L-BAND DIGITAL DVB - S / DVB - 52 DIGTTAL SATETLTTE RECETVER (IRD):

The IRD should have a front panel display and one should be able to enter or edit all the parameters for a perfect reception of the signals. There should be provision for observing the BER of the signal and signal level on the front panel. It will be required for receiving Audio Signal Only.

RF Parameter Specifications:

Sl. No.	Parameter	Range
1	Input Frequency Range	950-1750 MHz
2	No. of Inputs	1 nos.
3	Tuning Step Size	1 KHz
4	Satellite Frequency Bank	C-& KU-Band, selectable
5	Input Impedance	75 Ohms
6	Input Connector	F-Type Female
7	Output Connector	XLR for analog & AES-EBU
8	Input Power Range	-30 to -65 dBm per carrier
9	De-modulation Method	DVB-S QPSK, DVB-S2 QPSK, mpeg-4 demodulation
10	Variable Symbol Rates	0.128 to 10 M sym/sec
11	Convolution Inner FEC Rates selectable	R=L / 2,2 / 3,3 / 4,5 / 6,7 / 8(DVB-S,QPSK) R=1/3, 2f5, Y2, 3/5, 2/3, 3/o, 4f5, 516, 8/9, 9/10 (DVB-S-2, QPSK)
12	IF filter Bandwidth	Automatic selection (Dependent on Symbol Rate)

23-09-26

RATAN DEBNATH
CONVENER

23/09/26

SHANTANU KARMAKAR
AE

23/09/26

DEBAPRASAD NATH
ADE

JITEN KUMAR RAY
DDG