

Table 1.2 : Design Ambient Dry Bulb Temperature & Coincident Wet Bulb Temperature of

City or STN Name	Longitude	Latitude	Elevation In M	Cooling DB/MCWB of				Cooling WB/MCDB of				Heating DB / MCWB of							
				0.40%		1.00%		2.00%		0.40%		1%		2%		99.60%		99%	
				DB	MCWB	DB	MCWB	DB	MCWB	WB	MCDB	WB	MCDB	WB	MCDB	DB	MCWB	DB	MCWB
Ahmedabad	72° 37'	23° 42'	55	107.6	69.5	106.2	73.2	104.4	74.0	83.8	93.0	82.8	92.3	81.9	88.3	52.5	48.5	54.5	49.6
Akola	77° 1'	20° 42'	282	109.2	73.3	107.6	72.1	105.8	73.0	81.1	94.8	79.7	99.8	78.3	95.9	55.2	48.7	57.4	51.9
Allanabad	81° 43'	25° 27'	98	109.8	75.4	108.0	76.3	105.8	73.3	86.9	92.8	85.3	91.2	84.2	91.9	46.9	41.6	49.5	47.7
Amritsar	74° 52'	31° 37'	234	107.2	75.1	104.9	82.3	102.6	71.5	86.5	93.2	85.3	91.9	84.2	92.5	39.7	37.5	41.7	39.3
Aurangabad	75° 24'	19° 51'	579	104.7	78.7	102.2	72.4	100.4	73.6	79.9	89.5	78.8	92.9	78.1	88.4	50.4	47.9	52.5	48.3
Barmer	71° 22'	25° 45'	194	109.4	75.0	107.4	73.2	105.4	76.0	84.0	96.8	82.4	95.1	81.0	90.6	49.1	46.0	50.9	43.4
Belgaum	74° 37'	15° 51'	747	98.6	66.1	97.3	66.1	95.4	68.4	75.9	83.2	74.8	81.4	73.9	80.2	54.3	51.8	57.2	54.6
Bangalore	77° 34'	12° 58'	921	94.5	70.1	93.0	68.8	91.2	69.3	75.2	84.7	74.1	84.8	73.2	81.1	59.0	58.0	60.3	58.8
Bhagalpur	86° 56'	25° 13'	49	104.0	84.5	101.5	79.8	99.3	80.4	87.1	96.1	85.6	97.3	84.7	94.4	53.1	50.8	54.5	52.5
Bhopal-Baira-garh	77° 20'	23° 16'	523	107.4	79.8	105.6	75.3	102.9	72.0	81.0	105.4	79.3	90.2	78.3	90.2	49.6	43.1	51.4	47.3
Bhubaneswar	85° 49'	20° 15'	46	101.5	83.9	99.5	83.2	97.9	83.0	85.5	95.9	84.7	95.7	84.0	93.3	56.7	54.4	58.8	56.3
Bhuj	69° 40'	23° 15'	80	105.3	70.9	103.1	73.0	100.9	78.2	84.2	97.0	83.3	96.5	82.4	93.8	49.8	44.7	51.6	49.1
Bikaner	73° 18'	28° 0'	224	112.3	72.0	109.6	70.9	107.2	74.2	83.5	93.5	82.8	93.0	82.0	91.4	39.6	38.2	42.8	39.1
Chennai-Mi-nambakkam	80° 10'	13° 0'	16	103.6	80.5	100.2	76.5	97.9	78.2	84.2	91.6	83.5	91.6	82.4	91.1	68.7	67.4	69.8	68.1
Chitradurga	76° 25'	14° 13'	733	97.3	68.8	96.1	68.9	94.6	70.1	76.3	93.0	75.4	80.1	74.7	82.8	61.2	56.4	62.6	57.9
Dehradun	78° 1'	30° 19'	682	97.5	66.1	95.9	68.3	93.9	73.6	80.6	86.8	79.9	84.6	79.2	86.6	42.8	41.4	44.2	42.6
Dibrugarh	95° 1'	27° 28'	111	93.7	81.4	92.1	81.2	90.3	80.4	82.9	91.9	82.0	90.6	81.3	88.2	46.4	45.6	48.7	47.9
Gorekhpur	83° 22'	26° 45'	77	103.5	76.3	101.7	79.4	99.3	71.1	85.5	91.5	84.6	91.1	84.0	90.0	47.3	45.1	50.4	47.8
Guwahati	91° 34'	26° 6'	54	94.3	78.9	92.1	80.0	90.5	81.4	83.5	88.4	82.2	89.4	81.7	88.3	49.1	48.2	52.2	51.6
