            | 370             | 370          |
|       |        |                     | 402-89BE      | Control Room | 1            | 370             | 370          |
|       |        | Circuit Breaker     | 402-52        | Control Room | 5            | 370             | 1850         |
|       |        | Current Transformer | CT A          | Control Room | 3            | 370             | 1110         |
|       |        |                     | CT B          | Control Room | 3            | 370             | 1110         |
|       |        | Isolator            | 402-89A       | BMK          | 1            | 40              | 40           |
|       |        |                     | 402-89B       | BMK          | 1            | 40              | 40           |
|       |        | Earth Switch        | 402-89AE      | BMK          | 1            | 40              | 40           |
|       |        |                     | 402-89BE      | BMK          | 1            | 40              | 40           |
|       |        | Circuit Breaker     | 402-52        | BMK          | 1            | 40              | 40           |
|       |        |                     |               |              |              |                 | <b>5750</b>  |
|       |        |                     |               |              |              |                 |              |
| 3     | 403    | Isolator            | 403-89        | Control Room | 1            | 350             | 350          |
|       |        |                     | 403-89A       | Control Room | 1            | 350             | 350          |
|       |        |                     | 403-89L       | Control Room | 1            | 370             | 370          |
|       |        | Earth Switch        | 403 89E       | Control Room | 1            | 350             | 350          |
|       |        |                     | 403-89LE      | Control Room | 1            | 370             | 370          |
|       |        |                     | 403-89AE      | Control Room | 1            | 350             | 350          |
|       |        | Circuit Breaker     | 403-52        | Control Room | 5            | 350             | 1750         |
|       |        | Current Transformer | CT            | Control Room | 5            | 350             | 1750         |
|       |        | CVT                 | 403 CVT       | Control Room | 3            | 375             | 1125         |
|       |        | CVT (Coaxial cable) | PLCC          | Control Room | 1            | 375             | 375          |
|       |        | Isolator            | 403-89        | BMK (I/L)    | 1            | 50              | 50           |
|       |        |                     | 403-89A       | BMK (I/L)    | 1            | 50              | 50           |
|       |        |                     | 403-89L       | BMK (I/L)    | 1            | 50              | 50           |
|       |        | Earth Switch        | 403-89LE      | BMK (I/L)    | 1            | 50              | 50           |
|       |        |                     | 403 89E       | BMK (I/L)    | 1            | 50              | 50           |
|       |        |                     | 403-89AE      | BMK (I/L)    | 1            | 50              | 50           |
|       |        | Circuit Breaker     | 403-52        | BMK (I/L)    | 1            | 50              | 50           |
|       |        |                     |               |              |              |                 | <b>7490</b>  |
|       |        |                     |               |              |              |                 |              |
|       |        | Isolator            | 404-89        | Control Room | 1            | 320             | 320          |
|       |        |                     | 404-89A       | Control Room | 1            | 320             | 320          |
|       |        |                     | 404-89L       | Control Room | 1            | 330             | 330          |
|       |        |                     | 404 89E       | Control Room | 1            | 320             | 320          |

|   |     |                     |          |              |   |     |      |
|---|-----|---------------------|----------|--------------|---|-----|------|
| 4 | 404 | Earth Switch        | 404-89LE | Control Room | 1 | 330 | 330  |
|   |     |                     | 404-89AE | Control Room | 1 | 320 | 320  |
|   |     | Circuit Breaker     | 404-52   | Control Room | 5 | 320 | 1600 |
|   |     | Current Transformer | CT       | Control Room | 5 | 320 | 1600 |
|   |     | CVT                 | 404 CVT  | Control Room | 3 | 415 | 1245 |
|   |     | CVT (Coaxial cable) | PLCC     | Control Room | 1 | 415 | 415  |
|   |     | Isolator            | 404-89   | BMK (I/L)    | 1 | 60  | 60   |
|   |     |                     | 404-89A  | BMK (I/L)    | 1 | 60  | 60   |
|   |     |                     | 404-89L  | BMK (I/L)    | 1 | 60  | 60   |
|   |     | Earth Switch        | 404-89LE | BMK (I/L)    | 1 | 60  | 60   |
