| **Item** | **Substation 1** | **Short Name 1** | **Substation 2** | **Short Name 2** | **Voltage level (kV)** | **SCADA Scope of Works Telecom** | **Length of FO cable or ADSS (km)** | **PLC Link T/L 63kV Terminals** | **Distance PLC T/L 63kV (km)** | **Radio Link** | **Minimum Number of Radio Towers** | **Distance UHF Radio Link (km)** | **Number of UHF Antenna/Terminals** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | Natitingou (CEB) | NAT | Bericingou (Natitingou) | BER | 161/33 | Yes | 0.5 |   |   | No |   |   |   |
| 2 | Bericingou (Diesel) | BER Diesel | Bericingou (Natitingou) | BER | 33 | Yes | 0.35 |   |   | No |   |   |   |
| 3 | Bericingou (Natitingou) | BER | Natitingou North | NNO | 33 | Radio only |   |   |   | Yes | 1 | 13 | 2 |
| 4 | Bericingou (Natitingou) | BER | Natitingou HPP (Yeripao) | NAT HPP | 15 | Radio only |   |   |   | Yes | 2 | 22 | 2 |
| 5 | Natitingou PV 1 | NAT PV 1 | Bericingou (Natitingou) | BER | 33 | Radio only |   |   |   | Yes | 1 | 3 | 2 |
| 6 | Natitingou PV 2 | NAT PV 2 | Natitingou North | NNO | 33 | Radio only |   |   |   | Yes | 1 | 10 | 2 |
| 7 | Djougou (CEB) | DJO (CEB) | Djougou (SBEE) | DJO (SBEE) | 33/20 | Yes | 0.5 |   |   | No |   |   |   |
| 8 | Djougou (SBEE) | DJO (SBEE) | Djougou PV1 | DJO PV1 | 33 | Radio only |   |   |   | Yes | 2 | 3 | 2 |
| 9 | Djougou (SBEE) | DJO (SBEE) | Djougou PV2 | DJO PV2 |   | Radio only |   |   |   | Yes | 1 | 10 | 2 |
| 10 | Bembereke (CEB) | BEM (CEB) | Bembereke 2 (SBEE) | BEM 2 (SBEE) | 161/33 | Yes | 0.1 |   |   | No |   |   |   |
| 11 | Bembereke 2 (SBEE) | BEM 2 (SBEE) | Bembereke 1 | BEM 1 | 33 | No |   |   |   | No |   |   |   |
| 12 | Parakou (CEB) | PAR (CEB) | Parakou (SBEE) | PAR (SBEE) | 33/20 | Yes | 0.15 |   |   | No |   |   |   |
| 13 | Parakou (SBEE) | PAR (SBEE) | Parakou Ancien Poste | PAR AP | 20 | Yes | 6 |   |   | Yes | 2 | 6 | 2 |
| 14 | Parakou Ancien Poste | PAR AP | Parakou Diesel | PAR Diesel | 20 | Yes | 0.2 |   |   | No |   |   |   |
| 15 | Parakou (SBEE) | PAR (SBEE) | Parakou PV1 | PAR PV1 | 20 | Radio only |   |   |   | Yes | 1 | 0.5 | 2 |
| 16 | Bohicon (CEB) | BOH (CEB) | Bohicon (SBEE) | BOH (SBEE) | 63/20 | Yes | 0.5 |   |   | No |   |   |   |
| 17 | Bohicon (SBEE) | BOH (SBEE) | Bohicon PP | BOH PP | 20 | Radio only |   |   |   | Yes | 1 | 5 | 2 |
| 18 | Bohicon PP | BOH PP | Back-up NDCC Bohicon | NDCC - Backup | 20 | No |   |   |   | No |   |   |   |
| 19 | Onigbolo (CEB) | ONI (CEB) | Onigbolo (SBEE) | ONI (SBEE) | 63/20 | Yes | 0.5 |   |   | No |   |   |   |
| 20 | Onigbolo (SBEE) | ONI (SBEE) | Onigbolo PV | ONI PV | 20 | Radio only |   |   |   | Yes | 2 | 2 | 2 |
| 21 | Sakete (CEB) | SAK (CEB) | Sakete (SBEE) | SAK (SBEE) | 20 | Yes | 0.05 |   |   | No |   |   |   |
| 22 | Maria Gleta (CEB) | MAG (CEB) | Maria Gleta (SBEE) | MAG (SBEE) | 161/63 | Yes | 0.2 |   |   | No |   |   |   |
