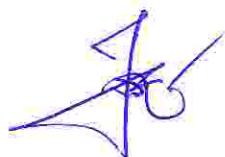


BILL OF QUANTITIES

KIPEVU 132 KV LINE RELOCATIONS

Schedule No. 1. SUPPLY OF TOWER & LINE ACCESSORIES

| Item | Description   | Unit | Qty. | Rate foreign | Rate Local Ksh. | Total Amount Foreign | Total amount Ksh. |
|------|---|------|------|--------------|-----------------|----------------------|-------------------|
|      |   |      |      |              |                 |                      |                   |
|      |   |      |      |              |                 |                      |                   |
|      | <b>TRANSMISSION LINE</b>  |      |      |              |                 |                      |                   |
|      | <b>TOWERS</b>   |      |      |              |                 |                      |                   |
| 1    | Type M angle tension towers ( Double circuit) complete with leg extensions as may require inclusive of all fittings, accessories ,nameplates, number tags,ACD | No.  | 4    |              |                 |                      |                   |
| 2    | Type M tension tower (Double circuit) complete with leg extension inclusive of all fittings accessories ,nameplates, number tags,ACD -no angle                | No.  | 1    |              |                 |                      |                   |
| 3    | Tower earthing materials  | Lot  | 1    |              |                 |                      |                   |
| 4    | Bitumastic paint  | Lot  | 1    |              |                 |                      |                   |
|      | <b>CONDUCTOR AND FITTINGS</b>   |      |      |              |                 |                      |                   |
| 1    | 175 mm <sup>2</sup> ACSR conductor  | km   | 10   |              |                 |                      |                   |
| 2    | 300 mm <sup>2</sup> GOAT conductor  | km   | 10   |              |                 |                      |                   |
| 3    | Vibration dampers   | lot  | 1    |              |                 |                      |                   |
| 4    | Midspan joints  | lot  | 1    |              |                 |                      |                   |
| 5    | Line termination fittings   | lot  | 1    |              |                 |                      |                   |
|      | <b>OPGW EARTH WIRE</b>  |      |      |              |                 |                      |                   |
| 6    | OPGW  | km   | 10   |              |                 |                      |                   |



| Item                | Description  | Unit | Qty. | Rate foreign | Rate Local Ksh. |                             |                          |
|---------------------|--|------|------|--------------|-----------------|-----------------------------|--------------------------|
|                     |  |      |      |              |                 | <b>Total Amount Foreign</b> | <b>Total amount Ksh.</b> |
| 7                   | Vibration dampers  | lot  | 1    |              |                 |                             |                          |
| 8                   | Tension and suspension clamps  | lot  | 1    |              |                 |                             |                          |
| 9                   | Aircraft warning balls   | Lot  | 2    |              |                 |                             |                          |
| 10                  | Splicing boxes   | No.  | 10   |              |                 |                             |                          |
| 11                  | OPGW fittings and accessories  | Lot  | 1    |              |                 |                             |                          |
|                     | <b>INSULATORS AND FITTINGS</b>   |      |      |              |                 |                             |                          |
| 12                  | TENSION insulators with arcing rings and associated clamp and line fittings for LYNX(175mm)sq for two(2) circuits. | Lot  | 1    |              |                 |                             |                          |
| 13                  | TENSION insulators with arcing rings and associated clamp and line fittings for (300mm)sq. for two (2) circuits.   | Lot  | 1    |              |                 |                             |                          |
|                     | <b>TOTAL (To Summary Page)</b>   |      |      |              |                 |                             |                          |
| Name of Bidder      |  |      |      |              |                 |                             |                          |
| Signature of Bidder |  |      |      |              |                 |                             |                          |
|                     |  |      |      |              |                 |                             |                          |

