

A  
Industrial Visit Report

**ABMSP'S**  
**Anantrao Pawar College of Engineering &**  
**Research, Parvati, Pune 09**



At  
All India Radio: Kolhapur

(31<sup>st</sup> March 2018)

# **RADIO STATION**

## **Sanction of Station**

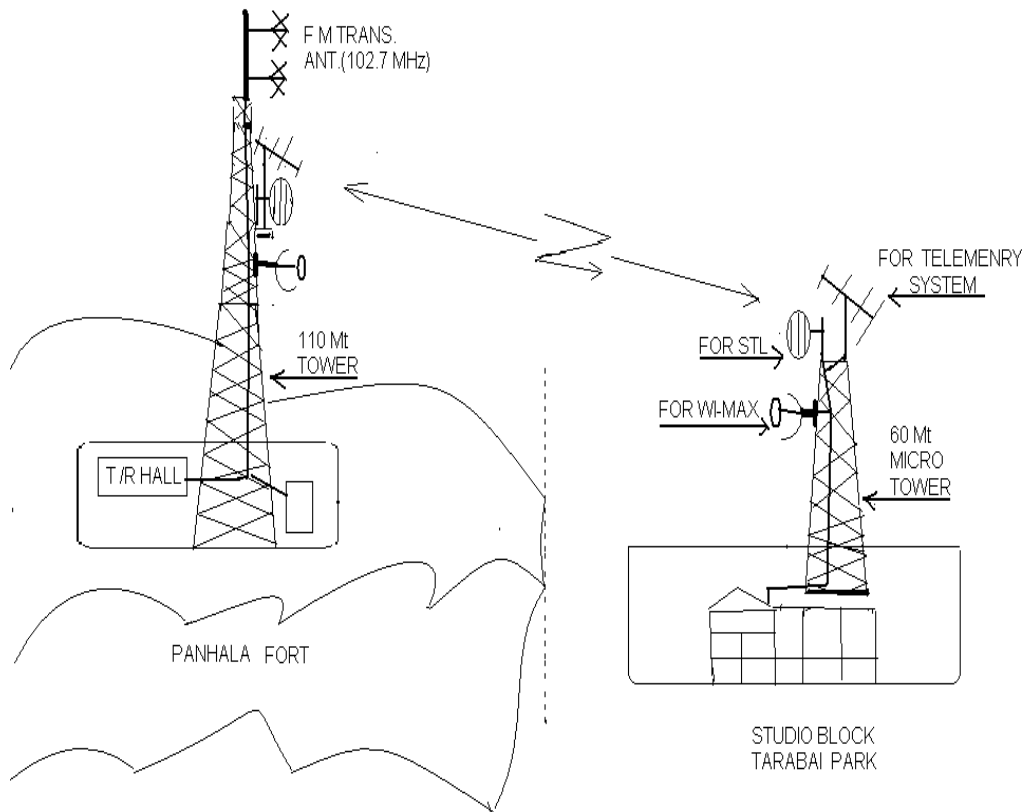
- 1) Site selection
- 2) Building Construction
- 3) Type of Project
- 4) Coside / Noncoside
- 5) Acoustic Tretment
- 6) Equipment Installation
- 7) Inspection
- 8) Staff possition
- 9) Inagation
- 10) Station start

All India Radio Station is situated in Kolhapur District. There are two stations, one is situated in local area of Kolhapur at Tarabai Park and other one is situated in Panhala fort. The one which is situated in main city area is the source station and other one is transmitter. The source station down links all the signals transmitted by Transmitter and that signal broadcasted by the source antenna.

