CII National Award for "Excellence in Energy Management - 2022"



ITC Limited, PSPD, Unit - Kovai

P.Jayasankar. Designated Unit Energy Manager

G.Srikanth, Energy Cell Member

P.Saranraj, Energy Cell Member

ITC Ltd PSPD, Unit : Kovai



MILL INTRODUCTION

ITC Ltd. , PSPD , Unit: Kovai is located 42 km North of Coimbatore, Tamil Nadu

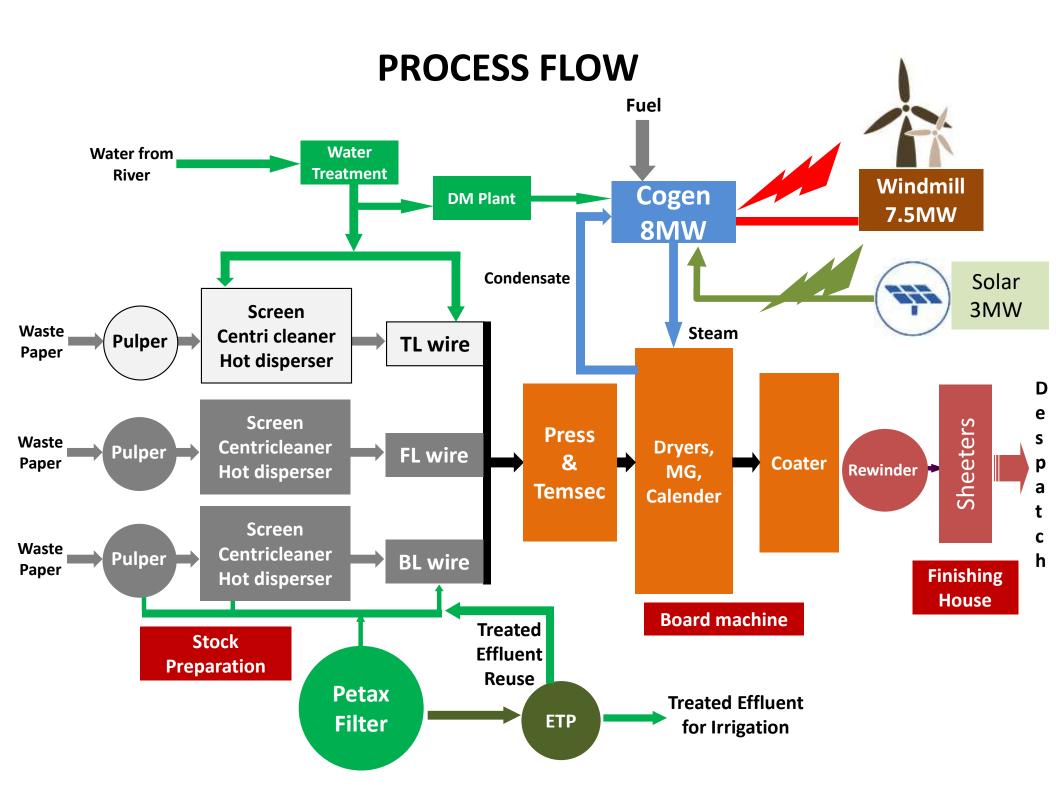
- Acquired from BIPCO in March 2004
- Manufacture Duplex Board from 100 % recycled fiber
- Production capacity of 1,20,000 Tons / year
- Employment to 1000+ people

Certifications:

- ISO 9001 : 2015; ISO 14001 : 2015; ISO 45001 : 2018
- Certified for Forest Stewardship Council (FSC)