|   |     |                     | 404 89E  | BMK (I/L)    | 1 | 60  | 60   |
|   |     |                     | 404-89AE | BMK (I/L)    | 1 | 60  | 60   |
|   |     | Circuit Breaker     | 404-52   | BMK (I/L)    | 1 | 60  | 60   |
|   |     |                     |          |              |   |     | 7220 |
|   |     |                     |          |              |   |     |      |
| 5 | 405 | Isolator            | 405-89A  | Control Room | 1 | 320 | 320  |
|   |     |                     | 405-89B  | Control Room | 1 | 320 | 320  |
|   |     | Earth Switch        | 405-89AE | Control Room | 1 | 320 | 320  |
|   |     |                     | 405-89BE | Control Room | 1 | 320 | 320  |
|   |     | Circuit Breaker     | 405-52   | Control Room | 5 | 320 | 1600 |
|   |     | Current Transformer | CT A     | Control Room | 3 | 320 | 960  |
|   |     |                     | CT B     | Control Room | 3 | 320 | 960  |
|   |     | Isolator            | 405-89A  | BMK          | 1 | 65  | 65   |
|   |     |                     | 405-89B  | BMK          | 1 | 65  | 65   |
|   |     | Earth Switch        | 405-89AE | BMK          | 1 | 65  | 65   |
|   |     |                     | 405-89BE | BMK          | 1 | 65  | 65   |
|   |     | Circuit Breaker     | 405-52   | BMK          | 1 | 65  | 65   |
|   |     |                     |          |              |   |     |      |
|   |     |                     |          |              |   |     |      |
| 6 | 406 | Isolator            | 406-89   | Control Room | 1 | 315 | 315  |
|   |     |                     | 406-89A  | Control Room | 1 | 315 | 315  |
|   |     |                     | 406-89L  | Control Room | 1 | 335 | 335  |
|   |     | Earth Switch        | 406 89E  | Control Room | 1 | 315 | 315  |
|   |     |                     | 406-89LE | Control Room | 1 | 335 | 335  |
|   |     |                     | 406-89AE | Control Room | 1 | 315 | 315  |
|   |     | Circuit Breaker     | 406-52   | Control Room | 5 | 315 | 1575 |
|   |     | Current Transformer | CT       | Control Room | 5 | 315 | 1575 |
|   |     | CVT                 | 406 CVT  | Control Room | 3 | 360 | 1080 |
|   |     | CVT (Coaxial cable) | PLCC     | Control Room | 1 | 360 | 360  |
|   |     | Isolator            | 406-89   | BMK (I/L)    | 1 | 60  | 60   |
|   |     |                     | 406-89A  | BMK (I/L)    | 1 | 60  | 60   |
|   |     |                     | 406-89L  | BMK (I/L)    | 1 | 60  | 60   |
|   |     | Earth Switch        | 406-89LE | BMK (I/L)    | 1 | 60  | 60   |
|   |     |                     | 406 89E  | BMK (I/L)    | 1 | 60  | 60   |
|   |     |                     | 406-89AE | BMK (I/L)    | 1 | 60  | 60   |
|   |     | Circuit Breaker     | 406-52   | BMK (I/L)    | 1 | 60  | 60   |
|   |     |                     |          |              |   |     | 6940 |
|   |     |                     |          |              |   |     |      |
| 7 | 407 | Isolator            | 406-89   | Control Room | 1 | 315 | 315  |
|   |     |                     | 406-89A  | Control Room | 1 | 315 | 315  |
|   |     |                     | 406-89R  | Control Room | 1 | 335 | 335  |
|   |     | Earth Switch        | 406 89E  | Control Room | 1 | 315 | 315  |
|   |     |                     | 406-89RE | Control Room | 1 | 335 | 335  |
|   |     |                     | 406-89AE | Control Room | 1 | 315 | 315  |
|   |     | Circuit Breaker     | 406-52   | Control Room | 5 | 315 | 1575 |
|   |     | Current Transformer | CT       | Control Room | 5 | 315 | 1575 |
|   |     | Isolator            | 406-89   | BMK (I/L)    | 1 | 60  | 60   |
|   |     |                     | 406-89A  | BMK (I/L)    | 1 | 60  | 60   |
|   |     |                     | 406-89R  | BMK (I/L)    | 1 | 60  | 60   |
|   |     | Earth Switch        | 406-89RE | BMK (I/L)    | 1 | 60  | 60   |
|   |     |                     | 406 89E  | BMK (I/L)    | 1 | 60  | 60   |

|    |     |                     |          |              |    |     |      |
|----|-----|---------------------|----------|--------------|----|-----|------|
|    |     |                     | 406-89AE | BMK (I/L)    | 1  | 60  | 60   |
|    |     | 125MVar Reactor     | Reactor  | Control Room | 7  | 335 | 2345 |
|    |     | Circuit Breaker     | 406-52   | BMK (I/L)    | 1  | 60  | 60   |
|    |     |                     |          |              |    |     | 7845 |
|    |     |                     |          |              |    |     |      |
| 8  | 408 | Isolator            | 408-89A  | Control Room | 1  | 175 | 175  |
|    |     |                     | 408-89B  | Control Room | 1  | 175 | 175  |
|    |     | Earth Switch        | 408-89AE | Control Room | 1  | 175 | 175  |
|    |     |                     | 408-89BE | Control Room | 1  | 175 | 175  |
|    |     | Circuit Breaker     | 408-52   | Control Room | 5  | 175 | 875  |
|    |     | Current Transformer | CT A     | Control Room | 3  | 175 | 525  |
|    |     |                     | CT B     | Control Room | 0  | 0   | 0    |