Name of the Station		ALL INDIA RADIO : KOLHAPUR
Date of commissioning		15 <sup>th</sup> May-1992
No of Transmitters		2x3 KW VHF FM Transmitter
Location of Transmitter		A/P Fort Panhala, Tal.Panhala, Dist.Kolhapur
Frequency of Transmission		102.7 MHz
Transmission Timings & Duration		
Transmission	Day	
Morning	Sunday	05:58 A.M. To 10:00 A.M.
	Weekdays	05:58 A.M. To 10:00 A.M.
Afternoon	Sunday	11:58 A.M. To 17:00 P.M.
	Weekdays	11:58 A.M. To 17:00 P.M.
Evening	Sunday	17:58 P.M. To 11:10 P.M.
	Weekdays	17:58 P.M. To 11:10 P.M.
No. of studios		MP Studio & Rehearsal studio
Area covered		About 83 to 90 kms. Except few hilly pockets. (Dist.Kolhapur and part of dist. Of Solapur, Sangli, Satara of Maharashtra state and Bijapur/Belgaum of Karnataka State.)
Programme zone covered by the station		Kolhapur District
Population covered.		Approx. 12 Lacks
E-mail ID of the Station		<a href="mailto:airkolhapur@gmail.com">airkolhapur@gmail.com</a>
Complete address of the Station with PIN Code		All India Radio Kolhapur Sardar Colony, Tarabai Park, Kolhapur – 416 003
Telephone No /Fax No.		0231-2652704/2652624

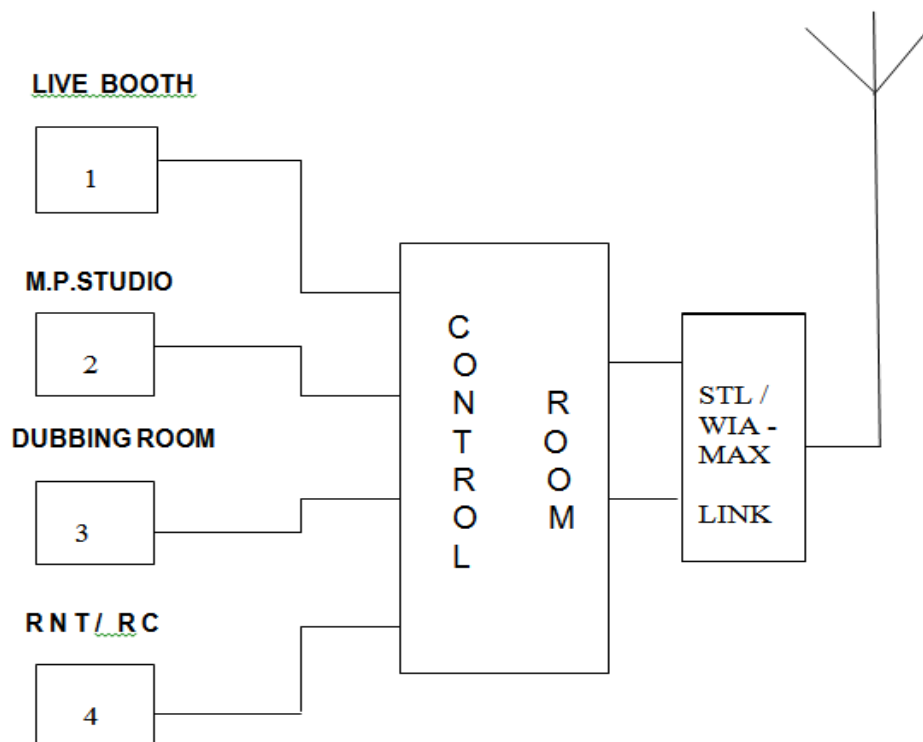
# PROJECT TYPE (NON COSIDE)

AIR FM KOLHAPUR : NON-LOCAL ; NON - COSIDE PROJECT (VII th PLAN)



