



**Industrial Tour Report**

**Organized by** : SRI VASAVI INSTITUTE OF ENGINEERING AND TECHNOLOGY  
**Name of the Station** : DOORDARSHAN KENDRAPRASARABHRATI  
 (INDIA'S PUBLIC SERVICE BROADCASTER)  
**Location** : VIJAYAWADA  
 Krishna Dist A.P.  
**Date & Time** : 17.10.2022 at 09.30AM

Branch	Year	Semester	No of Students Attended
ECE	IV	I	Boys + Girls
<b>Total No of Students Attended</b>			40

**About DOORDARSHAN KENDRA**

- The DD Kendra consisting of mainly two sections.
  - 1.DDK Studio Section
  - 2.Transmission Section
- At Studio Section: Consists of indoor shooting stage for news and general discussion spot with three major cameras.
- Processing section for both Audio and Video signals in the second room.
- Amplification and signal processing section in the third room.
- Transmission of programs according to their respective pre-planned schedule in the fourth room completed at the studio section.

**Report**

**1. Report in brief by Organizer / Coordinator / Convener:**

The tour is planned on 17-10-2022 after receiving permission letter from DDK on 12-10-2022. Tour Scheduled on 17-10-2022, We reached DD Vijayawada by 11.30 AM and had a very detailed explanation from the department staff about each and every part of the DD Kendra and the equipment used to evaluate the different parameters of the processing.

In the Doordarshan Kendra Vijayawada station covered following things

1. DD Studio which can be used to create program with user convenient after developing video content video data can be mixed with Audio signals is known as video processing which can be done in next room it is known as video and audio processing unit , this process can be repeated for different channels for different program all the channels can applied to the transmitter module

2. The transmitter module or antenna consist of following specifications

**Transmitters Details:**

1. Name of Station : DD Vijayawada
2. Location of the Transmitters : LAT- N 28° 41'51.0"LON- E 77° 09'01.8MSL-218 Meter
3. Description of terrain around the :Urban, dense population, high Site of Transmitters rise buildings, heavy Traffic
4. Classification(Large city/urban/rural) : Large City
5. Rated power of the Transmitter : 10kW
6. Forward radiated Power : 9.0kW
7. Reflected Power : 21-30W
8. VSWR : 1.09
9. Make : RVR
10. Model No. : TXF 10K 0161
11. Frequency of operation : 100.1MHz
12. Date of Commissioning : 14/04/ 2015

**Transmitting Antenna Details:**

13. Type of Antenna : NA
14. Height of Tower : 241 Meter
15. Effective height of antenna(Midbay) : NA
16. Type of Polarization : Circular
17. Antenna Gain(in dB) : NA

By using the above specification Earth stations are designed and Signal will be uplinked to Satellite. Satellite system will be resend the earth station receivers after performing amplification signal will downlinked to different earth station receiver in this way signal will telecasted from DD Vijayawada to different receivers.

We have spent there for almost four hours to know about the complete units and then we left to the Transmission station after finishing our lunch is very useful for the students since they have communication course from the present semester.

All the students are very happy after watching the real equipment which they are listening in the class room.

**Photos:** After Explanation about Doordarshan Kendra Vijayawada small photograph with the resource person KALI PRASAD Garu



GJ4P+W27, TTD Kalyana Mandapam Rd,  
Buckinghampet, Vijayawada, Andhra Pradesh  
520002, India

Latitude

16.50706166666667°

Longitude

80.63486166666667°

Local 01:43:53 PM

GMT 08:13:53 AM

Altitude 8.67 meters

Monday, 17.10.2022

Note : Industrial Visit Doordarshan Kendra Vijayawada

ఎర్త్ స్టేషన్ దూరదర్శన్ కేంద్రం  
విజయవాడ  
एर्थ स्टेशन दूरदर्शन केंद्र  
विजयवाडा  
EARTH STATION DOORDARSHAN KENDRA  
VIJAYAWADA



**Photos:** Doordarshan Kendra Vijayawada Video and Audio Processing Units, High Power Earth station Transmitter unit



### 3. Feedback from students:

- Your overall experience: Excellent
- The comprehensiveness, clarity and accuracy of the information provided on DD: Excellent
- DOORDARSHAN KENDRA representative's knowledge, cooperation and level of assistance: Excellent
- The transportation vehicle: Good
- Trip safety: Good

- This trip in terms of value for money: Good
- Guide's enthusiasm: Excellent
- Guide's knowledge: Excellent
- Guide's Communication: Excellent

**4. Remarks from Resource Person:**

- The students are showing very anxious to know about the equipment and their operation.
- All are very much disciplined in their behavior.
- We feel Very happy in receiving and giving information about our plant
- The Staff members who accompanied them also very co-operative to us.



**Coordinator**



**HoD**