A house fitted with a motor of 1 Hp, 5 bulbs consuming 0.2 $Ampere$ each and 2 fans of 80 $watts$ each. If all the appliances work for 5 $hours\ a\ day$, calculate the monthly bill. $Energy\ cost = 4\ Rs/unit\ (given\ V = 200)$.

Solution.

$$1\ Hp = 750\ watts$$

Monthly bill:

$$(30\ days) \times (5\ hours) \times (750 + 5 \cdot 0.2 \cdot 200 + 2 \cdot 80) \times (4\ Rs/unit\ ) = 666000\ Rs$$

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