| | | | | | |
|---|---|---|---|---|---|
| Application : Pulvarizer | | | | | |
| Motor Ration : 37KW/50 HP | | | | | |
| Starter Type : Star-Delta | | | | | |
| | | | | | |
| Pulvarizer Data in Normal Mode [All time Delta Condition] | | | | | |
| Date | Time | Op.Hrs | KWh | Time Duration [Hrs.] | Unit Consumed [KWh] |
| 07.09.2021 | 15:22 | 0 | 4 | 65 | 875 |
| 10.09.2021 | 11:02 | 65 | 879 | | |
| | | | | | |
| Pulvarizer Data in Saving Mode [Above 50% Loading Condition : Delta \| Below 50% Loading Condition : Star] | | | | | |
| Date | Time | Op.Hrs | KWh | Time Duration [Hrs.] | Unit Consumed [KWh] |
| 10.09.2021 | 11:10 | 65 | 880 | 66 | 759 |
| 13.09.2021 | 11:20 | 131 | 1639 | | |
| | | | | | |
| Average Load in normal mode = 875/65 = 13.46 KW | | | | | |
| **⇒For 23Hrs batch, Total Unit Consumed = 13.46 X 23 = 309.58 KWh** | | | | | |
| Average Load in in Saving mode = 759/66 = 11.5 KW | | | | | |
| **⇒For 23Hrs batch, Total Unit Consumed = 11.5 X 23 = 264.5 KWh** | | | | | |
| **Net Saving / batch = 309.58-264.5 = 45.08 KWh** | | | | | |
| **Net Saving in Rupees = 45.08 X 7.50 = 338.1 /Day = 338.1 X 30 = 10,143.00 / Month = Rs.1,21,716.00 / Annum** | | | | | |
| **Payback Period : Approximate : 1.5 Months** | | | | | |