AT PANCHALA

## BLOCK DIAGRAM OF STUDIO



In that radio station there are four studios present, which are

1. LIVE BOOTH
2. M.P. STUDIO
3. DUBBING ROOM
4. RNT/RC

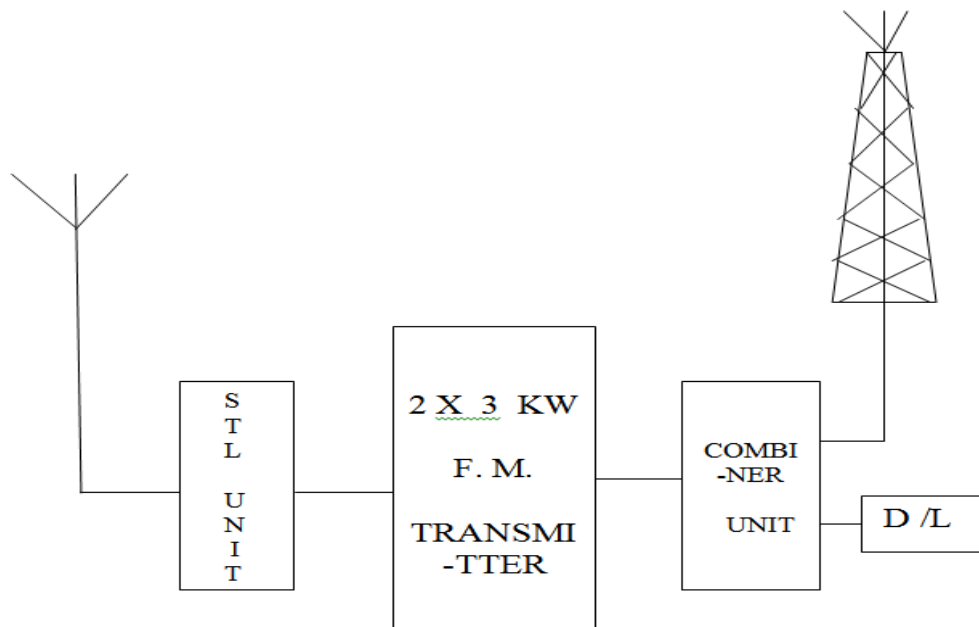
All four studio's output signal is given to the control room which controls the all studios process. The output of the control room is given to the STL/WIA MAX link which broadcast to AIR Panhala.

The use of soundabsorbing materials to give a room a desired degree of freedom from echo and reverberation. The primary duty of the radio service provider is to organize and conduct public broadcasting services to inform, educate and entertain the public and to ensure a balanced development of broadcasting on radio and television.

The radio service provider shall, in the discharge of its functions, be guided by the following objectives, namely:

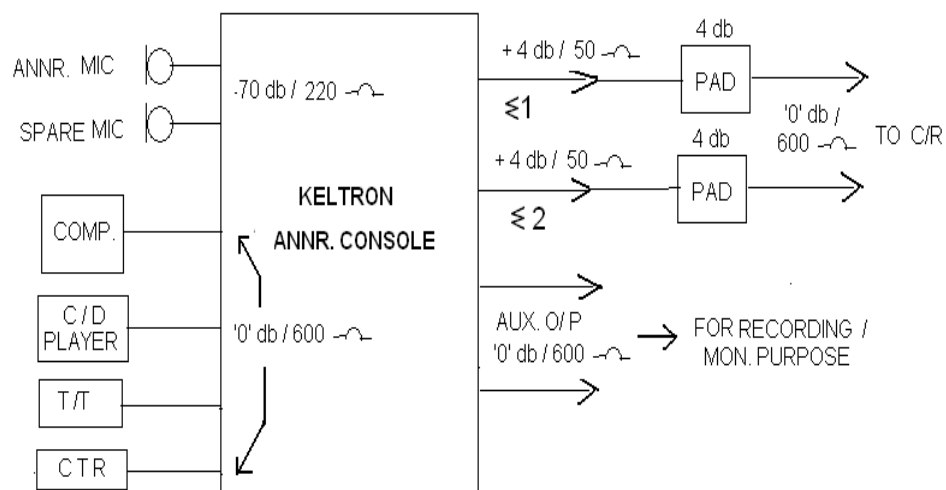
- Upholding the unity and integrity of the country and the values enshrined in the Constitution.
- Safeguarding the citizen's right to be informed freely, truthfully and objectively on all matters of public interest, national or international, and presenting a fair and balanced flow of information including contrasting views without advocating any opinion or ideology of its own.
- Paying special attention to the fields of education and spread of literacy, agriculture, rural development, environment, health and family welfare and science and technology.
- Providing adequate coverage to the diverse cultures and languages of the various regions of the country by broadcasting appropriate programmers.
- Providing adequate coverage to sports and games so as to encourage healthy competition and the spirit of sportsmanship.
- Providing appropriate programs keeping in view the special needs of the youth.
- Informing and stimulating the national consciousness in regard to the status and problems of women and paying special attention to the upliftment of women.
- Promoting social justice and combating exploitation, inequality and such evils as untouchability and advancing the welfare of the weaker sections of the society.
- Safeguarding the rights of the working classes and advancing their welfare.
- Serving the rural and weaker sections of the people and those residing in border regions, backward or remote areas.
- Providing suitable programs keeping in view the special needs of the minorities and tribal communities.

