

**ANNEXURE - VII**  
**CONVERSION FACTORS**

<b>To convert</b>	<b>into</b>	<b>Multiply By</b>
Inches	Centimetres	2.54
Centimetres	Inches	0.3937
Metres	Inches	39.37
Metres	Feet	3.281
Feet	Metres	0.3048
Feet	Centimetres	30.48
Miles	Kilometres	1.609
Kilometres	Miles	0.6214
Yards	Metres	0.9144
Metres	Yards	1.0936
Millimetre	Microns	1000
Square centimetres	Square inches	0.155
Square inches	Square centimetres	6.452

<b>To convert</b>	<b>into</b>	<b>Multiply By</b>
Square metres	Square feet	10.76
Square feet	Square Metres	0.0929
Acre	Square feet	43560
Acre	Hectares	0.4047
Hectares	Acre	2.47
Square miles	Square kilometres	2.59
Square miles	Hectares	259
Square miles	Acre	640
Square kilometres	Square miles	0.3861
Square yards	Square metres	0.8361
Square metres	Square yards	1.196
Hectares	Square metres	10000
Square kilometres	Hectares	100

<b>To convert</b>	<b>into</b>	<b>Multiply By</b>
Cubic inches	Cubic centimetres	16.3934
Cubic centimetres	Cubic inches	0.061
Cubic metres	Cubic feet	35.315
Cubic feet	Cubic metres	0.02832
Cubic metres	Cubic yards	1.31
Gallons (Imp.)	Litres	4.546
Litres	Gallons (Imp.)	0.22
Gallons (U.S.)	Litres	3.785
Cubic metres	Litres	1000
Cubic feet	Litres	28.32
Kilometres/hour	Metres/sec	0.2778

<b>To convert</b>	<b>into</b>	<b>Multiply By</b>
Metres/sec	Kilometres/hour	3.6
Metres/sec	Feet/sec	3.281
Feet/sec	Metres/sec	0.3048
Pounds	Kilograms	0.4536
Kilograms	Pounds	2.205
Tonnes	Kilograms	1000
Centigrade	Fahrenheit	$(9/5) \times C + 32$
Fahrenheit	Centigrade	$(9/5) \times F - 32$
Radians	Degrees	57.3
Degrees	Radians	0.01745
Day	Seconds	86400
Pound/sq. inch	Kg/sq. cm	0.0703
Kg/sq. cm	Pound/sq. inch	14.22
Horse Power	Kilowatts	0.7457
Horse Power	Foot/pound/sec	550
Cumecs	Cusecs	35.315
Cusecs	Cumecs	0.02832
Cumecs	Litres/sec	1000
Cusecs	Litres/sec	28.32

<b>To convert</b>	<b>into</b>	<b>Multiply By</b>
Mcum	Mcft	35.315
Mcft	Mcum	0.02832
MAF	Mcft	43560
MAF	Mcum	1233.48
TMC	Mcft	1000
TMC	Mcum	28.32
MAF	TMC	43.56
Mcft	Acre/feet	22.95
Acre/cusecs	Hectare/cumecs	14.3
Cumec-day	Hectare-metres	8.64
Cusec-day	Acre-feet	1.98
Mcft	Litres/sec. day	327.78
Cusec-day	Mcft	0.0864
Mcft	Cusec-day	11.574
Mld	Litres/sec. day	11.57
Cusec-day	Mld	2.447
-day		
Mld	Cusec-day	0.4087

<b>To convert</b>	<b>into</b>	<b>Multiply By</b>
Mgd (imp.)	Litres/sec. day	52.62
Cusec-day	Mgd (imp.)	0.54
Mgd (imp.)	Cusec-day	1.858