|    |     | Isolator            | 408-89A  | BMK          | 1  | 40  | 40   |
|    |     |                     | 408-89B  | BMK          | 1  | 40  | 40   |
|    |     | Earth Switch        | 408-89AE | BMK          | 1  | 40  | 40   |
|    |     |                     | 408-89BE | BMK          | 1  | 40  | 40   |
|    |     | Circuit Breaker     | 408-52   | BMK          | 1  | 40  | 40   |
|    |     |                     |          |              |    |     | 2300 |
|    |     |                     |          |              |    |     |      |
| 9  | 409 | Isolator            | 409-89   | Control Room | 1  | 215 | 215  |
|    |     |                     | 409-89   | BMK          | 1  | 60  | 60   |
|    |     |                     |          |              |    |     | 275  |
|    |     |                     |          |              |    |     |      |
| 10 | 412 | Isolator            | 412-89   | Control Room | 1  | 215 | 215  |
|    |     |                     | 412-89A  | Control Room | 1  | 215 | 215  |
|    |     |                     | 412-89R  | Control Room | 1  | 310 | 310  |
|    |     |                     | NGR ISO  | Control Room | 1  | 310 | 310  |
|    |     |                     | 412-89L  | Control Room | 1  | 215 | 215  |
|    |     | Earth Switch        | 412 89E  | Control Room | 1  | 215 | 215  |
|    |     |                     | 412-89LE | Control Room | 1  | 310 | 310  |
|    |     |                     | 412-89AE | Control Room | 1  | 215 | 215  |
|    |     | Circuit Breaker     | 412-52   | Control Room | 5  | 215 | 1075 |
|    |     | Line Reactor + NGR  | LR       | Control Room | 11 | 310 | 3410 |
|    |     | Current Transformer | CT       | Control Room | 5  | 215 | 1075 |
|    |     | CVT                 | 412 CVT  | Control Room | 3  | 310 | 930  |
|    |     | CVT (Coaxial cable) | PLCC     | Control Room | 1  | 310 | 310  |
|    |     | Isolator            | 412-89   | BMK (I/L)    | 1  | 45  | 45   |
|    |     |                     | 412-89A  | BMK (I/L)    | 1  | 45  | 45   |
|    |     |                     | 412-89L  | BMK (I/L)    | 1  | 130 | 130  |
|    |     |                     | 412-89R  | BMK (I/L)    | 1  | 130 | 130  |
|    |     | Earth Switch        | 412-89LE | BMK (I/L)    | 1  | 130 | 130  |
|    |     |                     | 412 89E  | BMK (I/L)    | 1  | 45  | 45   |
|    |     |                     | 412-89RE | BMK (I/L)    | 1  | 130 | 130  |
|    |     |                     | 412-89AE | BMK (I/L)    | 1  | 45  | 45   |
|    |     | Circuit Breaker     | 412-52   | BMK (I/L)    | 1  | 45  | 45   |
|    |     |                     |          |              |    |     | 9550 |
|    |     |                     |          |              |    |     |      |
| 11 | 413 | Isolator            | 413-89A  | Control Room | 1  | 230 | 230  |
|    |     |                     | 413-89B  | Control Room | 1  | 230 | 230  |
|    |     | Earth Switch        | 413-89AE | Control Room | 1  | 230 | 230  |
|    |     |                     | 413-89BE | Control Room | 1  | 230 | 230  |
|    |     | Circuit Breaker     | 413-52   | Control Room | 5  | 230 | 1150 |
|    |     | Current Transformer | CT A     | Control Room | 3  | 230 | 690  |
|    |     |                     | CT B     | Control Room | 3  | 230 | 690  |
|    |     | Isolator            | 413-89A  | BMK          | 1  | 50  | 50   |
|    |     |                     | 413-89B  | BMK          | 1  | 50  | 50   |
|    |     | Earth Switch        | 413-89AE | BMK          | 1  | 50  | 50   |
|    |     |                     | 413-89BE | BMK          | 1  | 50  | 50   |
|    |     | Circuit Breaker     | 413-52   | BMK          | 1  | 50  | 50   |
|    |     |                     |          |              |    |     | 3700 |
|    |     |                     |          |              |    |     |      |

|    |     |                     |          |              |    |     |      |
|----|-----|---------------------|----------|--------------|----|-----|------|
| 12 | 414 | Isolator            | 414-89   | Control Room | 1  | 225 | 225  |
|    |     |                     | 414-89A  | Control Room | 1  | 225 | 225  |
|    |     |                     | 414-89L  | Control Room | 1  | 265 | 265  |
|    |     | Earth Switch        | 414-89E  | Control Room | 1  | 225 | 225  |
|    |     |                     | 414-89LE | Control Room | 1  | 265 | 265  |
|    |     |                     | 414-89AE | Control Room | 1  | 225 | 225  |
|    |     | Circuit Breaker     | 414-52   | Control Room | 5  | 225 | 1125 |
|    |     | Current Transformer | CT       | Control Room | 5  | 225 | 1125 |
|    |     | CVT                 | 414 CVT  | Control Room | 3  | 265 | 795  |
|    |     | CVT (Coaxial cable) | PLCC     | Control Room | 1  | 265 | 265  |
|    |     | Isolator            | 414-89   | BMK (I/L)    | 1  | 45  | 45   |
|    |     |                     | 414-89A  | BMK (I/L)    | 1  | 45  | 45   |
|    |     |                     | 414-89L  | BMK (I/L)    | 1  | 90  | 90   |
|    |     | Earth Switch        | 414-89LE | BMK (I/L)    | 1  | 90  | 90   |