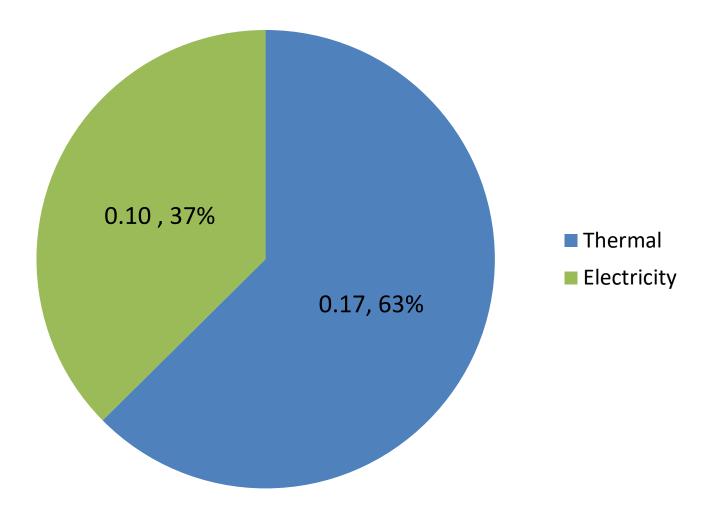


- First Indian Manufacturing unit to gain WWF's Global Forest Trade Network Membership
- ITC PSPD Unit Kovai First Company in the Pulp and Paper Sector to receive GreenCo Platinum rating and recertified with Platinum in 2018-19
- CII Excellent Energy Efficient Unit 2010, '14, '15, '17, '19 & Energy Efficient Unit in 2018,2021
- Achieved International Water Stewardship 2019 Platinum level by AWS (Alliance for Water Stewardship) certification. First paper mill in the world to achieve this award.



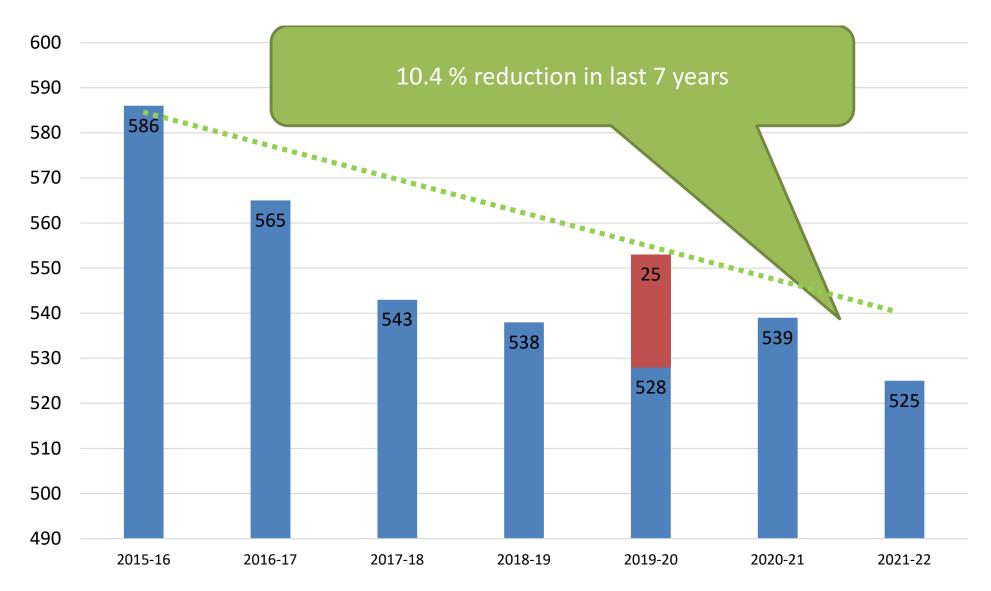


ENERGY DISTRIBUTION (MTOE/MT)





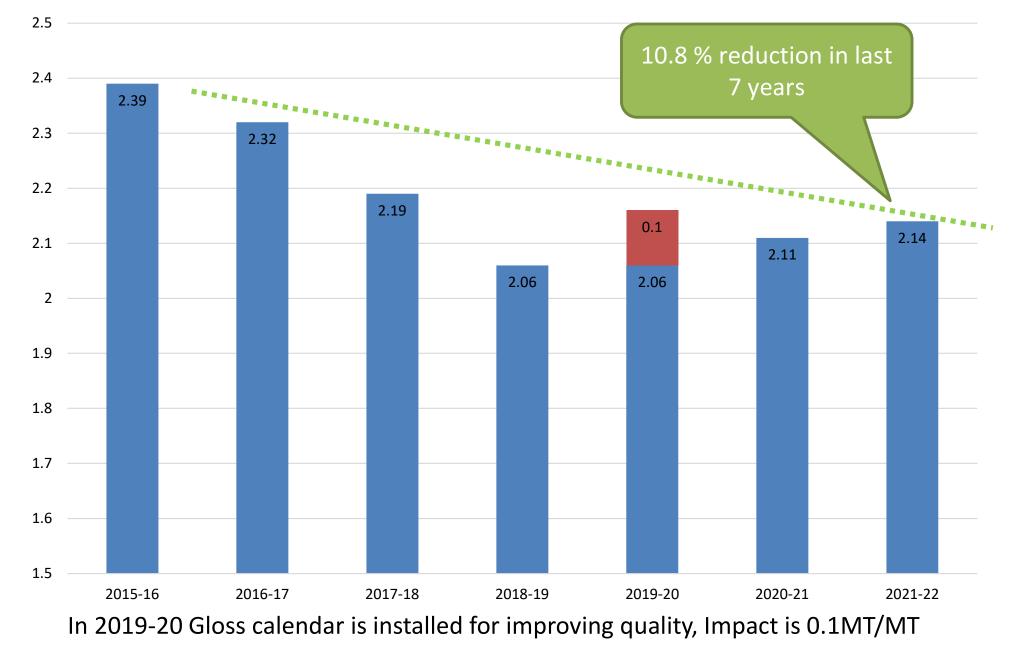
SPECIFIC POWER (KWH/MT)



