11.	Protection (i) Reverse polarity protection should be provided. (ii) The final transistor should be protected against high VSWR		
12.	Weight	:	600 g Max with battery.
13.	Power Source	:	2200 mAH 7.2V/7.4V, Ni-Mh
14.	Voltage	:	Test voltage to be indicated by the tenderers.

Transmitter.

1.	RF Power Output	:	1W/5W+/-0.5 dB switch able/programmable.
2.	Frequency Deviation	:	+/- 2.5 KHz Max (For 100% at 1 KHz) for 12.5 KHz channel spacing.
3.	Modulation Sensitivity	:	1 to 10 mV at 1 KHz at mic. Input for +/- 1.5 KHz (for 12.5 KHz channel spacing) standard deviation.
4.	Modulation Distortion	:	Less than 5% at 1 KHz reference for +/- 1.5 KHz(for 12.5 KHz channel spacing) standard deviation.
5.	Modulation Fidelity	:	+1,-3 dB of 6dB/Octave pre-emphasis Characteristics from 350 Hz to 2700 Hz With 1 KHz as reference.
6.	Spurious & Harmonics Suppression	:	Better than 60 dB.
7.	VSWR	:	Better than 1.5

Receiver:

1.	Sensitivity	:	0.30 micro V for 12 dB SINAD.
2.	Squelch Sensitivity	:	0.25 micro V or better at threshold.
3.	Selectivity	:	Better than 60 dB
4.	Image Rejection	:	Better than 65 dB
5.	Audio Output	:	250mW/500mW with less than 5% distortion at 1KHz reference measured at specified AF output.
6.	Audio Response	:	+1,-3 dB of 6 dB/Octave de-emphasis characteristics from 350 Hz to 2700 Hz with 1 KHz as reference.

Rapid Battery Charger :- :

a)	Input Voltage	:	230V+/- 10%,50Hz
b)	Output Voltage	:	As per the set battery pack for which charger is submitted.
c)	Charging Capability	:	Capable of charging 1 battery set at a time.
d)	Battery Charging Rate	:	The charging current shall be within 1 Amp. The charging time shall be 1 to 3 hrs (for charging batteries up to 1800 mAH) or 2 to 4 hrs (for charging batteries from 2000 to 3000 Mah) respectively.