|    |     |                     | 414-89E  | BMK (I/L)    | 1  | 45  | 45   |
|    |     |                     | 414-89AE | BMK (I/L)    | 1  | 45  | 45   |
|    |     | Circuit Breaker     | 414-52   | BMK (I/L)    | 1  | 45  | 45   |
|    |     |                     |          |              |    |     | 5145 |
|    |     |                     |          |              |    |     |      |
| 13 | 415 | Isolator            | 415-89   | Control Room | 1  | 185 | 185  |
|    |     |                     | 415-89A  | Control Room | 1  | 185 | 185  |
|    |     |                     | 415-89R  | Control Room | 1  | 265 | 265  |
|    |     |                     | NGR ISO  | Control Room | 1  | 265 | 265  |
|    |     |                     | 415-89L  | Control Room | 1  | 265 | 265  |
|    |     | Earth Switch        | 415-89E  | Control Room | 1  | 185 | 185  |
|    |     |                     | 415-89LE | Control Room | 1  | 265 | 265  |
|    |     |                     | 415-89AE | Control Room | 1  | 185 | 185  |
|    |     | Circuit Breaker     | 415-52   | Control Room | 5  | 185 | 925  |
|    |     | Line Reactor + NGR  | LR       | Control Room | 10 | 265 | 2650 |
|    |     | Current Transformer | CT       | Control Room | 5  | 185 | 925  |
|    |     | CVT                 | 415 CVT  | Control Room | 3  | 265 | 795  |
|    |     | CVT (Coaxial cable) | PLCC     | Control Room | 1  | 265 | 265  |
|    |     | Isolator            | 415-89   | BMK (I/L)    | 1  | 45  | 45   |
|    |     |                     | 415-89A  | BMK (I/L)    | 1  | 45  | 45   |
|    |     |                     | 415-89L  | BMK (I/L)    | 1  | 115 | 115  |
|    |     |                     | 415-89R  | BMK (I/L)    | 1  | 115 | 115  |
|    |     | Earth Switch        | 415-89LE | BMK (I/L)    | 1  | 115 | 115  |
|    |     |                     | 415-89E  | BMK (I/L)    | 1  | 45  | 45   |
|    |     |                     | 415-89RE | BMK (I/L)    | 1  | 115 | 115  |
|    |     |                     | 415-89AE | BMK (I/L)    | 1  | 45  | 45   |
|    |     | Circuit Breaker     | 415-52   | BMK (I/L)    | 1  | 45  | 45   |
|    |     |                     |          |              |    |     | 8045 |
|    |     |                     |          |              |    |     |      |
| 14 | 416 | Isolator            | 416-89A  | Control Room | 1  | 200 | 200  |
|    |     |                     | 416-89B  | Control Room | 1  | 200 | 200  |
|    |     | Earth Switch        | 416-89AE | Control Room | 1  | 200 | 200  |
|    |     |                     | 416-89BE | Control Room | 1  | 200 | 200  |
|    |     | Circuit Breaker     | 416-52   | Control Room | 5  | 200 | 1000 |
|    |     | Current Transformer | CT A     | Control Room | 3  | 200 | 600  |
|    |     |                     | CT B     | Control Room | 3  | 200 | 600  |
|    |     | Isolator            | 416-89A  | BMK          | 1  | 55  | 55   |
|    |     |                     | 416-89B  | BMK          | 1  | 55  | 55   |
|    |     | Earth Switch        | 416-89AE | BMK          | 1  | 55  | 55   |
|    |     |                     | 416-89BE | BMK          | 1  | 55  | 55   |
|    |     | Circuit Breaker     | 416-52   | BMK          | 1  | 55  | 55   |
|    |     |                     |          |              |    |     | 3275 |
|    |     |                     |          |              |    |     |      |
|    |     | Isolator            | 417-89   | Control Room | 1  | 185 | 185  |
|    |     |                     | 417-89A  | Control Room | 1  | 185 | 185  |
|    |     |                     | 417-89R  | Control Room | 1  | 250 | 250  |
|    |     |                     | NGR ISO  | Control Room | 1  | 250 | 250  |

|    |     |                     |          |              |    |     |      |
|----|-----|---------------------|----------|--------------|----|-----|------|
| 15 | 417 |                     | 417-89L  | Control Room | 1  | 250 | 250  |
|    |     | Earth Switch        | 417 89E  | Control Room | 1  | 185 | 185  |
|    |     |                     | 417-89LE | Control Room | 1  | 250 | 250  |
|    |     |                     | 417-89AE | Control Room | 1  | 185 | 185  |
|    |     | Circuit Breaker     | 417-52   | Control Room | 5  | 185 | 925  |
|    |     | Line Reactor + NGR  | LR       | Control Room | 10 | 250 | 2500 |
|    |     | Current Transformer | CT       | Control Room | 5  | 185 | 925  |
|    |     | CVT                 | 417 CVT  | Control Room | 3  | 250 | 750  |
|    |     | CVT (Coaxial cable) | PLCC     | Control Room | 1  | 250 | 250  |
|    |     | Isolator            | 417-89   | BMK (I/L)    | 1  | 50  | 50   |
|    |     |                     | 417-89A  | BMK (I/L)    | 1  | 50  | 50   |
|    |     |                     | 417-89L  | BMK (I/L)    | 1  | 110 | 110  |
|    |     |                     | 417-89R  | BMK (I/L)    | 1  | 110 | 110  |
|    |     | Earth Switch        | 417-89LE | BMK (I/L)    | 1  | 110 | 110  |
|    |     |                     | 417 89E  | BMK (I/L)    | 1  | 50  | 50   |