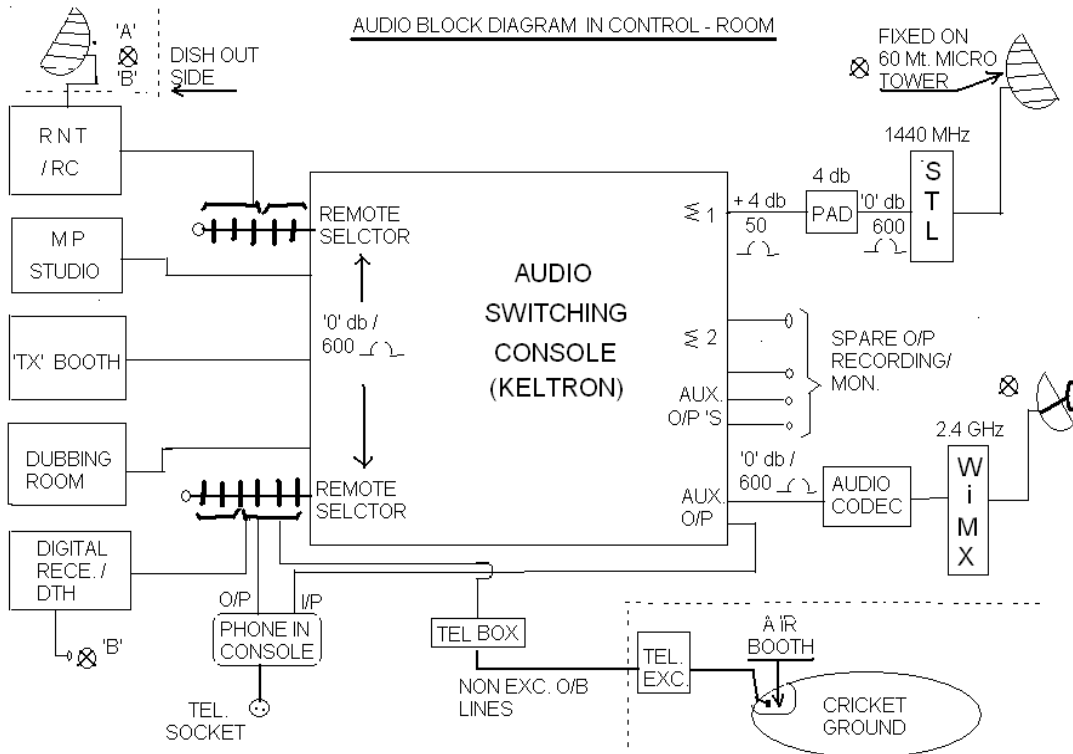
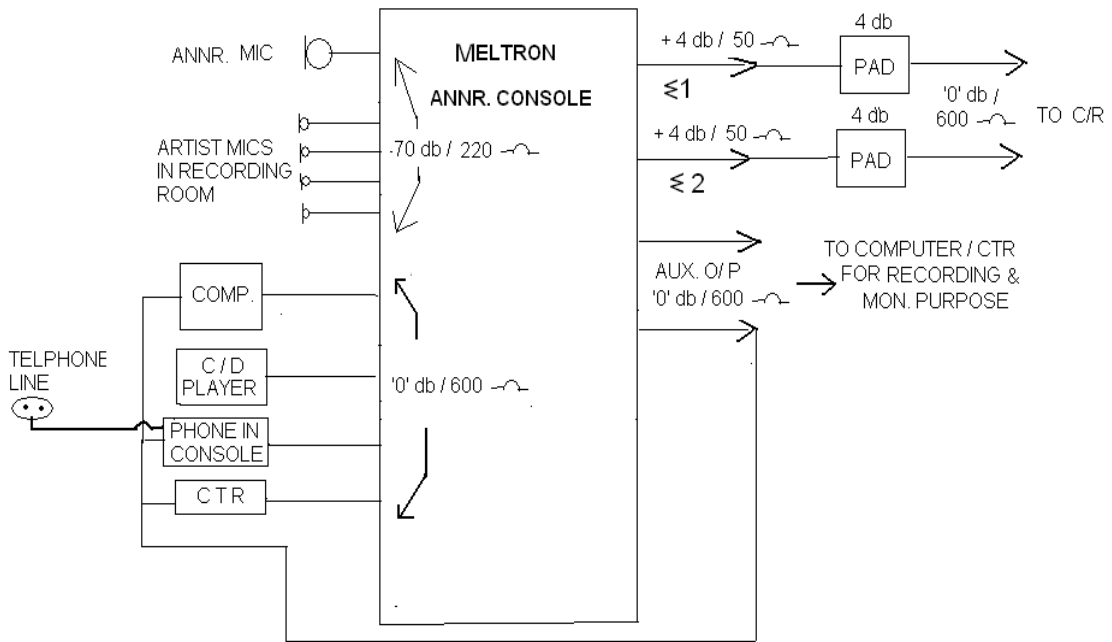
- Taking special steps to protect the interests of children, the blind, the aged, the handicapped and other vulnerable sections of the people.
- Promoting national integration by broadcasting in a manner that facilitates communication in the languages in India; and facilitating the distribution of regional broadcasting services in every State in the languages of that State.
- Providing comprehensive broadcast coverage through the choice of appropriate technology and the best utilization of the broadcast frequencies available and ensuring high quality reception.



