

# HAM Radio

CC- 102 Unit- 3

HAM radio or Amateur radio is a hobby. In fact, it is a community of people who use radio transmitters to amuse themselves. But at times especially in case of disasters it can be lifesaver. This was seen during the Tsunami disaster when the HAM operators helped the people in getting across the message.



Ham is often interpreted as Help All Mankind. Some relates HAM three words with three great Radio scientist, they are Hertz (EM waves), Armstrong (resonant oscillator circuit) and Marconi (1st transatlantic radio contact).

Amateurs talk to local friends over the radio waves using a hand-held transceiver, communicating digitally with packet radio to exchange personal messages or vital information in an emergency. Talking to other HAMs anywhere in the world or engaging in contests with other Radio Amateurs over the air waves.

To operate HAM radio a license from the ministry of information and communication is required. A call sign is provided to the operator and s/he can interact with the other operators anywhere in the world using his/her Call Sign.

The ITU (International Telecommunication Union) has divided all countries into three regions; India is located in ITU Region 3. These region are further divided into competing zones the ITU and the CQ.

There are over 1 lakh people all over the world who pursue this activity in their leisure time. In India the estimate number of HAM operators is about more than 20 thousands. (Banglore - more than 4000)

Late Rajeev Gandhi was a HAM operator, while at present Sonia Gandhi is also A HAM operator.

Government see HAM operator as a necessary evil and are neglected in the society.

In 2005, India launched HAMSAT, an amateur radio satellite.

There are four different grade of licencing / exam (amateur station operator's certificate ASOC) for Ham radio operators.

For detailed procedure visit - DETAILED PROCEDURES RELATED TO APPLICATION FOR A HAM RADIO LICENCE | Home ([vigyanprasar.gov.in](http://vigyanprasar.gov.in))