In 2019-20 Installation of Refiners and Gloss calendar to improve quality impact of 25KWH/MT

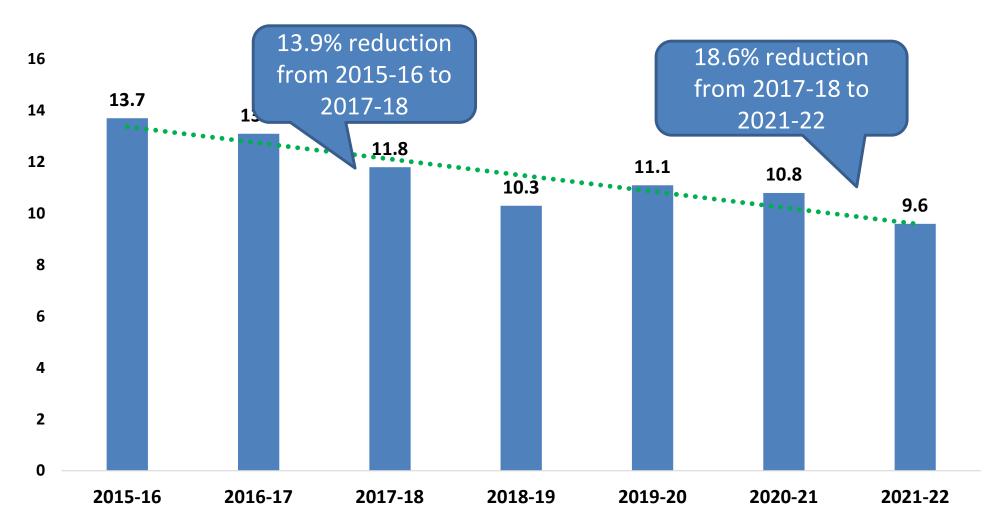


SPECIFIC STEAM (MT/MT)





SPECIFIC ENERGY (MTOE/MT)



For the period 2015-16 to 2021-22

- Specific energy consumption reduced by 30%

SPECIFIC POWER – SECTION WISE (KWH/MT)

DEPARATMENT	2018-19	2019-20	2020-21	2021-22
Stock Preparation	224	236*	218	194
Board Machine	222	225	200	208
Utility	81	79	68	68
Others	11	13	11	12
Total	538	553	497	482

* Refiners area added in stock preparation area to improve quality parameters.

