

Inter-IIT Radio Telescope Log

IIT Bombay

- 14th February 2015

Sandesh Kalantre, Kumar Ayush

We went to Lamington road in the morning and brought the following items which will be used in the preliminary stage of the project.

Item	Cost(₹)
60cm Radio Dish with the mount	450
LNB(Low noise block)	350
Satellite Finder	200
Co-axial cable RG-6 (1 m)	-
Total	1000

The items were purchased from *Ravi Enterprises* for a total cost of ₹1000. The amount was split equally between Sandesh and Ayush.

Note: We had planned to get a dish of size $\sim 1\text{m}$. However, it seems that such a dish is not commercially available and hence the 60cm standard dish for DTH-TV connections was purchased.

- 28th February 2015

Sandesh Kalantre, Kumar Ayush, Raj Kedia

We assembled the dish and LNB arm. It seems that we will have to build a system for the azimuthal mount. We could not get the satellite finder to work with the assembled dish as it seemed we needed a receiver to draw power for the satellite finder.

- 4th March 2015

Sandesh Kalantre, Kumar Ayush, Alankar Kotwal

We started with a meeting in TL in which we discussed on the possible mode of operation of the satellite finder. We decided to test the satellite finder using a function generator but we lacked the required **Type F**

connectors. Also we discovered that the LNB input and receiver output terminals are just shorted so using the satellite finder as a receiver may not be feasible.

To do:

- Buy **Type F** connector
- See a basic demo of the proposed idea from Anchal Gupta
- Enquire IITD group about their receiver system