

# Indo Count Industries Ltd.



ENERGY CONSERVATION

2015 - 16



**PRS outlet set at 3.5 - 4Kg/cm<sup>2</sup> of all machines – 1Ton /day steam saving**



**Conversion of Condensate pumps from Air to Steam -50 CFM/Hour Air saving**



**Insulation of Chilled Water Line 2Ton /day steam saving**



**Hot Water Circulation pump to avoid SOTC for Boiler Feed Water for increasing the feed water temperature to 90 deg C through Thermopac WPH**



**New Koerting make Caustic Recovery Plant installed and commissioned**



**CRP Hot water management ( Collection & Distribution) – 5 Ton /day steam saving**



**CRP Vacuum pump cooling water and vapour condensate recovery -15M<sub>3</sub>/day water saving**



**Condensate Recovery from VAM (Chillier), loop Ager, Pad Dry, Pad Steam main steam Header and return to Boiler – 50 M<sub>3</sub>/day hot water saving**



**Recovery of Cooling water of Cooling cylinder in VDR of new PTR, Washer, Rubber belt cooling water from Monforts Sanforiser – 7.2 M<sub>3</sub>/day water saving**



**Merceriser Collection and reuse of auto drain caustic- 5Ton /day steam saving**



**Steam line header insulation replacement & MEE new steam piping insulation by HITLIN insulation -1.5 Ton /day coal saving**



**Automatic Moisture Controller on VDR of PTR 1, MERC 1, CDR 1 & SOAPER – 40 Ton /day steam saving**



**New 30 TPH Bi drum Steam Boiler  
Installed and commissioned**



**New 40 Lac K Cal Thermopac installed and  
commissioned**



**3000 KL Biological ETP with 3 stage RO system  
and MEE.**

## Installation of Auto Temperature Controlled Booster pumps on Thermic Fluid heating machines



## Laying for new concrete pipe line for water recovery and Rain water Harvesting



## Cooling Tower for Hot water to Soft water Tank







**Replacement of 3 nos low efficiency pump by Energy efficient Grundfos pump.-480KWH /day power saving**



**Stoppage of Caustic Circulation pumps on Mercerizer – 90 KWH /day power saving**



**Insulation of all Electrical Panels achieving Panel AC's-150 KWH /day power saving**



**Steam, Water and Condensate measuring meters on Processing machines for awareness and better control**



**Reduction of Lighting Voltage from 235 to 217 volts at Weaving Kagal – 90 KWH/day power saving**



**All Conventional Tube rods replaced by LED Tube Lights**

**2016 – 17**

## ENERGY SAVING PROJECTS 2016-17

S.No	DESCRIPTION	SAVING
1	Replacement of Old LRB insulation by E Fibre insulation of Thermic Fluid & Balance Steam lines	3 Tons COAL/DAY
2	Replacement of 2 nos Screw Compressors by 01 no Centrifugal Compressor	2400 KWH/DAY
3	Replacement of Refrigerant Tye Dryer of existing 4000 CFM Centrifugal compressor by Heat of Compression Type	850 KWH/DAY
4	Improvement in hot water temperature of CRP Hot water recovery and distribution by Installation of 50 KL SS 304 Hot Water tank for collection of Hot Water and supply to machines and insulation of lines wherever required	10 Tons STEAM/DAY
5	Replacement of Metal Halide high Bay Lights by LED Lights in Process House.	250 KWH/DAY

## ENERGY SAVING PROJECTS 2016-17

S.No	DESCRIPTION	SAVING
6	Replacement of conventional Street Lights by Solar Powered LED Lights	50 KWH/DAY
7	Installation Water Chiller for Water locking after Steamer on Benninger Pad Steam 1 & 2	100 KL WATER/DAY
8	Improvement in Boiler Efficiency by De scaling and Soot Blowing	1.50%
8	Blow Down Heat Recovery on 30 TPH Steam Boiler	300 Kg COAL/DAY
9	Effective reuse of Flash Steam Reuse on heating cylinders VDRs of Processing machines	2 Tons STEAM/DAY
10	Steam Trap Management and Increase in Condensate Recovery	2 Tons STEAM/DAY

**Thank You**