Gwalior	78° 15'	26° 13'	207	110.5	74.0	107.8	72.8	105.6	75.7	82.0	96.5	81.3	92.9	80.4	91.1	40.8	38.2	42.6	40.1
Hissar	75° 43'	29° 10'	221	112.3	78.2	110.5	74.7	108.7	73.9	86.2	93.3	85.3	93.7	84.4	92.7	44.1	44.0	46.2	45.1
Hyderabad-AP	78° 28'	17° 27'	545	102.9	71.9	100.6	72.8	99.1	72.5	78.1	92.9	77.2	88.0	76.3	86.8	56.8	52.8	59.2	55.4
Imphal	93° 54'	24° 46'	781	88.2	74.6	86.7	74.9	85.6	73.8	77.0	85.1	76.5	84.6	75.7	83.5	37.8	37.0	39.7	38.9
Indore	75° 44'	22° 43'	567	104.4	70.3	103.1	68.3	101.3	65.5	77.5	88.6	77.0	85.9	76.3	85.9	49.1	45.7	50.7	46.0
Jabalpur	79° 56'	23° 12'	393	105.3	72.0	103.6	72.0	101.5	72.0	80.1	94.0	79.5	92.0	78.8	89.1	47.7	46.7	49.5	46.7
Jagdalpur	82° 1'	19° 4'	553	101.5	70.9	100.0	74.6	97.5	70.9	78.8	91.1	77.9	89.9	77.4	87.1	47.1	45.6	49.8	47.4
Jaipur-Sanganer	75° 48'	26° 49'	390	107.6	71.1	106.2	72.3	104.4	72.6	81.9	89.6	81.0	91.3	80.1	89.4	45.3	40.3	47.5	42.5
Jaisalmer	70° 55'	26° 53'	231	110.3	74.0	108.5	77.1	106.3	76.7	84.7	98.2	83.1	99.6	82.2	98.8	48.2	36.0	50.9	41.4
Jammuagar	70° 1'	22° 28'	20	97.7	76.2	96.4	77.6	95.0	76.3	81.9	89.9	81.1	91.3	80.6	90.4	48.6	45.7	51.1	48.8
Jodhpur	73° 1'	26° 17'	224	108.9	69.0	106.7	72.3	104.7	72.8	82.8	93.3	81.3	92.2	80.2	89.5	50.4	44.9	52.0	46.8
Jorhat	94° 10'	26° 43'	90	93.9	82.8	92.7	81.7	91.0	81.5	83.5	91.9	82.6	90.5	82.0	90.1	48.6	47.5	50.0	49.0
Kodakanal	77° 47'	10° 23'	2343	71.6	56.8	70.3	60.7	69.4	57.6	64.4	68.9	63.5	67.6	62.6	66.8	44.8	40.5	46.4	42.9
Kolkata Dum Dum	88° 26'	22° 38'	6	99.5	87.4	97.9	81.6	96.4	80.5	87.6	98.2	86.0	94.6	84.7	92.5	53.8	50.9	55.8	53.2
Kota	75° 50'	25° 8'	274	110.5	76.2	108.7	71.9	106.3	73.7	81.3	91.8	80.8	94.9	79.7	93.0	50.0	44.5	51.8	45.5
Kurnool	78° 4'	15° 48'	281	107.1	72.1	105.4	73.5	103.5	73.7	78.6	92.9	77.9	90.8	77.4	91.3	62.4	60.6	64.0	61.0
Lucknow-Amausi	80° 52'	26° 45'	128	106.3	70.8	104.0	73.3	102.0	71.6	85.8	92.2	84.6	90.6	83.7	91.1	44.6	43.2	48.0	45.9
Mangalore	74° 31'	12° 31'	22	94.3	75.4	93.6	73.7	92.7	73.4	80.2	88.2	79.7	89.4	79.2	88.1	68.2	64.4	69.6	66.6
Mumbai-SantaCruz	72° 50'	19° 7'	14	95.2	73.9	93.6	72.7	92.3	73.5	82.2	88.6	81.7	87.1	81.1	87.4	59.7	56.3	62.1	58.1
Nagpur-Some-gaon	79° 3'	21° 6'	310	109.2	76.2	107.6	79.0	105.8	76.0	82.2	100.5	80.4	89.6	79.5	88.9	53.2	49.2	55.8	52.1
Nellore	79° 58'	14° 26'	20	104.5	80.4	102.4	80.5	99.9	79.0	84.0	95.6	83.1	96.8	82.2	91.8	67.8	65.4	68.9	65.1
