

## SCHEDULE OF REQUIREMENTS

- All goods to be delivered Ndjili International Airport Kinshasa, DRC within 4 weeks upon receipt of purchase order from CLIENT.
- All equipment delivered shall comply with specifications.
- Short listed bidders shall deliver samples for bidding evaluation purposes to a representative of the CLIENT in the RSA.
- Quantities required are based on other procurement numbers of radio equipment. Quantities cannot be determined before hand and bidders should be able to supply on demand quantities.
- Bid shall include the following:
  - RG 214 coaxial cable
  - RG 223 coaxial cable
  - Different types of N-type connectors for RG214
  - Different types of BNC Connectors for RG214
  - Different types of BNC Connectors RG223

## TECHNICAL SPECIFICATIONS

3.	<b>TECHNICAL REQUIREMENTS : MOBILE ANTENNAS</b>	
3.1	<b>ELECTRICAL</b>	
3.1.1	<p><b>Frequency range</b></p> <p>The frequency range of the mobile gain, and quarter wave antennas shall be between 400-470MHz.</p>	STATE:
3.1.2	<b>Nominal gain</b>	
3.1.2.1	The nominal gain for the gain antenna shall be between 2dB and 5dB with reference to a quarter wave monopole mounted in the same position as seen in the azimuth.	STATE:
3.1.2.2	The nominal gain of the quarter wave mobile antenna shall be that of unity gain.	STATE:
3.1.3	<p><b>Radiation pattern</b></p> <p>The radiation pattern of the mobile gain and quarter wave antennas shall be omni directional. Documentation of proof shall be supplied.</p>	STATE:
3.1.4	<p><b>Polarization</b></p> <p>The polarization of the mobile gain and quarter wave antennas shall be vertical.</p>	STATE:
3.1.5	<p><b>Voltage Standing Wave Ratio</b></p> <p>The VSWR of the mobile gain, quarter wave and glass mount antennas shall be less than 1.5:1.</p>	STATE:
3.1.6	<b>Power rating</b>	

3.1.6.1	The mobile gain and quarter wave antennas shall be able to handle a power rating of at least 100W.	STATE:
3.1.7	<b>Impedance</b>  The input impedance of the mobile gain and quarter wave antennas <b>shall</b> be 50 ohm.	STATE:
3.1.8	<b>Termination</b>  <b>The mobile gain and quarter wave antennas shall terminate with RG58/U coax cable.</b>	STATE:
3.1.9	<b>Bandwidth</b>  The mobile gain and quarter wave antennas shall have a bandwidth of at least 10 MHz to be able to operate anywhere within the 400-470MHz frequency range.	STATE:
3.2	<b>MECHANICAL</b>	
3.2.1	<b>Maximum wind velocity</b>  The mobile gain and quarter wave antennas shall be able to withstand a maximum wind velocity of 180km/h, without degradation in performance, permanent deformation of the antenna, mechanical and structural damage.	STATE:
3.2.2	<b>Torque</b>  The maximum torque that can be applied to the cover nut of the mobile gain and quarter wave antennas without distorting the footplate shall not be less than 20N/m.	STATE:
3.2.3	<b>Mounting</b>	
3.2.3.1	The mounting hole size of the mobile gain and quarter wave antenna base shall be 19mm in diameter.	STATE:
3.2.4	<b>Antenna angle adjustment</b>	

3.2.4.1	Taken from a vertical angle the antenna whip of the mobile gain and quarter wave antenna shall be able to be adjustable up to 180 degrees.	STATE:
3.2.4.2	The base of the mobile gain and quarter wave antennas shall not be able to bend and must be off the swivel ball type to allow the whip to bend the desired 180 degrees as mentioned in clause 3.2.4.1	STATE:
3.2.5	<p><b>Whip adaptor</b></p> <p>The whip adaptor of the mobile gain and quarter wave antenna shall be of the threaded type and consist of a grub screw to secure the whip to the adaptor. This shall also allow the whip to be changed without replacing the adaptor.</p> <p>The whip adaptor shall have an inner depth of 10mm.</p>	STATE:
3.3	<b>MATERIALS</b>	
3.3.1	<p><b>Whip</b></p> <p>The whips of the mobile gain and quarter wave antenna shall be made of 17-7PH stainless steel.</p>	STATE:
3.3.2	<p><b>Roof plate</b></p> <p>The roof plate of the mobile gain and quarter wave antenna shall be hardened and made of tempered spring steel.</p>	STATE:
3.3.3	<p><b>Grub screws and hex nuts</b></p> <p>The grub screws and hex nuts necessary to secure the base and whips shall be made of stainless steel.</p>	STATE:
3.3.7	<p><b>Sealing Gaskets</b></p> <p>All sealing gaskets needed to secure antenna mountings for the mobile gain and quarter wave antennas shall be made out of rubber.</p>	STATE:

