

Loan Calculation of Bankroll Application

Documentation for Calculating Loan Gross Pay:

Principal = **P**, Rate = **R** % per annum (p.a.) and Time = **T**.

Simple Interest = (P x R x T) / 100

Let P = \$ 500, R = 10.00%, T = 1 & Processing Fee = \$ 5.

SI = Simple Interest.

$$SI = (500 \times 10 \times 1) / 100$$

$$SI = \$ 50$$

Total Pay = P + SI + Processing Fee

$$\text{Total Pay} = 500 + 50 + 5$$

$$\text{Total Pay} = \$ 555$$

EMI Calculation against loan:

$$\text{Gross Pay} = \$ 555$$

1. Only 1 EMI than its simple to play full payment as \$ 555.

2. For 2 EMI:

$$\text{EMI} = \text{Gross Pay} / 2$$

$$\text{EMI} = 555 / 2$$

$$\text{EMI} = \$ 277.5$$

So, the **First EMI** will be of \$ 277.5 and **Secound EMI** will be \$ 277.5.

$\begin{aligned}\text{EMI-1} &= \$ 277.50 \\ \text{EMI-2} &= \$ 277.50 \\ \text{Total Pay} &= \$ 555.00\end{aligned}$

Late Fee Calculation against Loan:

If the **Borrower** cross the **Grace Period** Date than late fee (Ammount set by Admin) will be apply to its remaining EMI.

***Note:** Late fee & Grace period(in Days) will be set through Web Admin in System Parameters Sections.

Let, Late Fee = \$ 25

and the **EMI-2** is not pay by borrower within the **Grace period** than,
He need to pay thye amount like,

Late Fee Repayment = EMI + Late Fee

Late Fee Repayment = EMI-2 + \$ 25

Late Fee Repayment = 277.50 + 25

Late Fee Repayment = 302.50

So, the Next EMI will be of \$ 302.50 rather than **277.50**