

## PROJECT: HYDRAULIC SYSTEMS C&amp;I MAINTENANCE AND REFURBISHMENT SERVICE AT KUSILE POWER STATION FOR A PERIOD OF FIVE (5) YEARS

| ITEM NO.       | DESCRIPTION                                                                                                                                                      | UNIT       | QTY      | RATE | AMOUNT |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|----------|------|--------|
| <b>1</b>       | <b>ITEM 1</b>                                                                                                                                                    |            |          |      |        |
|                | <b>PRELIMINARIES AND GENERAL</b>                                                                                                                                 |            |          |      |        |
| <b>1.1</b>     | <b>FIXED P&amp;G</b>                                                                                                                                             |            |          |      |        |
| <b>1.1.1</b>   | <b>Site Establishment &amp; Facilities</b>                                                                                                                       |            |          |      |        |
| 1.1.1.1        | Site Establishment for: Delivery of Office Converted Container Insulated, with Air-Con (L-6m; W-3m)                                                              | Once Off   | 1.00     |      |        |
| 1.1.1.2        | Site Establishment for: Delivery of Kitchen Converted Container Fitted with Single Bowl Sink with a Work Top, Fitted with Undercounter Cupboard L-9m; W-3m       | Once Off   | 1.00     |      |        |
| 1.1.1.3        | Site Establishment for: Delivery of Storage Container, Enclosed with No Windows L-9m; W-2.5m                                                                     | Once Off   | 1.00     |      |        |
| 1.1.1.4        | Site Establishment for: Delivery of Split Male and Female Ablution L-9m; W-3m                                                                                    | Once Off   | 1.00     |      |        |
| 1.1.1.5        | Delivery and connection of power supply to Containers/Parkhomes                                                                                                  | m          | 100.00   |      |        |
| 1.1.1.6        | Delivery and connection of temporary water supply including, piping and storage tank (5000L Jojo) adjacent contractor camp                                       | Once Off   | 1.00     |      |        |
| 1.1.1.7        | Delivery and connection of temporary waste water system, including, piping and plastic under-ground septic tank (2000 litres) typical for 4 to 7 people use      | Once Off   | 1.00     |      |        |
| 1.1.1.8        | Delivery and Installation of Site Fencing (1.8m High Diamond Mesh wire, at 3m c/c Steel Poles, 2 way double swing gate)                                          | m          | 200.00   |      |        |
| 1.1.1.9        | Site Clearance at Contractors Camp                                                                                                                               |            |          |      |        |
| 1.1.1.9.1      | Site Establishment for: Delivery of TLB - 4 X 4 Backhoe Loader (1 Off)                                                                                           | Once Off   | 1.00     |      |        |
| 1.1.1.9.2      | De-Site Establishment for: Delivery of TLB - 4 X 4 Backhoe Loader (1 Off)                                                                                        | Once Off   | 1.00     |      |        |
| 1.1.1.9.3      | TLB - 4 X 4 Backhoe Loader                                                                                                                                       | Per Day    | 1.00     |      |        |
| <b>1.1.2</b>   | <b>Site De-establishment</b>                                                                                                                                     |            |          |      |        |
| 1.1.2.1        | Site De-Establishment for: Collection of Office Converted Container Insulated, with Air-Con. L-6m; W-3m                                                          | Once Off   | 1.00     |      |        |
| 1.1.2.2        | Site De-Establishment for: Collection of Kitchen Converted Container Fitted with Single Bowl Sink with a Work Top, Fitted with Undercounter Cupboard L-9m; W-3m  | Once Off   | 1.00     |      |        |
| 1.1.2.3        | Site De-Establishment for: Collection of Storage Container, Enclosed with No Windows L-9m; W-2.5m                                                                | Once Off   | 1.00     |      |        |
| 1.1.2.4        | Site De-Establishment for: Delivery of Split Male and Female Ablution L-9m; W-3m                                                                                 | Once Off   | 1.00     |      |        |
| 1.1.2.5        | Disconnection and Collection of power supply to Containers/Parkhomes                                                                                             | m          | 100.00   |      |        |
| 1.1.2.6        | Disconnection and Collection of Temporary water supply including, piping and storage tank (5000L Jojo) adjacent contractor camp                                  | Once Off   | 1.00     |      |        |
| 1.1.2.7        | Disconnection and Collection of Temporary waste water system, including, piping and plastic under-ground septic tank (2000 litres) typical for 4 to 7 people use | Once Off   | 1.00     |      |        |