|    |     |                     | 417-89RE | BMK (I/L)    | 1  | 110 | 110  |
|    |     |                     | 417-89AE | BMK (I/L)    | 1  | 50  | 50   |
|    |     | Circuit Breaker     | 417-52   | BMK (I/L)    | 1  | 50  | 50   |
|    |     |                     |          |              |    |     | 7780 |
|    |     |                     |          |              |    |     |      |
| 16 | 418 | Isolator            | 418-89   | Control Room | 1  | 250 | 250  |
|    |     |                     | 418-89A  | Control Room | 1  | 250 | 250  |
|    |     |                     | 418-89L  | Control Room | 1  | 300 | 300  |
|    |     | Earth Switch        | 418 89E  | Control Room | 1  | 250 | 250  |
|    |     |                     | 418-89LE | Control Room | 1  | 300 | 300  |
|    |     |                     | 418-89AE | Control Room | 1  | 250 | 250  |
|    |     | Circuit Breaker     | 418-52   | Control Room | 5  | 250 | 1250 |
|    |     | Current Transformer | CT       | Control Room | 5  | 250 | 1250 |
|    |     | CVT                 | 418 CVT  | Control Room | 3  | 300 | 900  |
|    |     | CVT (Coaxial cable) | PLCC     | Control Room | 1  | 300 | 300  |
|    |     | Isolator            | 418-89   | BMK (I/L)    | 1  | 45  | 45   |
|    |     |                     | 418-89A  | BMK (I/L)    | 1  | 45  | 45   |
|    |     |                     | 418-89L  | BMK (I/L)    | 1  | 90  | 90   |
|    |     | Earth Switch        | 418-89LE | BMK (I/L)    | 1  | 90  | 90   |
|    |     |                     | 418 89E  | BMK (I/L)    | 1  | 45  | 45   |
|    |     |                     | 418-89AE | BMK (I/L)    | 1  | 45  | 45   |
|    |     | Circuit Breaker     | 418-52   | BMK (I/L)    | 1  | 45  | 45   |
|    |     |                     |          |              |    |     | 5705 |
|    |     |                     |          |              |    |     |      |
| 17 | 419 | Isolator            | 419-89A  | Control Room | 1  | 265 | 265  |
|    |     |                     | 419-89B  | Control Room | 1  | 265 | 265  |
|    |     | Earth Switch        | 419-89AE | Control Room | 1  | 265 | 265  |
|    |     |                     | 419-89BE | Control Room | 1  | 265 | 265  |
|    |     | Circuit Breaker     | 419-52   | Control Room | 5  | 265 | 1325 |
|    |     | Current Transformer | CT A     | Control Room | 3  | 265 | 795  |
|    |     |                     | CT B     | Control Room | 3  | 265 | 795  |
|    |     | Isolator            | 419-89A  | BMK          | 1  | 55  | 55   |
|    |     |                     | 419-89B  | BMK          | 1  | 55  | 55   |
|    |     | Earth Switch        | 419-89AE | BMK          | 1  | 55  | 55   |
|    |     |                     | 419-89BE | BMK          | 1  | 55  | 55   |
|    |     | Circuit Breaker     | 419-52   | BMK          | 1  | 55  | 55   |
|    |     |                     |          |              |    |     | 4250 |
|    |     |                     |          |              |    |     |      |
|    |     | Isolator            | 420-89   | Control Room | 1  | 250 | 250  |
|    |     |                     | 420-89A  | Control Room | 1  | 250 | 250  |
|    |     |                     | 420-89L  | Control Room | 1  | 325 | 325  |
|    |     | Earth Switch        | 420 89E  | Control Room | 1  | 250 | 250  |
|    |     |                     | 420-89LE | Control Room | 1  | 325 | 325  |
|    |     |                     | 420-89AE | Control Room | 1  | 250 | 250  |
|    |     | 80MVar Reactor +NGR | Reactor  | Control Room | 11 | 325 | 3575 |
|    |     | Circuit Breaker     | 420-52   | Control Room | 5  | 250 | 1250 |

|    |     |                     |          |              |   |     |      |
|----|-----|---------------------|----------|--------------|---|-----|------|
| 18 | 420 | Current Transformer | CT       | Control Room | 5 | 250 | 1250 |
|    |     | CVT                 | 420 CVT  | Control Room | 3 | 325 | 975  |
|    |     | CVT (Coaxial cable) | PLCC     | Control Room | 1 | 325 | 325  |
|    |     | Isolator            | 420-89   | BMK (I/L)    | 1 | 50  | 50   |
|    |     |                     | 420-89A  | BMK (I/L)    | 1 | 50  | 50   |
|    |     |                     | 420-89L  | BMK (I/L)    | 1 | 110 | 110  |
|    |     | Earth Switch        | 420-89LE | BMK (I/L)    | 1 | 110 | 110  |
|    |     |                     | 420 89E  | BMK (I/L)    | 1 | 50  | 50   |
|    |     |                     | 420-89AE | BMK (I/L)    | 1 | 50  | 50   |
|    |     | Circuit Breaker     | 420-52   | BMK (I/L)    | 1 | 50  | 50   |
|    |     |                     |          |              |   |     | 9495 |
|    |     |                     |          |              |   |     |      |
| 19 | 424 | Isolator            | 424-89   | Control Room | 1 | 285 | 285  |
|    |     |                     | 424-89A  | Control Room | 1 | 285 | 285  |
|    |     |                     | 424-89T  | Control Room | 1 | 285 | 285  |
|    |     | Earth Switch        | 424 89E  | Control Room | 1 | 285 | 285  |