| 23 | Maria Gleta (SBEE) | MAG (SBEE) | Aboney-Calvi-Akassato | AKA | 63 | No |   |   |   | No |   |   |   |
| 24 | Vedoko (SBEE) | CVE (SBEE) | Aboney-Calvi-Akassato | AKA | 63 | No |   |   |   | No |   |   |   |
| 25 | Maria Gleta (SBEE) | MAG (SBEE) | Kokokodji | KOK | 63 | No |   |   |   | No |   |   |   |
| 26 | Vedoko (SBEE) | CVE (SBEE) | Kokokodji | KOK | 63 | No |   |   |   | No |   |   |   |
| 27 | Tanzoun (CEB) | TAN (CEB) | Tanzoun (SBEE) | TAN (SBEE) | 161/20 | Yes | 0.5 |   |   | No |   |   |   |
| 28 | Ancien Pont | APON | Akpakpa | CAK | 63 | No |   |   |   | No |   |   |   |
| 29 | Ancien Pont | APON | Gbegamey | GBE | 63 | No |   |   |   | No |   |   |   |
| 30 | Ancien Pont C181 | APON C181 | Akpakpa | CAK | 15 | No |   |   |   | No |   |   |   |
| 31 | Ancien Pont C181 | APON C181 | 3 Banques | 3BAN | 15 | No |   |   |   | No |   |   |   |
| 32 | 3 Banques | 3BAN | Gbegamey | GBE | 15 | No |   |   |   | No |   |   |   |
| 33 | Ancien Pont C181 | APON C181 | Ancien Pont | APON | 63/15 | No |   |   |   | No |   |   |   |
| 34 | St. Michel C263 | STMI C263 | Gbegamey | GBE | 15 | No |   |   |   | No |   |   |   |
| 35 | St. Michel C263 | STMI C263 | Ancien Pont C181 | APON C181 | 15 | Yes | 2 |   |   | No |   |   |   |
| 36 | Lokossa (SBEE) | LOK (SBEE) | Avakpa (SBEE) | AVA (SBEE) | Unkown | Radio only |  |   |   | Yes | 1 | 40 | 2 |
| 37 | Gbegamey | GBE | Akpakpa | CAK | 63 | No |   |   |   | No |   |   |   |
| 38 | Gbegamey | GBE | OCBN | OCBN | 15 | Yes | 2 |   |   | No |   |   |   |
| 39 | Gbegamey | GBE | Gbegamey C179 | GBE C179 | 15 | No |   |   |   | No |   |   |   |
| 40 | Gbegamey C179 | GBE C179 | Saint Michel C263 | STMI C263 | 15 | Yes | 2 |   |   | No |   |   |   |
| 41 | Gbegamey | GBE | Cadjehoun C180 | CADJ C180 | 15 | No |   |   |   | No |   |   |   |
| 42 | Cadjehoun C180 | CADJ C180 | Vedoko (SBEE) | CVE (SBEE) | 15 | No |   |   |   | No |   |   |   |
| 43 | Gbegamey | GBE | Sainte Rita | RITA | 15 | No |   |   |   | No |   |   |   |
| 44 | Sainte Rita | RITA | Vedoko (SBEE) | CVE (SBEE) | 15 | No |   |   |   | No |   |   |   |
| 45 | N/A |   |   |   |   | No |   |   |   | No |   |   |   |
| 46 | St. Michel C263 | STMI C263 | St Michel 63kV | STMI | 63/15 | No |   |   |   | No |   |   |   |
| 47 | Godomey | GOD | Vedoko (SBEE) | CVE (SBEE) | 15 | Yes | 5 |   |   | No |   |   |   |
| 48 | Godomey | GOD | Kokokodji | KOK | Unkown | No |   |   |   | No |   |   |   |
| 49 | Vedoko (CEB) | CVE (CEB) | Vedoko (SBEE) | CVE (SBEE) | 63/15 | Yes | 0.2 |   |   | No |   |   |   |
| 50 | Lokossa (CEB) | LOK (CEB) | Lokossa (SBEE) | LOK (SBEE) | 63/20 | Yes | 0.5 |   |   | No |   |   |   |
| 51 | Lokossa (SBEE) | LOK (SBEE) | Hagoumé | HAG | Unkown | Radio only |   |   |   | Yes | 1 | 25 | 2 |
| 52 | Avakpa (CEB) | AVA (CEB) | Avakpa (SBEE) | AVA (SBEE) | 20 | Yes | 0.03 |   |   | No |   |   |   |
| 53 | Avakpa (SBEE) | AVA (SBEE) | Allada | ALA | 20 | Yes | 10 |   |   | Yes | 2 | 10 | 2 |
