MITS RADIO 90.8 CR

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
MADANAPALLE – 517325, ANDRA PRADESH

STATION FACILITIES

SL.No	Details
1	TRANSMISSION CHAIN
2	TRANSMISSION TOWER
3	ON AIR STUDIO
4	PRODUCTION STUDIO
5	VOICE OVER BOOTH (DISCUSSION STUDIO)

1. TRANSMISSION CHAIN

SL	Description	Make/Model	Qty
1.	50 W FM transmitter in 1+1 Configuration	Make: DB Electronica, Model: Mozart 50S, Digital/analog audio in, with built-in FM stereo exciter.	2
2.	2 bay, vertically polarized VHF transmitting antenna including 2 dipoles, power divider (madeof brass and copper) and interconnecting cables	Varpas Media Technologies Pvt Ltd Model: VHF-DP-CRS	1
3.	Low loss RF cable with N connector on both the ends	RF Co-axial feeder cable, **_7/8" diameter_**,foam filled.	1
4.	Manual changeover equipment for transmitter.	Varpas Media Technologies	1
5.	Transmission equipment mounting arrangement Standard equipment rack	Standard	1
6.	Dummy load (100 W)	Standard	1
7.	Internet Radio Package along with Broadcast processor	ATC Labs,Q10-1101	1
8.	Table top, high quality FM Radio receiver	Toshiba	1
9.	Radio Receiver with recording facility	Amkette	1
10.	**Redundant power supply**: 3 KVA online UPSincluding rack and connectors	Numeric Legrand,Onfiniti FM	1
11.	**Redundant power supply** : SMF batteries for 60mins back up	Quanta, 12V, 65 AH	6

2. TRANSMISSION TOWER

SL	Description	Make/Model	Qty
1.	Supply of 30 Meter self-supported tower (galvanized steel structure) on ground including aviation light, lighting arrestor.	Customized	1

3. ON AIR STUDIO EQUIPMENT

SL	Description	Make/Model	Qty
1	10 Channel analog audio mixer	Yamaha, MG10XU	1
2	PODCAST microphone for host	Shure, type PGA58LC.	1
3	RJ Microphone stand	Onstage/equivalent	1
4	Professional dynamic microphone for guest	Shure, type PGA58LC.	2
5	Table top mic stand	GS	2
6	Studio headphone	Sennheiser, HD206	3
7	Audio distribution amplifier	Behringer, UltralinkPro MX882 V2	1
8	Headphone distribution amplifier 4 channel	Behringer, type HA400.	1
9	2 Channel Soundcard	Behringer, UMC222	1
10	Automation scheduling software	Radioboss, licensed	1
11	Audio work station for On air studio and logger. Specifications - i7 processor, 16GB RAM DDR4, 240GB SSD, 1TB HDD, 19.5"TFT screen, windows	HP with additional accessories tomeet the configuration	1
12	Dual line telephone hybrid	JK Audio, Broadcast Host	1

4. PRODUCTION STUDIO EQUIPMENT

SL	Description	Make/Model	Qty
1	16 Channel analog audiomixer	Yamaha, MG16XU	1
2	Reference studio monitor	Yamaha, HS8	1
3	2 Channel Soundcard	Behringer, UMC222	1
4	Headphone distributionamplifier	Behringer, type HA400.	1
5	Audio editing software	Steinberg Cubase	1
6	Accessories for equipment hosting/mounting	Standard	1
7	Field recorder	Sony ICD-UX570F Light Weight Voice Recorder, with20hours battery life, 4GB Built-In memory -Black	1
8	Multi-camera switcher/streamer	Atem, Minipro	1
9	Work station, Apple M1 chip 8-core CPU/512GB storage/8GB unified memory/4.5k retina display/ magic keyboard/ mouse/with 4TB, externalhard disk	Apple	1
10	License for Edit software Apple finalCUTPRO + Professional post production Downloaded version	Final cut pro	1
11	Audio work station for production studio and logger. Specifications - i7 processor, 16GB RAM DDR4, 240GB SSD, 1TB HDD, 19.5"TFT screen, windows	HP with additional accessories to meet the configuration	2
12	Audio/video capture device for interfacing the Switcher to the Desktop	SDI to HDMI 3G micro	1

5. AUDIO VIDEO STUDIO EQUIPMENT

SL	Description	Make/Model	Qty
1	Studio monitor (50 W)	JBL Professional NANO K4-4" Full-range Powered Monitor Pair	1
2	Cardioid condenser microphone	MXL, type 606	1
3	RJ Microphone stand	Bespeco	1
4	Professional dynamic microphone	Shure, type PGA58LC.	2
5	Table top mic stand	Bespeco Duksm	2
6	Studio headphone	Sennheiser, HD206	3
7	4 K Professional Camcorder	Panasonic AG CX7 4K Professional Video Camera	1
8	Tripod for camera	Manfrotto	1
9	Croma (10'x12') with stand	Canara Lighting Industries	1
10	LED light (1x1) with stand	Canara Lighting industries,Type CLT-90	3
11	Teleprompter with remoteand software	Samvad, Quick pro 19", make Comcon, Software-Stand alone System with standard software license for one machine with one year support including updates in the same version. *Samvad* hardware consisting of Tripod mountable hardware slide support for camera with 2 risers, one height adjustable mirror housing with 1/2 stop mirror glass, 1 Dual display graphic card and 19" prompter display (LED Monitor).	1
12	Wireless in ear for anchor	Shure Brothers	1
13	Wireless camera mountlapel microphone	Sennheiser	1
14	Video Monitor, 22",full HD	Samsung	1
15	Display attachment device	Standard	1
16	Microphone stands	Kadance	8