

APPENDIX 2

INFORMATION TO BE PROVIDED BY TENDERERS

1.0 GENERAL

1.1 Manufacturers name: _____

2.0 TRANSFORMER DETAIL

1.0 Type of transformer: Outdoor: _____ Indoor: _____

2.0 Number of phases: Single phase: _____ Three phase: _____

3.0 Rated power: _____ kVA

4.0 Impedance (percentage) %: _____

5.0 Primary voltage rating: _____ kV

6.0 Secondary voltage rating: _____ kV

7.0 Tapping Switch.

No of positions: _____ %Steps: _____

8.0 Vector group: _____

9.0 Free Breathing Yes/No

10.0 Sealed Yes/No

11.0 Welded cover Yes/No

12.0 Method of Cooling: _____

13.0 Overall dimensions: Length _____ mm. Breadth _____ mm. Height _____ mm

14.0 Winding material: HV _____ LV _____

15.0 Mass of core and windings: _____ kg

16.0 Oil capacity: _____ (Litres)

17.0 Mass of transformer complete with oil: _____ kg

18.0 HV end turns insulation reinforced Yes/No

19.0 Type of breather and dehydrating agent: _____

20.0 The following information refers to the transformer when connected on the principal tapping and appropriate reference temperature for the class of insulation used.

20.1 Iron loss (Watts): _____

20.2 Copper loss at full load: _____ at _____ °C

20.3 Total load losses (Watts): _____ at _____ °C

20.4 Impedance at full load (percentage) _____ Z _____ X

20.5 Regulation at full load at: 1.0 PF _____ Percent, 0.8 PF _____ Percent at _____ °C

20.6 Efficiency at full load at: 1.0 PF _____Percent, 0.8 PF _____Percent at
_____ °C

20.7 Temperature rise at rated voltage and power of:

Windings: _____ °C

Top oil: _____ °C

END