DIRECTORATE: BTO/ENGINEERING

PROJECT DESCRIPTION: APPOINTMENT OF TWO(2) SERVICE PROVIDERS TO SUPPLY AND DELIVER 11KV RING MAIN UNITS WITH CIRCUIT BREAKER TEE – OFF SWITCH AND METERING UNIT FOR A PERIOD OF THREE (03) YEARS

BID NUMBER: PM171/2018

ADDENDUM NO. 1

<table>
<thead>
<tr>
<th>Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>The bidders were informed during the briefing session held on the 23 July 2019 that two (2) Service Providers will be appointed for this project. During the briefing session bidders raised concern that the RMU we have specified in the document is no longer in the market. The bidders were promised that the municipality will go back and revisit the specification to be in line with what is on the market. The below is an addendum page 34 of tender document. The bidders are required to replace original page 34 of tender document with the below addendum page.</td>
</tr>
</tbody>
</table>
Addendum Page 34

Technical specification:

Ring main Unit type 2 Isolator and CB 12kV 21kA 95 BIL

Ring Main Unit consisting of a single sealed tank with 2 cable switches and earthing switches with making performance, and 1 circuit breaker T-off with a self powered overcurrent & earth fault relay

STANDARDS AND MECHANICAL DATA

Metal Enclosed switchgear: IEC 62271-200
General Purpose switches: IEC 62271-103
Disconnectors and Earthing switches: IEC 62271-102
Switch Fuse Combination: IEC 62271-105
Circuit Breakers: IEC 62271-100
Common clauses: IEC 62271-1
Pressure of SF6 gas: 1.4 bar at 20 °C
Cable bushings: DIN 47636
Temperature class: -25 °C - +40 °C Indoor
Relative humidity max. 24 hour mean 95%
Loss of service continuity LSC 2-PM,
F-mod. LSC 2A-PI Electrical and mechanical classes
- Isolator-module: E3, C2, M1
- Fuse-module: E3, M1
- Circuit Breaker -module: E2, C2, S1, M1
Degree of protection:
- SF6 tank: IP 67
- Fusecanisters: IP 67
- Front cover: IP 2X
- Cable cover: IP 3X
Busbars: 240 mm² Cu
Earth bar (external): bolt dimension: M10 100 mm² Cu
Thickness of Stainless Steel Tank: 3.0 mm
Colours:
- Front cover: RAL 7035
- Side and cable cover: RAL 7035

ELECTRICAL DATA - 12 kV (630A Bus Bar) 95 BIL, 28kV 1 min.

Rated current for busbars: 630 A
Rated current for cable switch disconnector: 630 A
Short time withstand current:
- Cable switch disconnector with interface C (400-bolt) bushing: 21 kAms 3 sec. - Vacuum circuit breaker with interface C (400-bolt) bushing: 21 kAms 3 sec.
- Rated current for transformer fused T-off: 200 A

Impulse withstand voltage:
- To earth and between phases: 95kV
Insulation level:
- Power frequency 1 min: 28kV

■ 3 Way outdoor kiosk mild steel - IP44 rating, IAC 20kA 0.5s

Ring main unit type 2 Isolators & 1-CB 12 kV , 630 A, 21kA
Internal Arc Classification IAC AFL 20kA 0.5 s
Cable test bushings tool free for 2 Isolators & CB with interlocked cover Long Operating handle