



C3 Schedule of detailed requirement

Invitation to Bid No.:

Item	PEA Material No.	Quantity	Description
1	-	1 set(s)	<p>Fixed Thermal Camera for 115 kV equipment of 115 kV Substation, using for detection, measurement, monitoring and diagnostic thermal image of 115 kV equipment, with:</p> <p>1.Fixed Thermal Camera, with:</p> <p>Thermal image type : Radiometric</p> <p>Detector : Uncooled microbolometer</p> <p>Resolution : not less than 320 x 240 pixels</p> <p>Spectral range : 7 to 14 μm</p> <p>Image frame rate : not less than 9 Hz</p> <p>Instantaneous field of view : 0.8 to 2.4 mrad must have one in range, or wider</p> <p>Thermal sensitivity : not more than 0.06 $^{\circ}\text{C}$</p> <p>Accuracy : $\pm 2^{\circ}\text{C}$ or $\pm 2\%$ of whichever is greater , or better</p> <p>Temperature range : -10°C to 500°C, or better</p> <p>Focus : Manual</p> <p>Protection : IP 66 , or better</p> <p>Condensation protection : Anti-condensation system</p> <p>Operating temperature : up to 50°C, or better</p> <p>Camera configuration : Browser or Software compatible</p> <p>Network Connectivity : ethernet</p> <p>Power consumption : not more than 30 watts</p> <p>Supply input : single phase 220-230 Vac, 50 Hz</p> <p>Complete with:</p> <p>1.Remote access</p> <p>2.Calibration certification from manufacturer</p> <p>3.Support software using for data analysis and reporting, User definable measurement area (Point, Line, Rect., Polygon, Circle)</p>