SCHEDULE NO. 2. DESIGN SERVICES

| Item | Description  | Unit | Qty | Rate Foreign | Rate Ksh. |                            |                               |
|------|--|------|-----|--------------|-----------|----------------------------|-------------------------------|
|      |  |      |     |              |           | <b>Total Price Foreign</b> | <b>Total Price Local Ksh.</b> |
| 1    | 132 kV line design   | lot  | 1   |              |           |                            |                               |
| 2    | Training on Tower design ,foundations and erection(Civil,& Electrical) | lot  | 1   |              |           |                            |                               |

|   |   |       |   |  |  |  |  |
|---|---|-------|---|--|--|--|--|
| 3 | Supply Tower design software and Foundation design software | Sets. | 2 |  |  |  |  |
|   | <b>TOTAL (To Summary Page)</b>                              |       |   |  |  |  |  |

|                     |
|---------------------|
| Name of Bidder      |
| Signature of Bidder |
|                     |

Schedule No. 3. INSTALLATION AND OTHER SERVICES

| Item | Description  | Unit | Qty | Rate    | Rate       | Total         | Total Price |
|------|--|------|-----|---------|------------|---------------|-------------|
|      |  |      |     | Foreign | Local Ksh. | Price Foreign | Local Ksh.  |
| 1    | Survey works (check survey, profile and plan surveys), Route clearance, geotechnical investigations and assessment | Lot  | 1   |         |            |               |             |
| 2    | Civil works for foundation works and stub columns, stub protection-per tower                                       | No.  | 5   |         |            |               |             |
| 3    | Erection and stringing per km (including OPGW fusion splicing)-single wire distance                                | Km   | 25  |         |            |               |             |
| 4    | Demolish existing stubs to existing ground level   | No   | 16  |         |            |               |             |
| 5    | CART away 4 towers to Rabai 220kv station  | lot  | 1   |         |            |               |             |
| 6    | Restoration and commissioning of final works   | Lot  | 1   |         |            |               |             |
|      |  |      |     |         |            |               |             |

| Item                           | Description   | Unit | Qty |              |                 |                     |                        |
|--------------------------------|---|------|-----|--------------|-----------------|---------------------|------------------------|
|                                |   |      |     | Rate Foreign | Rate Local Ksh. | Total Price Foreign | Total Price Local Ksh. |
|                                | <b>PRELIMINARIES</b>  |      |     |              |                 |                     |                        |
| 7                              | Mobilization costs  | Lot  | 1   |              |                 |                     |                        |
| 8                              | Administrative costs, Statutory legislation, DOSII, county government, NCA, KPC, KENIHA | Lot  | 1   |              |                 |                     |                        |
| 9                              | Project management facilitation for 3 no. project team on communication & Data          | Lot  | 1   |              |                 |                     |                        |
|                                | <b>FACTORY ACCEPTANCE TESTS (FATs)</b>  |      |     |              |                 |                     |                        |
| 1                              | Tower tests (Tension tower without any extensions, )                                    | Lot  | 1   |              |                 |                     |                        |
| 2                              | Conductor and OPGW tests  | Lot  | 1   |              |                 |                     |                        |
| 3                              | Insulator tests   | Lot  | 1   |              |                 |                     |                        |
| 4                              | Facilitation for project personnel for FAT, including all costs –max 4 staff            | Lot  | 1   |              |                 |                     |                        |
| <b>TOTAL (To Summary Page)</b> |   |      |     |              |                 |                     |                        |
|                                |   |      |     |              |                 | Name of Bidder      |                        |
|                                |   |      |     |              |                 | Signature of Bidder |                        |



SCHEDULE NO. 4. GRAND SUMMARY

| Item                | Description  | Total Price( 3 lots) <sup>1</sup> |       |
|---------------------|--|-----------------------------------|-------|
|                     |  | Foreign                           | Local |
| 1                   | Total Schedule No. 1. Supply of Tower and line accessories |                                   |       |
| 2                   | Total Schedule No. 2. Design Services                      |                                   |       |
| 3                   | Total Schedule No. 3. Installation and Other Services      |                                   |       |
| TOTAL (to Bid Form) |  |                                   |       |
|                     |  | Name of Bidder                    |       |
|                     |  | Signature of Bidder               |       |

TOTAL CARRIED TO FORM OF TENDER

Amount

Words:.....  
 .....  
 .....

Company Stamp

Signed: .....

Name.....Address:  
 .....

Contract Period: ..... Weeks