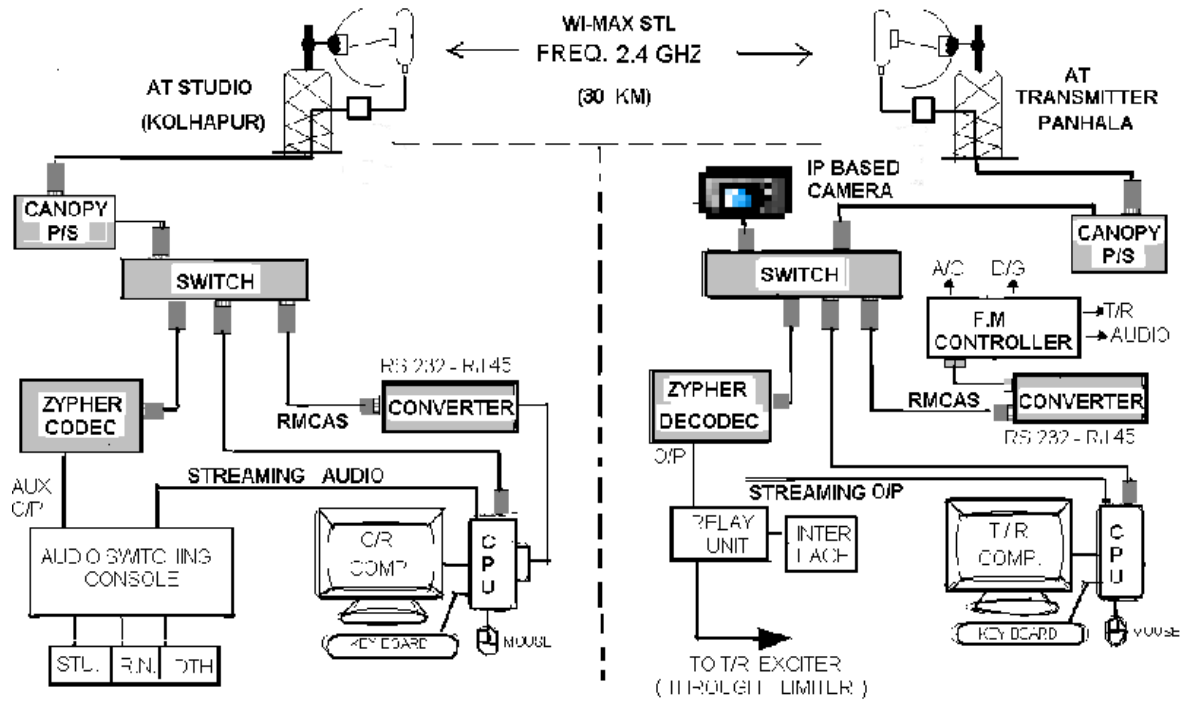
This is the block diagram of the receiver. It consist of STL unit, FM transmitter, combiner unit, D/L and the receiving antenna. The receiving antenna receives the information from the transmitting antenna. The receiving antenna decodes the information. Combiner unit control the all process.

