

**Other electric water heater 5 Kw
Shower for a family of 4 / Calculated in Indian rupees
for a time span of 20 years**

Product	Cost	Recurring cost
Heater	11,000/-	
Installation	01,000/-	
Life span 8 years = 2.5 times replacement. So 11,000 + 1,000 = 12,000 X 2,5 times		0,30,000/-
Hot & Cold water Mixer 6,000/-	0,6000/-	
Hot & Cold water Mixer Life span 10 years		0,06,000/-
Maintenance 4 th year Heater coil replacement		0,01,500/-
Maintenance 12 th year Heater coil replacement		0,01,500/-
Maintenance 16 th year Heater coil replacement		0,01,500/-
Shower handle replacement 10 th year due to handling (breakage due to fall)		0,02,000/-
Water used in Shower average 70 liter X 4 person X 365 days = 1,02,200 X 20 years = 20,44,000 liters at INR 0.12 per liter		2,45,280/-
Power used for ambient water temperature of 25 degree with rise to 44 degree Power used for 70 liters is 0.35 units. So 0.35 units X 4 persons X 365 days = 511 unit of power. So 511 units X 20 years = 10,220 units @ INR 8.00 per unit		0,81,760/-
	18,000/-	3,27,040/-
Total A+B INR 3,45,040/- Cost of ownership 20 years		

Note: We have depicted the typical Indian condition in the above table. We request to consider the following for assessing the actual costs depending upon the region.

- Calculate the actual cost of owning by changing the values highlighted in BLUE color.
- The readings are based on average readings of 70 liter of water usage in shower.
- The cost of water is dependent upon the local supplies and availability.
- The power used has been calculated with input ambient water temperature of 25 degree centigrade and hot water out let temperature at 44 degree centigrade. The power cost is variable in different countries and regions.
- The user is requested to make his assessment depending upon the length of bath, water input temperature and the desired out put of hot water temperature as per his personnel needs to understand the exact savings.