GLOBAL BENCHMARK



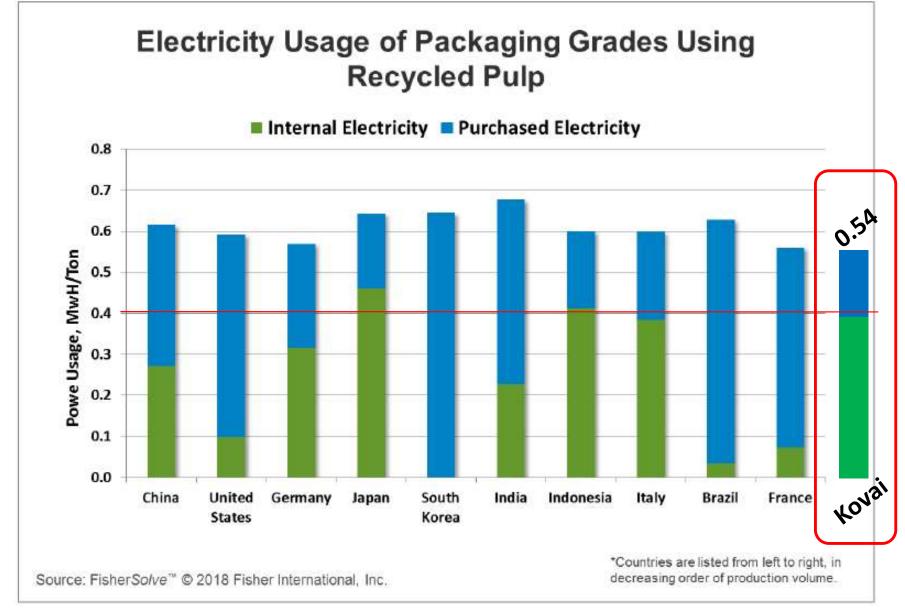
NATIONAL BENCHMARKING

Industry Group	Particulars	Units	Global Avg.	India Avg.	Industry Benchmark	Kovai
Wood Based Mills Agro Based Mills	Specific Electrical Energy Consumption	kWh/tonne of paper	1000- <mark>1</mark> 100	1400-1500	1200	
	Specific Steam Consumption	Tonne of steam/ tonne of paper	7.0-9.0	12.0-13.0	9.0	
	Specific Electrical Energy Consumption	kWh/tonne of paper	-	1200-1400	1000	
	Specific Steam Consumption	Tonne of steam/ tonne of paper	2	12.0-14.0	10.0	
Recycled Fiber Based	Specific Electrical Energy Consumption	kWh/tonne of paper	500	450-550	400	
Mills producing unbleached grades	Specific Steam Consumption	Tonne of steam/ tonne of paper	2.5	4.0-5.0	3.5	
Recycled Fiber Based Mills producing bleached grades	Specific Electrical Energy Consumption	kWh/tonne of paper	600-650	680-800	570	525
	Specific Steam Consumption	Tonne of steam/ tonne of paper	4-4.5	6.0-7.0	5.0	2.13

Table 8: Specific Energy Consumption (Global Vs India)14

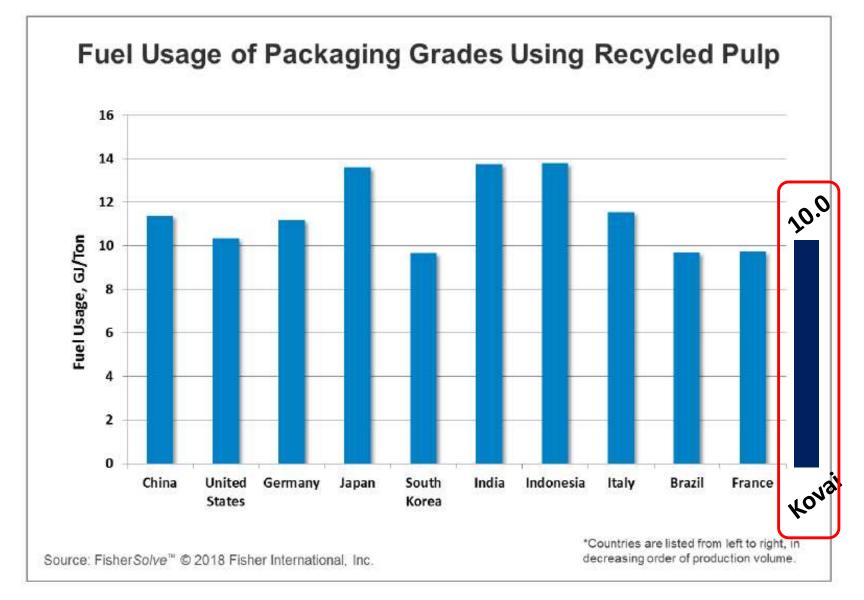
Source: Benchmarking energy for Pulp & Paper Sector released by BEE, Sep 2018

