TECHNICAL SPECIFICATIONS FOR RADIO STUDIO EQUIPMENT

S/N	SPECIFICATION	DESCRIPTION
1	Studio Acoustic	Most conformed to international standard
2	Audio Limiter	doesn't allow the audio to go beyond threshold. Prevent distortion. There by giving perfect audio output to TX
3	Audio delay unit	Prevent unwanted /abusive words during live broadcast
4	Red Light at the entrance of Continuity Studio (ON AIR)	Prevent an authorized entry during live programs
5	Green Light at the entrance of Recording Studio	Prevent any unauthorized entry during recording period
6	Master Control Room	All the Studio signals must passed through, processed and transmit.
7	Digital Audio /Vision Mixer	Digital mixer, with Digital output, LCD, Prefaded listening, line input, microphone input
8	Telephone Hybrid	High Standard with return input/output connection to ease communication with audience (Callers)
9	Recording & Editing Software	Professional Software for content editing. Prior to broadcast
10	Equalizer	Setting low and high frequencies for better and quality audio output
11	Audio/video Amplifier	Improved your signal quality, for crystal clear audio and video
12	Encoder & Decoder Radio/Tv	Using Fiber for Studio TX Link (STL) sending/receiving end
13	Audio Loud Speaker/Headphone	Monitor the audio to a specified threshold for a quality signal be Transmitted to TX for broadcast

14	Filter	Prevent interference between two stations keeps the frequency not to shift off the assigned frequency.
15	Microphone with windscreens	Condenser or Dynamic etc Windscreen protects the mic diaphragm from gusts of air
16	Microphone Stand	Floor Stand, Table Stand or Scissor Arm
17	Intercom (UHF/Walkie Talkie)	Assist easy communication within the Technicians and producers for outdoor or indoor live /recording programs
18	Arrestor (copper)	A precautionary measure against Thunder and Lightening
19	Mast/Tower	maximum Height of 150m Commercial,30m community radio painted Red and White/Orange & white. In a residential areas congested place Tower is recommended
20	OB Van	Equip with camera positioned on a telescope mast minimum height of 8meters to shoot external images. Radio studio with modular design Audio/video editing and camera control Storage and technical area Waiting area to prevent any unauthorized entry. Acoustic isolation (from outside to inside, inside towards other environment Acoustic design to absorb any intense sound generated from the environment
21	RDS (Radio data system)	Radio Data System (sending ASCII text and other

		metadata to the radio display). Indicates radio station name
22	Aviation Light	Red light Installed at the Apex of the Mast/Tower
23	Uninterrupted Power Supply (UPS)	Stand-by Power to maintain continuity in station's operation
24	STL	Studio to Transmitter Link Maxpower 10W