|    |     |                     | 424-89TE | Control Room | 1 | 285 | 285  |
|    |     |                     | 424-89AE | Control Room | 1 | 285 | 285  |
|    |     | Circuit Breaker     | 424-52   | Control Room | 5 | 285 | 1425 |
|    |     | Current Transformer | CT       | Control Room | 5 | 285 | 1425 |
|    |     | Isolator            | 424-89   | BMK (I/L)    | 1 | 85  | 85   |
|    |     |                     | 424-89A  | BMK (I/L)    | 1 | 85  | 85   |
|    |     |                     | 424-89T  | BMK (I/L)    | 1 | 85  | 85   |
|    |     | Earth Switch        | 424-89TE | BMK (I/L)    | 1 | 85  | 85   |
|    |     |                     | 424 89E  | BMK (I/L)    | 1 | 85  | 85   |
|    |     |                     | 424-89AE | BMK (I/L)    | 1 | 85  | 85   |
|    |     | Circuit Breaker     | 424-52   | BMK (I/L)    | 1 | 85  | 85   |
|    |     |                     |          |              |   |     | 5155 |
|    |     |                     |          |              |   |     |      |
| 20 | 425 | Isolator            | 425-89A  | Control Room | 1 | 350 | 350  |
|    |     |                     | 425-89B  | Control Room | 1 | 350 | 350  |
|    |     | Earth Switch        | 425-89AE | Control Room | 1 | 350 | 350  |
|    |     |                     | 425-89BE | Control Room | 1 | 350 | 350  |
|    |     | Circuit Breaker     | 425-52   | Control Room | 5 | 350 | 1750 |
|    |     | Current Transformer | CT A     | Control Room | 3 | 350 | 1050 |
|    |     |                     | CT B     | Control Room | 3 | 350 | 1050 |
|    |     | Isolator            | 425-89A  | BMK          | 1 | 85  | 85   |
|    |     |                     | 425-89B  | BMK          | 1 | 85  | 85   |
|    |     | Earth Switch        | 425-89AE | BMK          | 1 | 85  | 85   |
|    |     |                     | 425-89BE | BMK          | 1 | 85  | 85   |
|    |     | Circuit Breaker     | 425-52   | BMK          | 1 | 85  | 85   |
|    |     |                     |          |              |   |     | 5675 |
|    |     |                     |          |              |   |     |      |
| 21 | 426 | Isolator            | 426-89   | Control Room | 1 | 330 | 330  |
|    |     |                     | 426-89A  | Control Room | 1 | 330 | 330  |
|    |     |                     | 426-89T  | Control Room | 1 | 430 | 430  |
|    |     | Earth Switch        | 426 89E  | Control Room | 1 | 330 | 330  |
|    |     |                     | 426-89TE | Control Room | 1 | 430 | 430  |
|    |     |                     | 426-89AE | Control Room | 1 | 330 | 330  |
|    |     | Circuit Breaker     | 426-52   | Control Room | 5 | 330 | 1650 |
|    |     | Current Transformer | CT       | Control Room | 5 | 330 | 1650 |
|    |     | Isolator            | 426-89   | BMK (I/L)    | 1 | 85  | 85   |
|    |     |                     | 426-89A  | BMK (I/L)    | 1 | 85  | 85   |
|    |     |                     | 426-89T  | BMK (I/L)    | 1 | 300 | 300  |
|    |     | Earth Switch        | 426-89TE | BMK (I/L)    | 1 | 300 | 300  |
|    |     |                     | 426 89E  | BMK (I/L)    | 1 | 85  | 85   |
|    |     |                     | 426-89AE | BMK (I/L)    | 1 | 85  | 85   |
|    |     | Circuit Breaker     | 426-52   | BMK (I/L)    | 1 | 85  | 85   |
|    |     | ICT                 | ICT      | Control Room | 5 | 450 | 2250 |
|    |     |                     |          |              |   |     | 8755 |
|    |     |                     |          |              |   |     |      |

|    |     |                          |                |              |    |     |       |
|----|-----|--------------------------|----------------|--------------|----|-----|-------|
| 22 | 427 | Isolator                 | 427-89         | Control Room | 1  | 355 | 355   |
|    |     |                          | 427-89A        | Control Room | 1  | 355 | 355   |
|    |     |                          | 427-89T        | Control Room | 1  | 380 | 380   |
|    |     | Earth Switch             | 427-89E        | Control Room | 1  | 355 | 355   |
|    |     |                          | 427-89TE       | Control Room | 1  | 380 | 380   |
|    |     |                          | 427-89AE       | Control Room | 1  | 355 | 355   |
|    |     | Circuit Breaker          | 427-52         | Control Room | 5  | 355 | 1775  |
|    |     | Current Transformer      | CT             | Control Room | 5  | 355 | 1775  |
|    |     | Isolator                 | 427-89         | BMK (I/L)    | 1  | 50  | 50    |
|    |     |                          | 427-89A        | BMK (I/L)    | 1  | 50  | 50    |
|    |     |                          | 427-89T        | BMK (I/L)    | 1  | 100 | 100   |
|    |     | Earth Switch             | 427-89TE       | BMK (I/L)    | 1  | 100 | 100   |
|    |     |                          | 427-89E        | BMK (I/L)    | 1  | 50  | 50    |
|    |     |                          | 427-89AE       | BMK (I/L)    | 1  | 50  | 50    |
|    |     | Circuit Breaker          | 427-52         | BMK (I/L)    | 2  | 50  | 100   |