We see the various antenna & there working in detail. We also see antenna positioning system in detailed.





**DIAGRAM OF WI-MAX CANOPY SYSTEM USED AT AIR KOLHAPUR**



<b>Industrial Visit Date</b>	31 <sup>st</sup> March 2018
<b>Location</b>	All India Radio: Kolhapur
<b>Staff</b>	<ol style="list-style-type: none"> <li>1. Prof. Vaishali Bhimte</li> <li>2. Prof. Vikram Ghiye</li> <li>3. Prof. Mandar Kakade</li> </ol>

**STUDENTS VISITED ALL INDIA RADIO STATION**

1	Beri Rohit S	12	Mekhale Archana
2	Bhogaonkar Mansi	13	Mundhe Chandrashekhar A.
3	Chaudhari Akash U.	14	Raut Yogesh
4	Chavan Kanchan	15	Wagh Neha R.
5	Desai Rohan	16	Waghmare Asha
6	Gaikwad Akshay S.	17	Bhandari Dhanush S.
7	Gaikwad Chinmay	18	Dhanashri Balasaheb Kokate
8	Ghadge Dattatray R	19	Mansi Hilal Sonavane
9	Jadhav Ajay L	20	Pratik Nandkumar Kulkarni
10	Khatri Abhishek	21	Shweta Suryakant Kitturkar
11	Manikandan N.	22	Aniket Nikam



We are thankful to our Principal Dr. S. B. Thakare, HOD E&TC Prof. S. S. Hajare, Prof. S. M. Veer, Prof V. V. Bhimte, Prof. V. R. Ghiye, Prof. M. N. Kakade and all staff members of department for organizing such an informative event for us in crucial to develop our practical skills. We have learnt the all process happening in radio station. As we visited to all India radio station Kolhapur on 31<sup>st</sup> march 2018 which located at Sardar colony Tarabai park Kolhapur, we all got lots of knowledge.

In the station 2x3Kw VHF FM Transmitter are used. This transmitter is located at post Panhala fort, Tal: Panhala, Dist.: Kolhapur. The frequency of transmission of this radio station 102.7 MHz.

In this station we saw the multipurpose studio and rehearsal studio. This covers area about 83km to 90km. except few hilly pockets it covers Kolhapur district, some part of Solapur, Sangali, Satara district in Maharashtra and Bijapur/Belgaum of Karnataka state. It covers approximately 12lacks population

