

By Speed Post/FAX

**PRASAR BHARTI (BCI)
DIRECTORATE GENERAL: DOORDARSHAN
DOORDARSHAN BHAVAN, COPERNICUS MARG,
NEW DELHI - 110 001.**

F. No 1 (3) 2008-09-EI-P (TV)

Dt. 13.04.2009

To.

M/s -----

Subject: Procurement of 500W (1+1) Auto Mode VHF and UHF LPTs.

Dear Sir,

The following enclosed Clarifications to the specification no. DD/Tx/500W LPT (1+1)E-V/2008 dt.26.02.2009 are here by authorized.

This is however without any commitment whatsoever at this stage.

Yours faithfully



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S.No	DD para No	Clarification required	Comments
1		Whether Digital IF & Analog IF are of same frequency ? This is necessary for enabling the system to switch from Analog to Digital mode	Refer DD spec para No 3.3.3 (IF carriers a. Vision : 38.9 MHz and b. Aural : 33.4 MHz) this is for analog Tx and for Digital Tx bidder has to decide but it should meet the Digital DVB-T specifications.
2		Please mention whether the CBF is different for analog & Digital modes? Also please provide Specification	You are requested to go through the Specification once again. [Note below para 3.5.13(<i>Note: In case separate analogue output filter is required at the output for analogue mode operation of the Transmitter. The same is to be offered and supplied with the system for the channel of operation of the transmitter.</i>) and para 3.6.13 (<i>To meet the standard of Digital mode operation for the channel of operation of the transmitter.</i>). However the filter supplied must meet the specification for Analog Tx as well as Digital Tx <i>as per ITU specifications.</i>
3		What are the power requirements for analog mode and for Digital mode at the output of the power Amplifier? If it is 500W in Analog mode then it will be much less in Digital mode	You are requested to go through the Specification once again. Para 3.3.6 Output power for analog Tx (for single transmitter) (a) Visual (sync peak) = 500 W [At the output of the band pass filter of the Tx.] (b) Aural = 50W [At the output of the band pass filter of the Tx.] For Digital Transmitter para 3.6.6 Average out power in Digital Mode To be specified by OEM At the output of the band pass filter of the Tx We are not interested in specifying the output power at power amplifier stage.
4		Whether the Upconverter & power amplifier will be same for Analog & Digital	The Tx must be same which can function as Analog Tx and also able to work as Digital Tx in DVB-T format with minimum modifications

CPH

Sanjiv
13/11