

SECTION NO. 1**PRELIMINARY AND GENERAL**

| ITEM | DESCRIPTION | UNIT | QTY | RATE | AMOUNT |
|------|---|------|-----|------|--------|
| | <u>SECTION NO. 1</u> | | | | |
| | <u>SCHEDULE NO. 1</u> | | | | |
| | <u>PRELIMINARY AND GENERAL</u> <u>(Applicable to the whole of the Works)</u> | | | | |
| | <u>FIXED CHARGE ITEMS</u> | | | | |
| 1 | Contractual requirements | SUM | | | |
| | <u>Establishment of Facilities on the Site</u> | | | | |
| | <u>Facilities for Engineer</u> | | | | |
| 2 | Name boards. (In No. 2) | SUM | | | |
| | <u>Facilities for Contractor</u> | | | | |
| 3 | Offices and storage sheds | SUM | | | |
| 4 | Workshops | SUM | | | |
| 5 | Laboratories | SUM | | | |
| 6 | Living accommodation | SUM | | | |
| 7 | Ablution and latrine facilities | SUM | | | |
| 8 | Tools and equipment | SUM | | | |
| 9 | Water supplies, electric power, communications, dealing with water, and access | SUM | | | |
| 10 | Dealing with water | SUM | | | |
| 11 | Access | SUM | | | |
| 12 | Plant | SUM | | | |
| 13 | Other fixed charge obligations | SUM | | | |
| 14 | Removal of site establishment | SUM | | | |
| 15 | Complying with Eskom Health and Safety Specification, including all the COVID-19 requirements | SUM | | | |
| 16 | Complying with Environmental, Management Programme Act and all other statutory environmental requirements | SUM | | | |
| 17 | Security for the works for duration of the Contract, equivalent to Bidvest. | SUM | | | |
| 18 | Detailed "as built" records (as per works information) 3 soft copies and 1 hard copy | SUM | | | |
| | <u>CARRIED FORWARD</u> | | | | |
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| ITEM | DESCRIPTION | UNIT | QTY | RATE | |
|------|---|------|-----|------|--|
| | <u>BROUGHT FORWARD</u> | | | | |
| | <u>TIME RELATED ITEMS</u> | | | | |
| 20 | Contractual requirements | SUM | | | |
| | <u>Operation and Maintenance of Facilities on Site, for Duration of Construction, (unless otherwise stated)</u> | | | | |
| | <u>Facilities for Engineer</u> | | | | |
| 21 | Name boards. (In No. 2) | SUM | | | |
| | <u>Facilities for Contractor</u> | | | | |
| 22 | Offices and storage sheds | SUM | | | |
| 23 | Workshops | SUM | | | |
| 24 | Laboratories | SUM | | | |
| 25 | Living accommodation | SUM | | | |
| 26 | Ablution and latrine facilities | SUM | | | |
| 27 | Tools and equipment | SUM | | | |
| 28 | Water supplies, electric power, communications, dealing with water, and access | SUM | | | |
| 29 | Dealing with water | SUM | | | |
| 30 | Access | SUM | | | |
| 31 | Plant | SUM | | | |
| 32 | Supervision for duration of construction | SUM | | | |
| 33 | Complying with Eskom Health and Safety Specification, including all the COVID-19 requirements | SUM | | | |
| 34 | Company and head office overhead costs for duration of construction | SUM | | | |
| 35 | Other time related obligations | SUM | | | |
| 36 | Complying with Environmental Management Programme and all other statutory environmental requirements | SUM | | | |
| 37 | Security for the works for duration of the Contract, equivalent to Bidvest. | SUM | | | |
| 38 | Detailed "as built" records (as per works information) 3 soft copies and 1 hard copy | SUM | | | |
| | <u>SUB TOTAL - CARRIED TO SUMMARY</u> | | | | |
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SECTION NO. 2 -DAY WORKS PROVISIONAL ITEMS

| ITEM | DESCRIPTION | UNIT | QTY | RATE | AMOUNT |
|------|--|--------|-----|------|--------|
| | <u>SECTION NO. 2.</u> | | | | |
| | <u>SCHEDULE NO. 1</u> | | | | |
| | <u>PROVISIONAL AMOUNTS</u> | | | | |
| | Note: This will be used as instructed by the Project Manager and paid with a Site Instruction. | | | | |
| | <u>Transportation for free issue material due to employers risk: (PROVISIONAL)</u> | | | | |
| 1 | Provisional sum, for the collection and delivery of free issue material supplied by Eskom from a predetermined location to site, with a 10 ton flatbed truck including truck hire, driver, etc., complete. (Provisional) | Km | 300 | | |
| | <u>PROVISIONAL DAYWORKS</u> | | | | |
| | <u>Standing Time Due to Employers Risk (Provisional):</u> | | | | |
| | <u>Labour</u> | | | | |