| 1.1.2.8        | Removal and Collection of Site Fencing (1.8m High Diamond Mesh wire, Steel Poles, 2 way double swing gate)                                                       | m          | 200.00   |      |        |
| <b>1.1.3</b>   | <b>Health and Safety Compliance</b>                                                                                                                              |            |          |      |        |
| <b>1.1.3.1</b> | <b>Personal Protective Equipment (PPE)</b>                                                                                                                       |            |          |      |        |
| 1.1.3.1.1      | Overall Trouser                                                                                                                                                  | Per Person | 60.00    |      |        |
| 1.1.3.1.2      | Overall Jacket                                                                                                                                                   | Per Person | 60.00    |      |        |
| 1.1.3.1.3      | Safety Boots                                                                                                                                                     | Per Person | 12.00    |      |        |
| 1.1.3.1.4      | Hardhat                                                                                                                                                          | Per Person | 6.00     |      |        |
| 1.1.3.1.5      | Reflector Vest                                                                                                                                                   | Per Person | 12.00    |      |        |
| 1.1.3.1.6      | Half Mask Respirator (Reusable)                                                                                                                                  | Per Person | 5.00     |      |        |
| 1.1.3.1.7      | Full Body Harness                                                                                                                                                | Per Person | 6.00     |      |        |
| 1.1.3.1.8      | Ear Muffs (Standard)                                                                                                                                             | Per Person | 6.00     |      |        |
| <b>1.1.3.2</b> | <b>Personal Protective Equipment (PPE) Consumables</b>                                                                                                           |            |          |      |        |
| 1.1.3.2.1      | Dust overalls                                                                                                                                                    | Per Person | 1 560.00 |      |        |
| 1.1.3.2.2      | Mask (20 in a box)                                                                                                                                               | Per Box    | 552.00   |      |        |
| 1.1.3.2.3      | Safety glasses                                                                                                                                                   | Per Person | 12.00    |      |        |
| 1.1.3.2.4      | Ear Protection                                                                                                                                                   | Per Person | 360.00   |      |        |
| 1.1.3.2.5      | Safety Gloves                                                                                                                                                    | Per Person | 120.00   |      |        |
| <b>1.1.3.3</b> | <b>Medicals, Security and Safety Compliance</b>                                                                                                                  |            |          |      |        |
| 1.1.3.3.1      | Safety file                                                                                                                                                      | Once Off   | 1.00     |      |        |
| 1.1.3.3.2      | Medicals - Entry                                                                                                                                                 | Per Person | 30.00    |      |        |
| 1.1.3.3.3      | Medicals - Exit                                                                                                                                                  | Per Person | 6.00     |      |        |
| 1.1.3.3.4      | Police Clearance Certification                                                                                                                                   | Per Person | 30.00    |      |        |
| <b>1.1.3.4</b> | <b>Safety Trainings and Competency</b>                                                                                                                           |            |          |      |        |
| 1.1.3.4.1      | Training (Working at heights)                                                                                                                                    | Per Person | 5.00     |      |        |
| 1.1.3.4.2      | First Aid (Valid for 3 years)                                                                                                                                    | No         | 2.00     |      |        |
| 1.1.3.4.3      | Basic Fire Fighting (Valid for 2 years)                                                                                                                          | No         | 3.00     |      |        |