3.3.7.1	The rubber used for the sealing gaskets shall be of IP 55 or 65 rating for weather and sunlight deterioration.	STATE:
3.3.8	<b>Mounting</b>  Seventy (70) percent of all antenna mountings shall be achieved by means of metal screw threaded mechanisms i.e. plastic thread will not be acceptable.	STATE:
3.3.9	<b>Plastics</b>  All plastic material used in the construction of the antenna shall be durable, tough and non-brittle to withstand the constant severe shock, vibration and jarring experienced in typical mobile applications in the DRC road environment.	STATE:
4.	<b>TECHNICAL REQUIREMENTS : BASE/REPEATER ANTENNAS</b>	
4.1	<b>ELECTRICAL</b>	
4.1.1	<b>Frequency range</b>	STATE:
4.1.1.1	The frequency range within which the 3 and 6dB Collinear and Dipole shall operate shall be within the 400-470MHz range.	STATE:
4.1.1.2	The frequency range within which the Corner reflector and Yagi shall operate shall be within the 400 - 470MHz range.	STATE:
4.1.2	<b>Nominal gain</b>	
4.1.2.1	The 3dB gain collinear shall have a nominal gain of 5dBi.	STATE:
4.1.2.2	The 6dB gain collinear shall have a nominal gain of 8dBi.	STATE:
4.1.2.3	The dipole shall have a nominal gain of 2dBi.	STATE:
4.1.2.4	The Corner reflector shall have a nominal gain of 9.5dBd.	STATE:

4.1.2.5	The Yagi shall have a nominal gain of 10dBd.	STATE:
4.1.3	<b>Vertical Beam width</b>	
4.1.3.1	The 3dB collinear shall have a vertical beam width (taken at 3dB points in frequency band) of 28 degrees.	STATE:
4.1.3.2	The 6dB collinear shall have a vertical beam width (taken at 3dB points in the frequency band) of 20 degrees.	STATE:
4.1.3.3	The dipole shall have a vertical beam width (taken at 3dB points in the frequency band) of 66 degrees.	STATE:
4.1.3.4	The Corner reflector shall have a vertical beam width (taken at 3dB points in the frequency band) of 60 degrees.	STATE:
4.1.3.5	The Yagi shall have a vertical beam width (taken at 3dB points in the frequency band) of 30 degrees.	STATE:
4.1.4	<b>Bandwidth, 1.5:1 VSWR (MHz)</b>	
4.1.4.1	The 3dB collinear shall have a bandwidth of at least 20MHz.	STATE:
4.1.4.2	The 6dB collinear shall have a bandwidth of at least 13MHz.	STATE:
4.1.4.3	The dipole shall have a bandwidth of at least 20MHz.	STATE:
4.1.4.4	The Corner reflector shall have a bandwidth of at least 60MHz.	STATE:
4.1.4.5	The Yagi shall have a bandwidth of at least 20MHz.	STATE:
4.1.5	<b>Polarization</b>	
4.1.5.1	The polarization of the 3dB collinear shall be vertical.	STATE:
4.1.5.2	The polarization of the 6dB collinear shall be vertical.	STATE:

4.1.5.3	The polarization of the dipole shall be vertical or horizontal.	STATE:
4.1.5.4	The polarization of the Corner reflector shall be vertical or horizontal.	STATE:
4.1.5.5	The polarization of the Yagi shall be vertical or horizontal.	STATE:
4.1.6	<b>Maximum carrier input</b>	
4.1.6.1	The 3dB collinear shall be able to handle a maximum carrier input of at least 300Watt.	STATE:
4.1.6.2	The 6dB collinear shall be able to handle a maximum carrier input of at least 300Watt.	STATE:
4.1.6.3	The Dipole shall be able to handle a maximum carrier input of at least 150Watt.	STATE:
4.1.6.4	The Corner reflector shall be able to handle a maximum carrier input of at least 100Watt.	STATE:
4.1.6.5	The Yagi shall be able to handle a maximum carrier input of at least 300Watt.	STATE:
4.1.7	<b>Termination</b>	
4.1.7.1	The 3dB collinear shall terminate with an N-type male or female connector.	STATE:
4.1.7.2	The 6dB collinear shall terminate with an N-type male or female connector.	STATE:
4.1.7.3	The Dipole shall terminate with an N-type male or female connector.	STATE:
4.1.7.4	The Corner reflector shall terminate with an N-type male or female connector.	STATE:

4.1.7.5	The Yagi shall terminate with an N-type male or female connector.	STATE:
4.1.8	<b>Lightning protection</b>	
4.1.8.1	The 3dB collinear shall be DC grounded for lightning protection.	STATE:
4.1.8.2	The 6dB collinear shall be DC grounded for lightning protection.	STATE:
4.1.8.3	The Dipole shall be DC grounded for lightning protection.	STATE:
4.1.8.4	The Corner reflector shall be DC grounded for lightning protection.	STATE:
4.1.8.5	The Yagi shall be DC grounded for lightning protection.	STATE:
4.1.9	<b>Temperature Range</b>	
4.1.9.1	The 3dB collinear shall be able to withstand temperatures within the range of -30 to + 60 degrees Celsius.	STATE:
4.1.9.2	The 6dB collinear shall be able to withstand temperatures within the range of -30 to + 60 degrees Celsius.	STATE:
4.1.9.3	The Dipole shall be able to withstand temperatures within the range of -30 to + 60 degrees Celsius.	STATE:
4.1.9.4	The Corner reflector shall be able to withstand temperatures within the range of -30 to + 60 degrees Celsius.	STATE:
4.1.9.5	The Yagi shall be able to withstand temperatures within the range of -30 to + 60 degrees Celsius.	STATE:
4.1.10	<b>Pattern in horizontal plane</b>	

4.1.10.1	The 3dB collinear shall have an omni directional pattern in the horizontal plane.	STATE:
4.1.10.2	The 6dB collinear shall have an omni directional pattern in the horizontal plane.	STATE:
4.1.10.3	The Dipole shall have an omni directional pattern in the horizontal plane.	STATE:
4.1.10.4	The Corner reflector shall have a forward directional pattern in the horizontal plane with a beam angle on the 3dB point of approximately 37 degrees.	STATE:
4.1.10.5	The Yagi shall have a forward directional pattern in the horizontal plane with a beam angle on the 3dB point of approximately 58 degrees.	STATE:
4.1.11	<b>Impedance</b>	
4.1.11.1	The input impedance for the 3dB collinear shall be 50 ohm.	STATE:
4.1.11.2	The input impedance for the 6dB collinear shall be 50 ohm.	STATE:
4.1.11.3	The input impedance for the Dipole shall be 50 ohm.	STATE:
4.1.11.4	The input impedance for the Corner reflector shall be 50 ohm.	STATE:
4.1.11.5	The input impedance for the Yagi shall be 50 ohm.	STATE:
4.1.12	<b>Electrical down tilt option</b>	
4.1.12.1	The 3dB collinear shall have an electrical down tilt option of 0 and 6 degrees.	STATE:
4.1.12.2	The 6dB collinear shall have an electrical down tilt option of 0.3 and 6 degrees.	STATE:

4.2	<b>MECHANICAL SPECIFICATIONS</b>	
4.2.1	<b>Height</b>	
4.2.1.1	The height of the 3dB collinear shall be 2000mm with a margin of $\pm 25$ mm.	STATE:
4.2.1.2	The height of the 6dB collinear shall be 3000mm with a margin of $\pm 25$ mm.	STATE:
4.2.1.3	The height of the dipole's lobe shall not be more than 500mm with a margin of $\pm 10$ mm.	STATE:
4.2.1.4	The height of the Corner reflector shall be 760mm with a margin of $\pm 25$ mm.	STATE:
4.2.1.5	The height (length) of the Yagi shall not be shorter than 1100mm and not longer than 2000mm.	STATE:
4.2.2	<b>Weight exl. Brackets</b>	
4.2.2.1	The weight of the 3dB collinear shall be approximately 2.8kg.	STATE:
4.2.2.2	The weight of the 6dB collinear shall be approximately 3.4kg.	STATE:
4.2.2.3	The weight of the Dipole shall be approximately 1kg.	STATE:
4.2.2.4	The weight of the Corner reflector shall be approximately 15kg.	STATE:
4.2.2.5	The weight of the Yagi shall not exceed 4.0kg.	STATE:
4.2.3	<b>Survival wind velocity</b>	
4.2.3.1	The 3dB collinear with 12.7mm ice on it shall be able to withstand a wind of 160km/h.	STATE:

4.2.3.2	The 6dB collinear with 12.7mm ice on it shall be able to withstand a wind of 160km/h.	STATE:
4.2.3.3	The Dipole with 12.7mm ice on it shall be able to withstand a wind of 160km/h.	STATE:
4.2.3.4	The Corner reflector with 12.7mm ice on it shall be able to withstand a wind of 120km/h.	STATE:
4.2.3.5	The Yagi with 12.7mm ice on it shall be able to withstand a wind of 150km/h.	STATE:
4.2.4	<b>General survival wind velocity</b>	
4.2.4.1	The 3dB collinear shall be able to withstand a wind of up to 240km/h under normal conditions.	STATE:
4.2.4.2	The 6dB collinear shall be able to withstand a wind of up to 160km/h under normal conditions.	STATE:
4.2.4.3	The Dipole shall be able to withstand a wind of up to 240km/h under normal conditions.	STATE:
4.2.4.4	The Corner reflector shall be able to withstand a wind of up to 200km/h under normal conditions.	STATE:
4.2.4.5	The Yagi shall be able to withstand a wind of up to 190km/h under normal conditions.	STATE:
4.2.5	<b>Lateral thrust</b>	
4.2.5.1	The 3dB collinear shall be able to handle a lateral thrust of 270N at a 160km/h wind.	STATE:
4.2.5.2	The 6dB collinear shall be able to handle a lateral thrust of 510N at a 160km/h wind.	STATE:
4.2.6	<b>Wind loading area</b>	

4.2.6.1	The wind loading area of the 3dB collinear measured to an equivalent of a flat plate area shall be approximately 0.058square meters.	STATE:
4.2.6.2	The wind loading area of the 6Db collinear measured to an equivalent of a flat plate area shall be approximately 0.084square meters.	STATE:
4.2.6.3	The wind loading area of the Dipole measured to an equivalent of a flat plate area shall be approximately 0.018square meters.	STATE:
4.2.6.4	The wind loading area of the Corner reflector measured to an equivalent of a flat plate area shall be approximately 0.032square meters.	STATE:
4.2.6.5	The wind loading area of the Yagi measured to an equivalent of a flat plate area shall be approximately 0.063square meters.	STATE:
4.2.7	<b>Antenna base pipe diameter</b>	
4.2.7.1	The antenna base pipe diameter of the 3dB collinear shall be approximately 38mm.	STATE:
4.2.7.2	The antenna base pipe diameter of the 6dB collinear shall be approximately 38mm.	STATE:
4.2.8	<b>Radome diameter</b>	
4.2.8.1	The radome diameter of the 3dB collinear shall be approximately 45mm.	STATE:
4.2.8.2	The radome diameter of the 6dB collinear shall be approximately 45mm.	STATE:
4.2.9	<b>Dimensions</b>	
4.2.9.1	The dimensions of the Dipole shall not exceed 460mm in length by 330 in width.	STATE:

4.2.9.2	The dimensions of the Corner reflector shall not exceed 1300mm in width and 600mm in depth.	STATE:
4.2.9.3	The dimensions of the Yagi shall not exceed 1500mm in length and 500mm in width.	STATE:

3.	<b>TECHNICAL REQUIREMENTS : COAXIAL CABLE</b>	
3.1	<b>PHYSICAL</b>	
3.1.1	<b>INNER CONDUCTOR</b>	
3.1.1.1	The inner conductor of the RG 223/U coaxial cable shall be made of silver-plated copper wire and its diameter shall not be more than 1.0mm and less than 0.80mm.	STATE:
3.1.1.2	The inner conductor of the RG 214/U coaxial cable shall be of multi stranded silver-plated copper and its diameter shall not be more than 2.5mm and less than 2.10 mm.	STATE:
3.1.2	<b>DIELECTRIC CORE</b>	
3.1.2.1	The dielectric core of the RG 223/U coaxial cable shall be made of solid polyethylene (PE) and its diameter shall not be more than 2.95 mm.	STATE:
3.1.2.2	The dielectric core of the RG 214/U coaxial cable shall be made of solid polyethylene (PE) and its diameter shall not be more than 7.28 mm.	STATE:
3.1.3	<b>OUTER CONDUCTOR</b>	
3.1.3.1	The outer conductor of the RG 223/U coaxial cable shall have a double layer made of silver-plated copper braid and its diameter shall not be more than 4.20 mm.	STATE:

3.1.3.1	The outer conductor of the RG 214/U coaxial cable shall have a double layer made of silver-plated copper wire braid and its diameter shall not be more than 8.70 mm.	STATE:
3.1.3	<b>JACKET</b>	
3.1.3.1	The RG 223/U coaxial cable jacket shall be black in color and made off non-migratory PVC and its diameter shall not be more than 5.40 mm.	STATE:
3.1.3.2	The RG 214/U coaxial cable jacket shall be black in color and made off non-migratory PVC and its diameter shall not be more than 10.80 mm.	STATE:
3.1.4	<b>SINGLE BEND</b>	
3.1.4.1	The minimum single bend radius for RG 223/U coaxial cable shall not exceed 30 mm.	STATE:
3.1.4.2	The minimum single bend radius for RG 214/U coaxial cable shall not exceed 55 mm.	STATE:
3.1.5	<b>MULTIPLE BENDS</b>	
3.1.5	The minimum multiple bend radius for RG 223/U coaxial cable shall not exceed 55 mm.	STATE:
3.1.5	The minimum multiple bend radius for RG 214/U coaxial cable shall not exceed 110 mm.	STATE:
3.1.6	<b>OPERATING TEMPERATURE RANGE</b>	
3.1.6.1	The RG 223/U and RG 214/U coaxial cable shall be able to operate in a temperature of -40EC to 70EC	STATE:
3.2	<b>ELECTRICAL</b>	

<p><b>3.2.1 IMPEDANCE</b></p> <p>The RG 223/U and RG 214/U coaxial cable shall have an impedance of <math>50\Omega \pm 1.0\Omega</math>.</p>	STATE:
<p><b>3.2.2 CAPACITANCE</b></p>	
<p>3.2.2.1 The RG 223/U coaxial cable shall not have a higher capacitance than 100.7 pF per meter.</p>	STATE:
<p>3.2.2.2 The RG 214/U coaxial cable shall not have a higher capacitance than 100.7 pF per meter.</p>	STATE:
<p><b>3.2.3 VELOCITY OF PROPAGATION</b></p>	
<p>3.2.3.1 The RG 223/U coaxial cable should have a relative signal propagation of at least 66%.</p>	STATE:
<p>3.2.3.2 The RG 214/U coaxial cable should have a relative signal propagation of at least 66.3%.</p>	STATE:
<p><b>3.2.4 SIGNAL DELAY</b></p> <p>The RG 223/U and RG 214/U coaxial cable signal delay shall not exceed 5.03 ns/meter. The signal delay for 1/2O and 7/8O corrugated coaxial cable shall not be more than 3.8 ns/meter.</p>	STATE:
<p><b>3.2.5 DC RESISTANCE</b></p>	
<p>3.2.5.1 The RG 223/U coaxial cable inner conductor resistance shall not be more than 27.7 <math>\Omega</math> per kilometer and its outer conductor not more 6.7 <math>\Omega</math> per kilometer.</p>	STATE:
<p>3.2.5.2 The RG 214/U coaxial cable inner conductor resistance shall not be more than 7.1 <math>\Omega</math> per kilometer and its outer conductor not more 3.9 <math>\Omega</math> per kilometer.</p>	STATE:

<b>4. TECHNICAL REQUIREMENTS: CONNECTORS</b>	
<b>4.1 ELECTRICAL</b>	
<b>4.1.1 IMPEDANCE</b>  All connectors shall be $50\Omega \pm 1.0\Omega$ impedance.	STATE:
<b>4.1.2 Voltage Standing Wave Ratio</b>	
4.1.2.1 The VSWR of the BNC connectors shall not exceed 1.05 tested at 1 GHz at a power level of 1 Watt.	STATE:
4.1.2.2 The VSWR of the N-type connectors shall not exceed 1.10 tested at 2.5 GHz at a power level of 1 Watt.	STATE:
<b>4.1.2 FREQUENCY RANGE</b>	
4.1.2.1 The operating frequency of the BNC connectors shall be up to 4 GHz.	STATE:
4.1.2.2 The operating frequency of the N-type connectors shall be up to 11 GHz.	STATE:
<b>4.1.3 RF-LEAKAGE</b>	
4.1.3.1 The RF-leakage of the BNC connectors shall not be more than 55 dB measured between 2 - 3 GHz.	STATE:
4.1.3.2 The RF-leakage of the N-type connectors shall not be more than 90 dB measured between 2 - 3 GHz.	STATE:
<b>4.1.4 DIELECTRIC WITHSTANDING VOLTAGE AT SEA LEVEL</b>	
4.1.4.1 The BNC connectors dielectric shall withstand a voltage at sea level of 1.5 kV rms at 50 Hz.	STATE:

4.1.4.2	The N-type connectors dielectric shall withstand a voltage at sea level of 2.5 kV rms at 50 Hz.	STATE:
4.1.5	<b>WORKING VOLTAGE AT SEA LEVEL</b>	
4.1.5.1	The BNC connectors working voltage at sea level shall be able to operate up to 500 V rms at 50 Hz.	STATE:
4.1.5.2	The N-type connectors working voltage at sea level shall be able to operate up to 500 V rms at 50 Hz.	STATE:
4.1.6	<b>INSULATION RESISTANCE</b>	
4.1.6.1	The BNC connector's insulation resistance shall be at least 5000 MΩ.	STATE:
4.1.6.2	The N-type connector's insulation resistance shall be at least 5000 MΩ.	STATE:
4.1.7	<b>CONTACT RESISTANCE</b>	
4.1.7.1	The BNC connectors inner and outer contact resistance shall not be more than 2 mΩ.	STATE:
4.1.7.2	The N-type connectors inner and outer contact resistance shall not be more than 1.0 mΩ.	STATE:
4.2	<b>MECHANICAL</b>	
4.2.1	<b>COUPLING NUT TORQUE</b>	STATE:
4.2.1.1	The BNC connectors coupling nut shall at least withstand a torque of 7 Ncm	STATE:
4.2.1.2	The N-type connectors coupling nut shall at least withstand a torque of 0.68 Nm	STATE:

<p><b>4.2.2 COUPLING NUT RETENTION FORCE</b></p>	
<p>4.2.2.1           The BNC connector coupling nut shall be able to withstand at least a retention force of 450 N.</p>	STATE:
<p>4.2.2.2           The N-type connectors coupling nut shall be able to withstand at least a retention force of 450 N.</p>	STATE:
<p><b>4.2.3 CONTACT CAPTIVATION</b></p>	
<p>4.2.3.1           The BNC connector contact shall be able to withstand at least a captivation of 27 N.</p>	STATE:
<p>4.2.3.2           The N-type connector contact shall be able to withstand at least a captivation of 68 N.</p>	STATE:
<p><b>4.2.4 CABLE RETENTION FORCE</b></p>	
<p>4.2.4.1           The BNC connector cable retention force for RG 223/U shall at least be 125 N and for RG 214 at least 530 N.</p>	STATE:
<p>4.2.4.2           The N-type connector cable retention force for RG 223/U shall at least be 125 N and for RG 214 at least 530 N.</p>	
<p><b>4.3 ENVIRONMENTAL</b></p>	
<p><b>4.3.1 TEMPERATURE RANGE</b></p> <p>All the connectors shall comply with a temperature range of -65EC to +165EC.</p>	STATE:
<p><b>4.3.2 CLIMATIC CATEGORY</b></p> <p>All the connectors shall comply with Climatic category test IEC 55/155/21.</p>	STATE:

<p><b>4.3.3 THERMAL SHOCK</b></p> <p>All the connectors shall comply with thermal shock test MIL-STD-202, Method 107, Condition B.</p>	STATE:
<p><b>4.3.4 MOISTURE RESISTANCE</b></p> <p>All the connectors shall comply with moisture resistance MIL-STD-202, Method 106.</p>	STATE:
<p><b>4.3.5 CORROSION</b></p> <p>All the connectors shall comply with a salt spray test, MIL-STD-202, Method 101, Condition B.</p>	STATE:
<p><b>4.3.6 VIBRATION</b></p> <p>All the connectors shall comply with a vibration test, MIL-STD-202, Method 204, Condition D.</p>	STATE:
<p><b>4.3.7 SHOCK</b></p> <p>All the connectors shall comply with a shock test, MIL-STD-202, Method 213, Condition I.</p>	STATE:
<p><b>4.4 MATERIALS</b></p>	
<p><b>4.4.1 BODIES, CONTACT PINS</b></p> <p>All the connector's bodies and contact pins shall comply with standard QQ-B-626, ISO Cu Zn 38 Pb 2 and made off brass and will be gold plated.</p>	STATE:
<p><b>4.4.2 CONTACT SOCKETS</b></p> <p>All the BNC connectors contact sockets shall comply with standard QQ-C-530/MIL-H-7199, CuBe 2 and made off beryllium-copper, hardened and gold plated.</p>	STATE:

<p><b>4.4.3 OUTER CONDUCTOR</b></p> <p>All the N-type connector's outer conductors shall comply with standard CuSn 4 Te and made of spring bronze and will be sucoplated.</p>	<p>STATE:</p>
<p><b>4.5 TOOL KITS FOR FITTING CONNECTORS</b></p>	
<p>4.5.1 Bidders shall quote for the different types of tools and or kits necessary to fit above mentioned connectors to the 1/2" and 7/8" corrugated coaxial cable. These kits and tools shall form part of the Bid and the contract.</p>	<p>STATE:</p>
<p>4.5.2 Bidders shall quote for a crimping tool for use with the BNC and N-type connectors on the RG 223/U and RG 214/U coaxial cable.</p>	<p>STATE:</p>

**PRICE SCHEDULE**

1. The Price Schedule must provide a detailed cost breakdown for each item.
2. Technical descriptions for each proposed item must provide sufficient detail to allow the Purchaser to determine compliance of Bid with specifications as per Schedule of Requirements and Technical Specifications of this ITB.
3. Estimated weight/volume of the consignment must be part of the documentation submitted.
4. All prices/rates quoted must be exclusive of all taxes, since the CLIENT, including its subsidiary organs, is exempt from taxes.
5. The format shown on the following pages should be used in preparing the Price Schedule. The format uses a specific structure which may or may not be applicable but are indicated to serve as examples.

Name of Bidder: .....					
Item	Description	Unit	Unit Price *	Quantity Required	Total Price per item
GRAND TOTAL					
Delivery Time in 4 weeks after issuing of Purchase Order					

- \*Unit price should be based on Incoterms used i.e. CPT/FOB/FCA/C&P/C&F/DU as the case may be.
- Note: In case of discrepancy between unit price and total, the unit price shall prevail.

Signature of Bidder .....