



All India Radio



Corrigendum to Tender Enquiry No. 12(26)10- D(P)/543-D(P-S)Cell for “STC of 100KW Solid state AM-DRM Medium Wave Transmitter”

The following amendments may please be incorporated in the specification No. XTE-201/1 of “STC of 100KW Solid state AM-DRM Medium Wave Transmitter”

100kW Solid State AM-DRM Medium Wave Transmitter Specification Document No. XTE-201/1

Additional Information

Station	Station Freq. (KHz)	Mast Height (M)	Mast base impedance at operating frequency	Remarks
Mumbai-A,	1044	91.5	190.46+j209.3	Single Mast
Varanasi,	1242	110	260.87-j317.59	Single Mast
Pasighat,	1062	75	89 + j 154	Single Mast
Patna,	621	122	60.08+j76.9	Single Mast
Kolkata-B,	1008	122	639 – j80	Single Mast
Ranchi,	549	100	31.5-j40	Single Mast
Tiruchirapalli	936	171	90.79-j205.86	Single Mast

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Station	Station Freq. (KHz)	Mast Height (M)		Mast base impedance at operating frequency	Spacing between Mast (M)	Line of Mast (Degree East of North)	Remarks
		Mast 1	Mast 2				
Mumbai “B”	558	91.5	91.5	Mast1 : 9.91-j106.5 Mast2 : 20.58-j88.82	130	270	Masts M1 & M2 are fed in 30:70 ratio.

Panaji	1287	110	115	Mast1 : 188.59-j178.97 Mast2 : 242.53-j167.9	87.4	30	Masts M1 & M2 are Fed in 30:70 ratio.
Vijaywada	837	138	138	Mast1 : 629 + j 137 Mast2 : 601 + j 103	131	330	Both Masts are fed equal power
Pune	792	70	70	14.40 – j 18.56	47	315	One Active, one passive

Mast base impedance measurements for 100 KW, Medium Wave Transmitting Antennae have been undertaken by All India Radio at ± 20 kHz from centre frequency. They indicate that the VSWR at ± 10 kHz from centre frequency is 1.1:1 or better. Even the VSWR at ± 20 KHz from centre frequency is also very close to 1.1:1 or better."

Yours faithfully,

(Swati Maitra)
Assistant Engineer(Purchase)
For DG:All India Radio