| 1.1.3.4.4      | OHS Act (Valid for 2 years)                                                                                                                                      | No         | 3.00     |      |        |
| 1.1.3.4.5      | Legal Liability (Once Off) (2 Off)                                                                                                                               | No         | 3.00     |      |        |
| 1.1.3.4.6      | Supervisory Safety (Valid for 2 years) (2 Off)                                                                                                                   | No         | 3.00     |      |        |
| 1.1.3.4.7      | Planned Job Observation (Once Off)                                                                                                                               | No         | 1.00     |      |        |
| 1.1.3.4.8      | HIRA (Valid for 2 years))                                                                                                                                        | No         | 6.00     |      |        |
| 1.1.3.4.9      | Incident Investigator (Valid for 2 years)                                                                                                                        | No         | 6.00     |      |        |
| 1.1.3.4.10     | Evacuation Warden                                                                                                                                                | No         | 1.00     |      |        |
| <b>1.1.3.5</b> | <b>Occupational Hygiene Surveys (All Areas)</b>                                                                                                                  |            |          |      |        |
| 1.1.3.5.1      | Illumination for Office, Kitchen, Ablution and Storage Containers (valid for 2 years)                                                                            | No         | 12.00    |      |        |
| 1.1.3.5.2      | Indoor Air Quality for Office container (valid for 2 years)                                                                                                      | No         | 3.00     |      |        |
| 1.1.3.5.3      | Ergonomics (valid for 2 years)                                                                                                                                   | No         | 3.00     |      |        |
|                | <b>Sub-Total Item 1.1 (Fixed P&amp;G):</b>                                                                                                                       |            |          |      |        |
| <b>1.2</b>     | <b>TIME RELATED P&amp;G</b>                                                                                                                                      |            |          |      |        |
| <b>1.2.1</b>   | <b>Temporary Site Facilities</b>                                                                                                                                 |            |          |      |        |
| 1.2.1.1        | Office Converted Container Insulated, with Air-Con. L-6m; W-3m                                                                                                   | Per Month  | 60.00    |      |        |
| 1.2.1.2        | Kitchen Converted Container Fitted with Single Bowl Sink with a Work top, Fitted with Undercounter Cupboard L-9m; W-3m                                           | Per Month  | 60.00    |      |        |
| 1.2.1.3        | Storage Container, Enclosed with No Windows L-9m; W-2.5m                                                                                                         | Per Month  | 60.00    |      |        |

|         |                                                                                                                       |           |           |  |  |
|---------|-----------------------------------------------------------------------------------------------------------------------|-----------|-----------|--|--|
| 1.2.1.4 | Split Male and Female Ablution Container L-9m; W-3m                                                                   | Per Month | 60.00     |  |  |
| 1.2.2   | <b>Transport and Logistics</b>                                                                                        |           |           |  |  |
| 1.2.2.1 | Home-Work-Home 7-Seater                                                                                               | Per Month | 60.00     |  |  |
| 1.2.2.2 | Sedan-Standby Vehicle                                                                                                 | Per Month | 60.00     |  |  |
|         |                                                                                                                       |           | 0.00      |  |  |
|         | <b>Sub-Total Item 1.2 (Time Related P&amp;G):</b>                                                                     |           |           |  |  |
|         | <b>Total Item 1 (Preliminaries and General) Carried to Final Summary</b>                                              |           |           |  |  |
|         | <b>ITEM 2</b>                                                                                                         |           |           |  |  |
| 2       | <b>RESOURCES</b>                                                                                                      |           |           |  |  |
| 2.1     | <b>NORMAL TIME</b>                                                                                                    |           |           |  |  |