|    |     | Series Reactor Panel LCC | Series Reactor | Control Room | 14 | 380 | 5320  |
|    |     | CVT                      | 427 CVT        | Control Room | 3  | 380 | 1140  |
|    |     | CVT (Coaxial cable)      | PLCC           | Control Room | 1  | 380 | 380   |
|    |     |                          |                |              |    |     | 13070 |
|    |     |                          |                |              |    |     |       |
| 23 | 428 | Isolator                 | 428-89A        | Control Room | 1  | 380 | 380   |
|    |     |                          | 428-89B        | Control Room | 1  | 380 | 380   |
|    |     | Earth Switch             | 428-89AE       | Control Room | 1  | 380 | 380   |
|    |     |                          | 428-89BE       | Control Room | 1  | 380 | 380   |
|    |     | Circuit Breaker          | 428-52         | Control Room | 5  | 380 | 1900  |
|    |     | Current Transformer      | CT A           | Control Room | 3  | 380 | 1140  |
|    |     |                          | CTB            | Control Room | 3  | 380 | 1140  |
|    |     |                          | CT A           | 425 Bay      | 2  | 200 | 400   |
|    |     |                          | CT B           | 426 Bay      | 2  | 200 | 400   |
|    |     | Isolator                 | 428-89A        | BMK          | 1  | 85  | 85    |
|    |     |                          | 428-89B        | BMK          | 1  | 85  | 85    |
|    |     | Earth Switch             | 428-89AE       | BMK          | 1  | 85  | 85    |
|    |     |                          | 428-89BE       | BMK          | 1  | 85  | 85    |
|    |     | Circuit Breaker          | 428-52         | BMK          | 2  | 85  | 170   |
|    |     |                          |                |              |    |     | 7010  |
|    |     |                          |                |              |    |     |       |
| 24 | 429 | Isolator                 | 429-89         | Control Room | 1  | 350 | 350   |
|    |     |                          | 429-89A        | Control Room | 1  | 350 | 350   |
|    |     |                          | 429-89T        | Control Room | 1  | 410 | 410   |
|    |     | Earth Switch             | 429-89E        | Control Room | 1  | 350 | 350   |
|    |     |                          | 429-89TE       | Control Room | 1  | 410 | 410   |
|    |     |                          | 429-89AE       | Control Room | 1  | 350 | 350   |
|    |     | Circuit Breaker          | 429-52         | Control Room | 5  | 350 | 1750  |
|    |     | Current Transformer      | CT             | Control Room | 5  | 350 | 1750  |
|    |     | Isolator                 | 429-89         | BMK (I/L)    | 1  | 55  | 55    |
|    |     |                          | 429-89A        | BMK (I/L)    | 1  | 55  | 55    |
|    |     |                          | 429-89T        | BMK (I/L)    | 1  | 100 | 100   |
|    |     | Earth Switch             | 429-89TE       | BMK (I/L)    | 1  | 100 | 100   |
|    |     |                          | 429-89E        | BMK (I/L)    | 1  | 55  | 55    |
|    |     |                          | 429-89AE       | BMK (I/L)    | 1  | 55  | 55    |
|    |     | Circuit Breaker          | 429-52         | BMK (I/L)    | 2  | 55  | 110   |
|    |     | Series Reactor Panel LCC | Series Reactor | Control Room | 14 | 410 | 5740  |
|    |     | CVT                      | 429 CVT        | Control Room | 3  | 410 | 1230  |
|    |     | CVT (Coaxial cable)      | PLCC           | Control Room | 1  | 410 | 410   |
|    |     |                          |                |              |    |     | 13630 |
|    |     |                          |                |              |    |     |       |
|    |     | Isolator                 | 430-89         | Control Room | 1  | 440 | 440   |
|    |     |                          | 430-89A        | Control Room | 1  | 440 | 440   |
|    |     |                          | 430-89T        | Control Room | 1  | 500 | 500   |
|    |     | Earth Switch             | 430-89E        | Control Room | 1  | 440 | 440   |
|    |     |                          | 430-89TE       | Control Room | 1  | 500 | 500   |

|    |                          |                     |              |                |     |     |       |
|----|--------------------------|---------------------|--------------|----------------|-----|-----|-------|
| 25 | 430                      |                     | 430-89AE     | Control Room   | 1   | 440 | 440   |
|    |                          | Circuit Breaker     | 430-52       | Control Room   | 5   | 440 | 2200  |
|    |                          | Current Transformer | CT           | Control Room   | 5   | 440 | 2200  |
|    |                          | Isolator            | 430-89       | BMK (I/L)      | 1   | 50  | 50    |
|    |                          |                     | 430-89A      | BMK (I/L)      | 1   | 50  | 50    |
|    |                          |                     | 430-89T      | BMK (I/L)      | 1   | 110 | 110   |