| 2 | Project Engineer | hr | 100 | | |
| 3 | Site Engineer | hr | 100 | | |
| 4 | Design Engineer | hr | 100 | | |
| 5 | Site Foreman | hr | 150 | | |
| 6 | Supervisors | hr | 150 | | |
| 7 | Semi skilled Labourers | hr | 200 | | |
| 8 | Unskilled Labourers | hr | 200 | | |
| 9 | Community Laising Officer (CLO) | month | 15 | | |
| 10 | Driver Operator | hr | 200 | | |
| | <u>Transport and Plant</u> | | | | |
| 11 | 4 x 4 Light vehicle | day | 20 | | |
| 12 | 4 x 4 Light vehicle | km | 200 | | |
| 13 | 8 Ton truck | hr | 100 | | |
| 14 | 8 Ton truck | km | 200 | | |
| 15 | 10 Ton truck | hr | 30 | | |
| 16 | 10 Ton truck | km | 200 | | |
| 17 | 20 Ton Crane Truck | hr sta | 50 | | |
| 18 | 20 Ton Crane Truck | hr wo | 120 | | |
| 19 | Day shift security guard grade C - unarmed | hr | 100 | | |
| 20 | Night shift security guard grade C - armed | hr | 100 | | |
| | <u>SUB TOTAL - CARRIED TO SUMMARY</u> | | | | |
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| ITEM | DESCRIPTION | UNIT | QTY | RATE | AMOUNT |
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| | SECTION NO.3 | | | | |
| | SCHEDULE No. 1 | | | | |
| | <u>PEGGING OF FOUNDATION POSTION</u> | | | | |
| | <u>Design</u> | | | | |
| 1 | Design of type 1 foundations- Dead-man anchor (including concrete encasement of link. The link must protrude out of the ground by a min of 250mm and a max of 650mm) | Hours | 16 | | |
| 2 | Design of type 2 foundations- Dead-man anchor (including concrete encasement of link. The link must protrude out of the ground by a min of 250mm and a max of 650mm) | Hours | 16 | | |
| 3 | Design of type 3 foundations- Dead-man anchor (including concrete encasement of link. The link must protrude out of the ground by a min of 250mm and a max of 650mm) | Hours | 16 | | |
| 4 | Design of type 4 foundations- Dead-man anchor (including concrete encasement of link. The link must protrude out of the ground by a min of 250mm and a max of 650mm) | Hours | 16 | | |
| 5 | Design of soft rock foundations - Rock anchor with foundation cap (including concrete encasement of link) | Hours | 16 | | |
| 6 | Design of hard rock foundations- Rock anchor with foundation cap (including concrete encasement of link) | Hours | 16 | | |
| 7 | Soil nomination for foundations (2 per tower) Construction Records | No | 10 | | |
| 8 | Detailed "as built" records (as per Works Information) 3 soft copies and 1 hard copy | Hours | 16 | | |
| 9 | Detailed "as built" photos (as per Works Information)- see page 10 of design report,, item 4.1 report | No | 24 | | |
| | <u>Construction</u> | | | | |
| 10 | Investigation & categorization of tower earth straps See Specification- LES1040, (per tower) | No | 20 | | |
| 11 | Replace tower earth straps with a corrosion category of 3 and above Cut out corroded section, splice galvanised strap onto both side of existing earth strap, apply corrosion protection layers and incase in 100mm uPVC pipe to include the lower spliced section. Earth straps, 50mm wide galvanised steel flat metal, thickness 2mm | No | 20 | | |
| 12 | Retention all tower anchor guys with a tension reading of 17.5kN and below | No | 20 | | |
| 13 | Supply, install and remove after works- 100kN temporary anchor systems. | No | 2 | | |
| | SUB-TOTAL | | | | |
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| ITEM | DESCRIPTION | UNIT | QTY | RATE | AMOUNT |
|------|--|-------|-----|------|--------|
| | SECTION NO.3 | | | | |
| | SCHEDULE No. 2 | | | | |
| | <u>CONSTRUCTION</u> | | | | |
| 1 | <u>Exposure, Investigation & categorisation of Anchor Links(associated hardware assembly(U-bolt , stay etc and stay wire)</u> | | | | |
| 1a | Excavate and exposed the foundation cap of rock anchor , 350mm deep under ground level \ (Average link exposure 350mm under ground level) | No | 20 | | |
| 1b | Deadman Anchors (Average link exposure 2000mm under ground level) | No | 20 | | |
| | <u>Construction Standard Anchors</u> | | | | |
| | <u>Restoration of Category 1-2 links</u> | | | | |
| 2 | Stabilise and re-compact 1:8 cement / soil or incase in concrete (where original concrete level is within 500mm below NGL | No | 20 | | |