| 2.1.1   | Site supervisor (Min 10 Year of Experience) (1 Off)                                                                   | Per Hour  | 5 760.00  |  |  |
| 2.1.2   | Technicians (Min 7 Years of Experience) (2 Off)                                                                       | Per Hour  | 11 520.00 |  |  |
| 2.1.3   | Assistance (Min 3 Years of Experience) (2 Off)                                                                        | Per Hour  | 11 520.00 |  |  |
| 2.1.4   | Safety officer (Min 5 Years of Experience) (1 Off)                                                                    | Per Hour  | 1 920.00  |  |  |
|         | <b>Sub-Total Item 2.1 (Normal Time Resources):</b>                                                                    |           |           |  |  |
| 2.2     | <b>OVERTIME (NORMAL OVERTIME AND SATURDAYS)</b>                                                                       |           |           |  |  |
| 2.1.1   | Site supervisor (Min 10 Year of Experience) (1 Off)                                                                   | Per Hour  | 3 600.00  |  |  |
| 2.1.2   | Technicians (Min 7 Years of Experience) (2 Off)                                                                       | Per Hour  | 7 200.00  |  |  |
| 2.1.3   | Assistance (Min 3 Years of Experience) (2 Off)                                                                        | Per Hour  | 7 200.00  |  |  |
| 2.1.4   | Safety officer (Min 5 Years of Experience) (1 Off)                                                                    | Per Hour  | 3 600.00  |  |  |
|         | <b>Sub-Total Item 2.2 (Normal Overtime and Saturdays Resources):</b>                                                  |           |           |  |  |
| 2.3     | <b>SUNDAYS &amp; P/H OVERTIME</b>                                                                                     |           |           |  |  |
| 2.3.1   | Site supervisor (Min 10 Year of Experience) (1 Off)                                                                   | Per Hour  | 1 625.00  |  |  |
| 2.3.2   | Technicians (Min 7 Years of Experience) (2 Off)                                                                       | Per Hour  | 3 250.00  |  |  |
| 2.3.3   | Assistance (Min 3 Years of Experience) (2 Off)                                                                        | Per Hour  | 3 250.00  |  |  |
| 2.3.4   | Safety officer (Min 5 Years of Experience) (1 Off)                                                                    | Per Hour  | 1 625.00  |  |  |
|         | <b>Sub-Total Item 2.3 (Normal Overtime and Saturdays Resources):</b>                                                  |           |           |  |  |
| 2.3     | <b>STANDBY ALLOWANCE</b>                                                                                              |           |           |  |  |
| 2.3.1   | Site supervisor (Min 10 Year of Experience) (1 Off)                                                                   | Per Day   | 840.00    |  |  |
| 2.3.2   | Technicians (Min 7 Years of Experience) (2 Off)                                                                       | Per Day   | 1 680.00  |  |  |
| 2.3.3   | Assistance (Min 3 Years of Experience) (2 Off)                                                                        | Per Day   | 1 680.00  |  |  |
| 2.3.4   | Safety officer (Min 5 Years of Experience) (1 Off)                                                                    | Per Day   | 840.00    |  |  |
|         | <b>Sub-Total Item 2.3 (Normal Overtime and Saturdays Resources):</b>                                                  |           |           |  |  |
|         | <b>Total Item 2 (Resource) Carried to Final Summary</b>                                                               |           |           |  |  |
|         | <b>ITEM 3</b>                                                                                                         |           |           |  |  |
| 3       | <b>TOOLS AND EQUIPMENTS</b>                                                                                           |           |           |  |  |
| 3.1     | 40bar Hand held pressure pump                                                                                         | No        | 5.00      |  |  |
| 3.2     | Fuke 179 Multimeter                                                                                                   | No        | 4.00      |  |  |
| 3.3     | Intel Core i7 Industrial Laptop (Rugged) complete with operating system, including licensed office productivity suite | No        | 2.00      |  |  |
| 3.4     | 65 Pieces Technician Tool Box                                                                                         | No        | 2.00      |  |  |
|         | <b>Total Item 3 (Tools and Equipments) Carried to Final Summary</b>                                                   |           |           |  |  |
|         | <b>FINAL SUMMARY</b>                                                                                                  |           |           |  |  |
| ITEM 1  | PRELIMINARIES AND GENERAL                                                                                             |           |           |  |  |
| ITEM 2  | RESOURCES                                                                                                             |           |           |  |  |
| ITEM 3  | TOOLS AND EQUIPMENTS                                                                                                  |           |           |  |  |
|         | <b>Total Amount (Excl VAT)</b>                                                                                        |           |           |  |  |