| 54 | Vedoko (SBEE) | CVE (SBEE) | Cadjehoun | CAD | 63 | No |   |   |   | No |   |   |   |
| 55 | Cadjehoun | CAD | Fidjirosse | FID | 63 | No |   |   |   | No |   |   |   |
| 56 | Fidjirosse | FID | Vedoko (SBEE) | CVE (SBEE) | 63 | No |   |   |   | No |   |   |   |
| 57 | Cadjehoun | CAD | Cadjehoun C180 | CADJ C180 | 63/15 | No |   |   |   | No |   |   |   |
| 58 | Vedoko (SBEE) | CVE (SBEE) | Gbedjromede | GBED | 63 | No |   |   |   | No |   |   |   |
| 59 | Gbedjromede | GBED | Croix-Rouge | CXRO | 63 | No |   |   |   | No |   |   |   |
| 60 | Croix-Rouge | CXRO | CIM Benin | CIMB | 63 | No |   |   |   | No |   |   |   |
| 61 | N/A |   |   |   |   | No |   |   |   | No |   |   |   |
| 62 | Akpakpa | CAK | CIM Benin | CIMB | 63 | No |   |   |   | No |   |   |   |
| 63 | CIM Benin | CIMB | Porto-Novo | PTN | 63 | No |   |   |   | No |   |   |   |
| 64 | N/A |   |   |   |   | No |   |   |   | No |   |   |   |
| 65 | Akpakpa | CAK | Seme Industrial & Public | SEM Pub+IND | 63 | Yes |   | 2 | 20 | No |   |   |   |
| 66 | SemeIndustrial & Public | SEM Pub+IND | Porto-Novo (SBEE) | PTN | 63 | Yes |   | 2 | 13 | No |   |   |   |
| 67 | Tanzoun (SBEE) | TAN (SBEE) | Porto Novo (SBEE) | PTN | 63 | Yes | 6 |   |   | No |   |   |   |
| 68 | Seme Public | SEM Pub | Seme Industrial | SEM IND | 63 | Yes | 0.05 |   |   | No |   |   |   |
| 69 | Porto Novo (CEB) | PTN | Porto Novo (SBEE) | PTN | 63/20 | Yes | 0.5 |   |   | No |   |   |   |
| 70 | Porto-Novo | PTN | Porto-Novo Diesel | PTN Diesel | 11 | No |   |   |   | No |   |   |   |
| 71 | Dassa | DAZ | Glazoue | GLZ | 63 | Yes |   | 2 | 23 | Yes | 1 | 23 | 2 |
| 72 | Paouignan | PAO | Dassa | DAZ | 63 | Yes |   | 2 | 14 | Yes | 2 | 14 | 2 |
| 73 | Bohicon | BOH | Paouignan | PAO | 63 | Yes |   | 2 | 59 | Yes | 1 | 59 | 2 |
| 74 | Bohicon | BOH | Bohicon PV | BOH PV | 63 | Yes |   | 2 | 11 | Yes | 1 | 12 | 2 |
| 75 | Aboney-Calvi-Akassato | AKA | Main NDCC Akassato | NDCC - Main | 15 | No |   |   |   | No |   |   |   |
| 76 | SBEE Head Office | SBEE HO | Gbegamey | GBE | Unkown | Yes | 1 |   |   | No |   |   |   |
| 77 | Kandi (CEB) | KAN (CEB) | Kandi 2 | KAN2 | 161/33 | Yes | 0.5 |   |   | No |   |   |   |
| 78 | Kandi 2 | KAN2 | Kandi 1 | KAN1 | 33 | No |   |   |   | No |   |   |   |
| 79 | Malanville (CEB) | MAL (CEB) | Malanville (SBEE) | MAL (SBEE) | 161/33 | No |   |   |   | No |   |   |   |
| 80 | Maria Gleta (CEB) | MAG (CEB) | Maria Gleta (Dual PP Fuel 120 MW) | MAG Dfuel | 161/33 | No |   |   |   | No |   |   |   |
| 81 | Maria Gleta (CEB) | MAG (CEB) | Maria Gleta IPPs (Thermal 360 MW) | MAG IPP | 161/33 | No |   |   |   | No |   |   |   |
| 82 | OCBN | OCBN | Ancien Pont | APON | Unkown | Yes | 2 |   |   | No |   |   |   |
| 23 bis | Maria Gleta | MAG | Main NDCC Akassato | NDCC - Main | Unkown | Yes | 6 |   |   | No |   |   |   |

*Table 5 - List of future communication links at SBEE in scope of works Telecommunication Network*