| | <u>Restoration of Category 3-5 links:</u> | | | | |
| 3a | Rock anchor with foundation cap: Sand Blast, clean and re-coat link with Zinc rich paint. Encase link in HDPE tube and fill with concrete (tube dia. typically 450mm) | No | 20 | | |
| 3b | Dead man anchors: Sand blast, clean and re-coat with Zinc rich paint. Encase the link in concrete HDPE tube and fill with concrete(tube min. dia. 150mm) | No | 20 | | |
| | <u>Restoration of Category 6 - 7 links :</u> | | | | |
| 4a | Rock anchor with foundation cap: Assess soil type. Build new foundation , including encasement of link . Transfer stay to new anchor, including associated new hardware and stays. Cut off corroded link 500mm below NGL and back fill excavation. | No | 4 | | |
| 4b | Dead man Anchors: Build new foundation, including encasement of link. Transfer stay to new anchor Cut of corroded link 500mm below NGL and backfill excavation. | No | 4 | | |
| | <u>Repositioning of Guys (Labour only)</u> | | | | |
| | All associated concrete work shall include and be done in compliance with the relevant tests in the Lastest version of TRMSCAAC. | | | | |
| 5a | Preparation of a method statement | Hours | 16 | | |
| 5b | Repositioning of Guys | No | 4 | | |
| 6 | Pull test of rock anchors with foundation cap: Test a minimum of 1 foundation per tower and a maximum of two towers. | No | 4 | | |
| | SUB-TOTAL | | | | |
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|------|---|------|-------|------|--------|
| | SECTION NO.3 SCHEDULE No. 3 <u>ACCESS AND ENVIRONMENTAL WORKS</u> <u>Access Roads</u> <p>As per TRMSCAAC6 and Environmental Management Plan to maintain all existing private farm roads and tracks used to gain access to the servitude for construction purposes and reinstate to at least the original condition upon completion. Photographic evidence of the original condition must be provided by the <i>Contractor</i> before use.</p> <p>As per TRMSCAAC6 and Environmental Management Plan to establish all temporary access roads necessary to gain access to the servitude and tower positions for construction purposes and close on completion, if instructed by the <i>Supervisor</i>.</p> <u>Access</u> <p>Bush clearing of site around tower foot print with an average width 10m including cutting and removing of trees, grubbing up and removal of roots, fill holes with earth selected from the excavated material and consolidate. Environmental and Rehabilitation requirements.</p> <p>Rehabilitation of damage caused during construction to tower sites, access and servitude roads, camp sites, batching plant sitesetc. In accordance with the requirements of the ROD, EMP, TRMSCAAC6 and ESKASABG3.</p> | | | | |
| 1 | | Km | 3 | | |
| 2 | | Km | 3 | | |
| 3 | | m2 | 45000 | | |
| 4 | | m2 | 15000 | | |
| | SUB-TOTAL | | | | |
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| ITEM | DESCRIPTION | UNIT | QTY | RATE | AMOUNT |
|------|--|------|-----|------|--------|
| | SECTION NO.3 SCHEDULE No. 4 <u>SUPPLY HARDWARE MATERIAL</u> <u>NB: All Hardware assembly and stay assembly drawings from the contractors supplier need to be approved by LES.</u> | | | | |
| 1 | Supply and install complete hardware and stay assemblies meentioned below: (Set includes - Adjustable stay assembly, stay/Guywire) load rating (536,4kN) 1400MPa and size 28mm of the staywire. | Set | 20 | | |
| 2 | Supply and install complete hardware and stay assemblies meentioned below: (Set includes - Non - Adjustable stay assembly, stay/Guy and tower shackle) load rating (536,4kN) 1400MPa and size 28mm of the staywire. | Set | 20 | | |
| | SUB-TOTAL | | | | |
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| FINAL SUMMARY - KENDAL-TUTUKA GUY WIRE LINE PROJECT | | |
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| SCHEDULE | DESCRIPTIONS | AMOUNT |
| 1 | <u>SECTION 1 - PRELIMINARY AND GENERAL</u> PRELIMINARY AND GENERAL | |
| 2 | <u>SECTION 2 . PROVISIONAL ITEM</u> PROVISIONAL DAYWORKS | |
| 3 | <u>SECTION NO. 3</u> PEGGING OF FOUNDATION POSTION | |
| 4 | CONSTRUCTION | |
| 5 | ACCESS AND ENVIRONMENTAL WORKS | |
| 6 | SUPPLY HARDWARE MATERIAL | |
| | CONTRACT AMOUNT | |