

## Manual Loading V/s Mechanical Loading

Manual Loading/Unloading		Mechanical Loading/Unloading (using Jainum's Mobile Bagloader)	
Truck Loading	1 Truck=40 tons Approx.	Truck Loading	1 Truck= 40 tons Approx.
Number of Labour	10 - 15*	No of Labour	4
Labour charge	Rs 40 / Ton	Labour charge	1600/day**
No of bags in 40 tons	800 bags of 50 kg each	No of bags in 40 tons	800 bags of 50 kg each
Time Consumed	60 minute	Time Consumed	Approx. 1 ton/min. or upto 45 - 60 min./Truck
Electricity Consumption	Nil	Electricity Consumption (5 HP)	5 units of electricity/Hrs = Rs 50/hrs
Amount spend on Loading/Unloading of 1 Truck	Rs 1600	Amount spend on Loading / Unloading of 1 Truck	(Labour cost per day /working shift of 8 hours) + Electrical Consumption = (1600/8) + 50 = <span style="color: red; font-weight: bold;">Rs 250</span>
<p><b>Saving of Rs 1600 - Rs 250</b> = <span style="color: red; font-weight: bold;">Rs 1350 / Truck Load</span></p>			
<div style="border: 1px solid black; padding: 10px; width: fit-content; margin: auto;"> <p><b>Five Truck Loading Requirement/day will give:</b></p> <p><b>Saving/day = Rs 6750/Day</b></p> <p><b>Saving/month = Rs 6750 * 30 Days</b></p> <p><b>= Rs 2,02,500/-</b></p> </div>			
<p><b>* We have assumed that manually, 15 labours takes around 60 minutes for loading a Truck load of 40 Tons and Normal works contract are at Rs. 40/ton.</b></p>			
<p><b>**Instead of using 10 - 15 labours on contractual basis, one can hire 4 labour on any fixed salary. We have assumed a salary of Rs 12000 / labour i.e. Rs 48,000/month for 4 labours, this amounts to a Salary of Rs. 1600 for 4 labour / day.</b></p>			