



## **Ananta Jeanswear Limited**

277/2, Kabi Jashim Uddin Road, Pagar, Tongi, Gazipur-1710

# Energy Consumption Comparison with Baseline

## Factory Energy Source:

1. Purchased Electricity
2. Diesel

## Purchase Electricity Consumption:

Purchased Electricity Unit = Kilowatt Hour (KWh)

Production Unit = Piece (Pcs)

**Baseline=2017**

<i>Name of Month</i>	<i>January</i>	<i>February</i>	<i>March</i>	<i>April</i>	<i>May</i>	<i>June</i>	<i>July</i>	<i>August</i>	<i>September</i>	<i>October</i>	<i>November</i>	<i>December</i>	<i>Total</i>
Production	622985	575119	475349	607595	631479	470309	452139	341194	325342	446747	515610	562322	<b>6026190</b>
Purchased Electricity Consumption	225000	232800	242400	255600	216600	226800	271800	246600	226200	273000	265800	225000	2907600

Total Production=6026190 Pcs

Total Purchased Electricity Consumption=2907600 KWh

Baseline Normalized Purchased Electricity Consumption=2907600 ÷6026190

**=0.4825 KWh/Pcs**

## Diesel Consumption:

Diesel Unit = Liter

Production unit = Piece (Pcs)

**Baseline=2017**

<i>Name of Month</i>	<i>January</i>	<i>February</i>	<i>March</i>	<i>April</i>	<i>May</i>	<i>June</i>	<i>July</i>	<i>August</i>	<i>September</i>	<i>October</i>	<i>November</i>	<i>December</i>	<i>Total</i>
Production	622985	575119	475349	607595	631479	470309	452139	341194	325342	446747	515610	562322	<b>6026190</b>
Diesel Consumption	17640	4500	10955	9000	13500	9000	4500	4500	4400	3000	17975	0	98970

Total Production=6026190 Pcs

Total Diesel Consumption=98970 Liter

Baseline Normalized Diesel Consumption=98970 ÷6026190

**= 0.0164 Liter/Pcs**

## Factory Energy Source:

1. Purchased Electricity
2. Diesel

## Purchase Electricity Consumption:

Purchased Electricity Unit = Kilowatt Hour (KWh)

Production Unit = Piece (Pcs)

Year =2018

<i>Name of Month</i>	<i>January</i>	<i>February</i>	<i>March</i>	<i>April</i>	<i>May</i>	<i>June</i>	<i>July</i>	<i>August</i>	<i>September</i>	<i>October</i>	<i>November</i>	<i>December</i>	<i>Total</i>
Production	682290	638156	547492	600009	628929	400994	583461	357889	447074	527671	621114	761423	6796502
Electricity consumption	277800	244800	297000	345600	295800	187750	276360	284640	350244	202800	152400	138000	<b>3053194</b>

Total Production= 6796502 Pcs

Total Electricity Consumption= 3053194

Normalized Electricity Consumption=  $3053194 \div 6796502$

**= 0.45 kwh/Pcs**

## Diesel Consumption:

Diesel Unit = Liter

Production unit = Piece (Pcs)

**Year=2018**

<i>Name of Month</i>	<i>January</i>	<i>February</i>	<i>March</i>	<i>April</i>	<i>May</i>	<i>June</i>	<i>July</i>	<i>August</i>	<i>September</i>	<i>October</i>	<i>November</i>	<i>December</i>	<i>Total</i>
Production	682290	638156	547492	600009	628929	400994	583461	357889	447074	527671	621114	761423	6796502
Diesel Consumption	1853	2748	2388	3234	13894	7400	8925	7958	10618	12492	12464	13107	97081

Total Production=6796502 Pcs

Total Diesel Consumption=97081 Liter

Normalized Diesel Consumption=  $97081 \div 6796502$

**= 0.014 Liter/Pcs**

**Target: Reduce 5% diesel use within 2018 (Normalized)**

**Reduce 5% Electricity use within 2018 (Normalized)**

## Energy Consumption Comparison 2017 & 2018:

Year	Purchased Electricity consumption (kwh)	Diesel consumption (liter)	Production in pcs	Total electricity consumption per pcs production( Total electricity consumption divided by total per pieces production)	Total diesel consumption per pcs production( Total diesel consumption divided by total per pieces production)	Remarks
2017	2907600	98970	6026190	0.4825 KWh/Pcs	0.016 Liter/Pcs	
2018	3053194	97081	6796502	0.45 kwh/Pcs	0.014 liter /pcs	

**Target achievement of Electricity Consumption:  $(0.48-0.45) = .03$  kwh/pcs**

**= 6.25 % less than 2017**

**Target achievement of Diesel consumption:  $(0.016-0.014) = 0.002$  liter/pcs**

**= 12.5% less than 2017**

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