GLOBAL BENCHMARKING – ELECTRICAL ENERGY



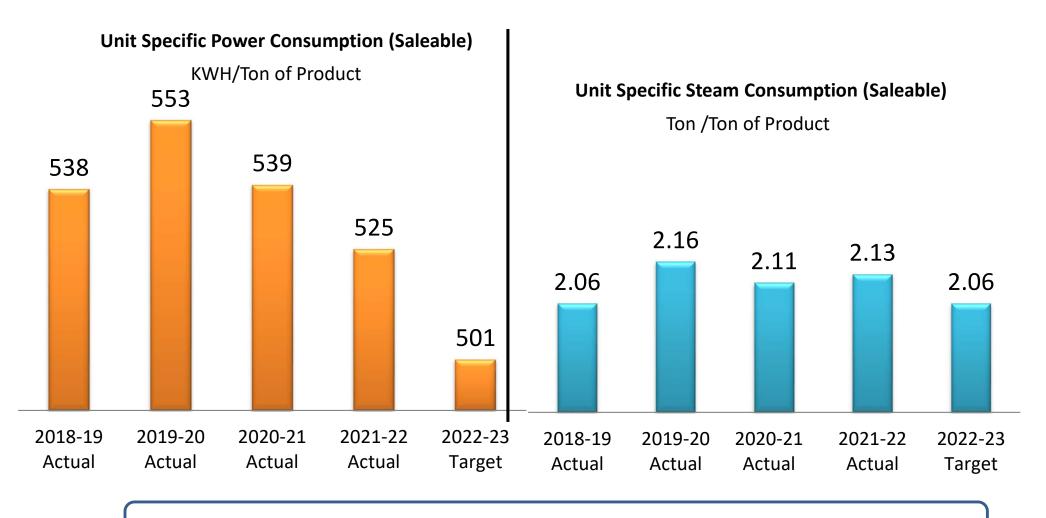
Source: Benchmarking Paper Mill energy efficiency and GHG Emissions for major producer countries Fisher International, February 2018

GLOBAL BENCHMARKING – FUEL



Source: Benchmarking Paper Mill energy efficiency and GHG Emissions for major producer countries Fisher International, February 2018

ANNUAL ENERGY REDUCTION TARGETS



Long Term Target, 3.1% Minimum Reduction year on year for next 3 years

LAST ROAD MAP TO ACHIEVE GLOBAL BEST (ELECTRICAL AND THERMAL)

SI.No	Description	Energy Saving per day in KWh	Annual Total Saving KWh	Annual Total Saving Rs.Lac	Implemented Month	Investment In Lacs	Payback in Months
1	Refiner Accept Pump & Agitator stopped, due to chest by Passed	888	305645	14.06	Apr-21	0.00	0
2	Top SCC pump impeller trimming	120	41303	1.90	May-21	0.10	1
3	Ultra cone to Refiner feed chest pump impeller trimming	216	74346	3.42	May-21	0.20	1
4	Sec .HD Cleaner feed pump capacity may reduce by trimming impeller	24	8261	0.38	July-21	0.10	3
5	Chest No 12/13 pump VFD interlock with Back Screw Press SR Box	48	16521	0.76	July-21	0.00	0
6	Compressor - 7 Energy Saving by installing Separate Cooling Tower	240	82607	3.80	July-21	5.50	17
7	Reel wrapping machine Hydralic power pack pump VFD	225	77444	3.56	Aug-21	0.25	1
8	Process Cooling Tower pump pressure reduction	396	136301	6.27	Sep-21	0.75	1
9	Chest No9 Dilution pump Interlocking with Drum pulper	180	61955	2.85	Sep-21	0.00	0
10	Chest No 10 Pump interlocking with screen	148	50941	2.34	Sep-21	0.00	0
11	VAT agitator interlocking with VAT Pump	60	20652	0.95	Sep-21	0.00	0
12	Chest No5 Pump interlocking with BL screen	84	28912	1.33	Sep-21	0.00	0
13	Stock tower agitator interlocking with pump	36	12391	0.57	Sep-21	0.00	0
14	FD Fan Fine tunning	173	59477	2.74	Oct-21	0.00	0
16	PA Fan Fine tunning	70	23956	1.10	Oct-21	0.00	0
17	Feed Water pump Logic change	252	86737	3.99	Oct-21	0.00	0
18	Filler Layer SR box by pass	408	140432	6.46	Nov-21	2.00	4
19	ETP Thickner By passing (By Stop)	108	37173	1.71	Dec-21	0.00	0
20	Installing Pasaban sheeter pailling blower with suitable lower capaity	120	41303	1.90	Jan-22	0.00	0
	Total Savings	3795	976757	44.93		8.90	2

Total energy saving – 164 Kw

CURRENT ROAD MAP TO ACHIEVE GLOBAL BEST (ELECTRICAL AND THERMAL)