|    |                          | Earth Switch        | 430-89TE     | BMK (I/L)      | 1   | 110 | 110   |
|    |                          |                     | 430 89E      | BMK (I/L)      | 1   | 50  | 50    |
|    |                          |                     | 430-89AE     | BMK (I/L)      | 1   | 50  | 50    |
|    |                          | Circuit Breaker     | 430-52       | BMK (I/L)      | 1   | 50  | 50    |
|    |                          | ICT                 | ICT          | Control Room   | 5   | 500 | 2500  |
|    |                          |                     |              |                |     |     | 10130 |
|    |                          |                     |              |                |     |     |       |
| 26 | 431                      | Isolator            | 431-89A      | Control Room   | 1   | 460 | 460   |
|    |                          |                     | 431-89B      | Control Room   | 1   | 460 | 460   |
|    |                          | Earth Switch        | 431-89AE     | Control Room   | 1   | 460 | 460   |
|    |                          |                     | 431-89BE     | Control Room   | 1   | 460 | 460   |
|    |                          | Circuit Breaker     | 431-52       | Control Room   | 5   | 460 | 2300  |
|    |                          | Current Transformer | CT A         | Control Room   | 3   | 460 | 1380  |
|    |                          |                     | CT B         | Control Room   | 3   | 460 | 1380  |
|    |                          | Isolator            | 431-89A      | BMK            | 1   | 70  | 70    |
|    |                          |                     | 431-89B      | BMK            | 1   | 70  | 70    |
|    |                          | Earth Switch        | 431-89AE     | BMK            | 1   | 70  | 70    |
|    |                          |                     | 431-89BE     | BMK            | 1   | 70  | 70    |
|    |                          | Circuit Breaker     | 431-52       | BMK            | 1   | 70  | 70    |
|    |                          |                     |              |                |     |     | 7250  |
|    |                          |                     |              |                |     |     |       |
| 27 | 432                      | Isolator            | 432-89       | Control Room   | 1   | 440 | 440   |
|    |                          |                     | 432-89A      | Control Room   | 1   | 440 | 440   |
|    |                          |                     | 432-89L      | Control Room   | 1   | 500 | 500   |
|    |                          | Earth Switch        | 432 89E      | Control Room   | 1   | 440 | 440   |
|    |                          |                     | 432-89LE     | Control Room   | 1   | 500 | 500   |
|    |                          |                     | 432-89AE     | Control Room   | 1   | 440 | 440   |
|    |                          | Circuit Breaker     | 432-52       | Control Room   | 5   | 440 | 2200  |
|    |                          | Current Transformer | CT           | Control Room   | 5   | 440 | 2200  |
|    |                          | CVT                 | 432 CVT      | Control Room   | 3   | 500 | 1500  |
|    |                          | CVT (Coaxial cable) | PLCC         | Control Room   | 1   | 500 | 500   |
|    |                          | Isolator            | 432-89       | BMK (I/L)      | 1   | 50  | 50    |
|    |                          |                     | 432-89A      | BMK (I/L)      | 1   | 50  | 50    |
|    |                          |                     | 432-89L      | BMK (I/L)      | 1   | 110 | 110   |
|    |                          | Earth Switch        | 432-89LE     | BMK (I/L)      | 1   | 110 | 110   |
|    |                          |                     | 432 89E      | BMK (I/L)      | 1   | 50  | 50    |
|    |                          |                     | 432-89AE     | BMK (I/L)      | 1   | 50  | 50    |
|    |                          | Circuit Breaker     | 432-52       | BMK (I/L)      | 1   | 50  | 50    |
|    |                          | Old Reactor         | Reactor      | Control Room   | 5   | 500 | 2500  |
|    |                          |                     |              |                |     |     | 12130 |
|    |                          |                     |              |                |     |     |       |
| 28 | Misc within control room | BUS 1 CVT 400KV     | CVT          | Control Room   | 3   | 150 | 450   |
|    |                          | Bus 2 CVT 400KV     | CVT          | Control Room   | 3   | 150 | 450   |
|    |                          | Control Panel       | CP           | Relay Panel    | 264 | 100 | 26400 |
|    |                          | DCDB                | DCDB         | Relay Panel    | 80  | 100 | 8000  |
|    |                          | NTAMC Panels        | NTAMC Panels | CP/Relay Panel | 115 | 100 | 11500 |
|    |                          |                     |              |                |     |     | 45900 |