New Delhi Sadarjung	77° 11'	28° 34'	216	107.8	70.8	105.4	72.6	102.7	74.8	84.0	92.2	82.9	89.0	82.2	89.1	43.0	41.7	44.8	43.7
Panjim	73° 49'	15° 28'	60	93.6	71.1	92.5	77.2	91.8	77.5	82.2	90.1	81.7	87.8	81.1	86.9	67.1	64.1	68.2	65.1
Patna	85° 10'	25° 16'	53	105.8	72.3	104.2	73.3	101.7	74.4	83.8	90.1	83.3	89.3	82.8	88.7	46.8	45.8	48.4	46.5
Port Blair	92° 72'	11° 67'	79	90.5	80.1	88.8	78.6	88.5	78.2	80.4	86.9	79.9	86.0	79.5	85.8	71.4	68.4	72.9	69.7
Pune	73° 50'	18° 31'	559	100.8	71.6	99.0	66.5	97.5	66.4	77.4	87.6	76.6	86.0	75.9	85.2	48.2	46.6	50.2	48.6
Raipur	81° 39'	21° 13'	298	109.8	73.3	107.6	72.7	105.6	74.1	80.6	88.2	80.1	87.5	79.5	87.0	51.1	47.6	53.6	48.4
Rajkot	70° 46'	22° 17'	138	106.5	71.4	104.9	66.3	103.1	67.7	81.9	89.1	81.1	88.4	80.4	87.3	53.4	45.0	56.5	46.7
Ramagundam	79° 25'	18° 46'	156	110.1	79.5	108.1	80.7	105.6	77.8	82.8	99.5	81.7	94.2	80.8	95.2	55.2	53.4	57.4	54.8
Ranchi	85° 19'	23° 22'	655	102.2	71.0	99.0	70.1	96.8	71.2	78.3	86.6	77.4	86.6	76.8	84.5	48.2	45.6	50.5	48.1
Ratnagiri	73° 19'	16° 58'	67	92.8	71.9	91.8	69.8	90.5	72.8	81.1	86.2	80.6	86.1	79.9	85.5	63.9	57.4	66.7	62.8
Raxaul	84° 31'	26° 34'	1350	97.7	79.5	95.9	78.9	93.9	78.7	83.7	89.1	82.9	91.1	82.4	90.0	45.1	44.8	46.9	46.2
Saharanpur	77° 52'	29° 51'	274	101.7	74.5	99.3	74.5	97.9	74.7	83.8	91.0	82.2	90.5	81.5	90.8	34.5	34.0	36.5	35.7
Shillong	91° 52'	25° 34'	1500	76.6	67.0	74.5	67.4	72.9	65.1	69.1	73.8	68.2	72.6	67.6	71.9	32.5	32.5	33.1	33.1
Sholapur	75° 54'	17° 40'	479	105.4	75.8	103.3	74.2	101.3	73.4	80.4	92.8	79.5	86.2	78.6	89.2	59.7	51.7	61.5	53.7
Srinagar	74° 83'	34° 08'	1587	90.3	69.4	88.7	70.7	86.5	68.7	74.5	85.6	73.2	83.3	72.0	82.2	28.4	27.5	30.0	28.5
Surat	72° 49'	21° 12'	12	100.6	77.3	97.9	74.7	96.4	74.6	82.2	89.5	81.7	88.0	81.3	87.6	59.7	54.3	61.5	55.4
Tezpur	92° 46'	26° 37'	79	93.4	82.7	91.8	80.6	90.5	82.7	84.6	90.8	83.5	90.0	82.6	88.5	51.6	50.8	53.1	52.2
Thiruvananthapuram	76° 56'	8° 28'	64	91.8	81.4	90.9	79.2	90.1	78.2	81.9	88.8	81.1	88.2	80.6	87.6	73.0	71.7	73.8	72.2
Trichirapalli	78° 43'	10° 46'	88	101.1	78.5	100.2	79.8	98.6	77.1	81.7	92.0	81.0	88.7	80.6	95.2	68.0	65.8	69.1	67.4
Varanasi	82° 52'	25° 27'	85	107.4	78.3	105.3	69.0	102.6	69.1	86.5	93.7	85.3	94.4	84.2	92.0	43.3	40.8	47.8	45.1
Veraval	70° 22'	20° 53'	8	94.8	70.5	92.5	77.2	91.0	79.1	84.6	89.0	83.8	88.9	83.1	87.7	60.6	50.1	62.6	52.9
Visakhapatnam	83° 13'	17° 43'	3	96.8	81.4	95.7	78.7	94.6	80.2	84.0	91.7	83.3	90.6	82.9	91.0	59.7	57.5	63.1	61.1