SI.No	Description	Saving Kwh	Annual Total Saving KWh	Savin g/Ton	Target	Status
1	Comp Cooling Tower pump VFD installation	5.00	41303	0.32	Apr-22	Completed
2	F20 Vent Line Diverted from F20 Mini Press to T4D Stand Pipe	2.30	19000	0.15	Apr -22	Completed
3	Chest No 9 Capacity optimization to suit required dilution	25.00	129073	1.05	June-22	Completed
4	Comp Cooling Tower fan VFD Installation	1.73	14291	0.12	July-22	Completed
5	Installing VFD in Drum pulper VAT Pump	30.00	247820	2.01	Oct-22	
6	Installing VFD in Krofta feed Pump	12.00	99128	0.81	Dec-22	
7	Installing VFD in Hood Blower & Fans	15.00	123910	1.01	Dec-22	
8	Reducing Air ingress at APH & ESP	10.00	82607	0.67	Jan-23	
	Total Savings	101	203667	1.64		

Implemented ideas in FY 22 – 23 - 33.00 KWh

Steam saving around **3250 MT / Year** by Implementing flash steam heat recovery system

ENERGY SAVING PROJECTS



ENCON PROJECTS IMPLEMENTED (LAST 3 YEARS)

Year	No. of Projects	Sum of Invest. Made (Rs Lakhs)	Sum of Total Annual Savings (Rs Lakhs)	Payback (Months)
2018-19	14	78	68	14
2019-20	11	141	117	14
2020-21	15	35	56	8
2021-22	20	9	45	2
Total	60	263	286	11

- Total 60 schemes were implemented during last 4 years.
 Average payback for the investment are 11 months.
- Rs.190 Lacs is allocated for year 2022-23 for energy saving schemes.

INNOVATIVE PROJECT



Innovative Project - 1

BOILER EFFICIENCY IMPROVEMENT THROUGH LOSS OPTIMIZATION

Problem Statement :

- We are having a Thermax make AFBC to meet both power and process demand (Act as a cogeneration plant).
- Average exit oxygen maintained was 5.7 % which reduces boiler efficiency as well as increase in power consumption.

Data Analytics:

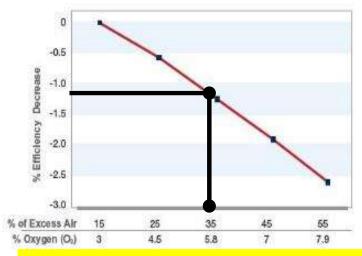
With the help of Data Analytics identify the root cause for increase in exit oxygen because for same load we are able to maintain oxygen in the range of 4 %.

Software Used :

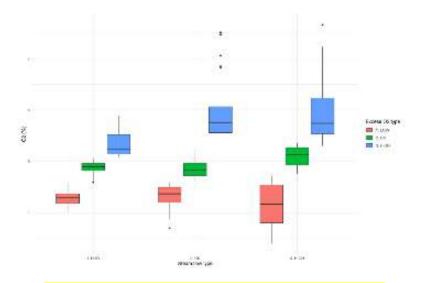
R Studio (Data analysis software)

Solution Implemented:

- Golden Batch created
- Auto combustion logic introduced
- PID fine tuned
- Fuel disturbance prediction

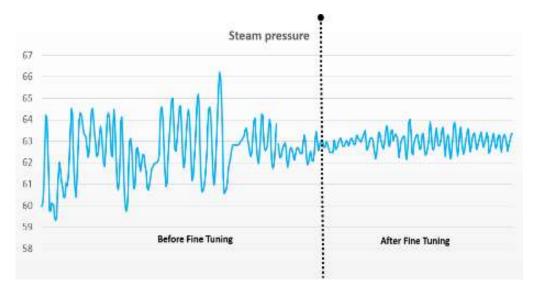


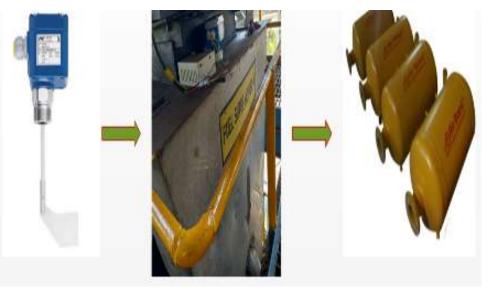
Boiler efficiency drop due to excess air



Data Visualization using R studio

BOILER EFFICIENCY IMPROVEMENT THROUGH LOSS OPTIMIZATION





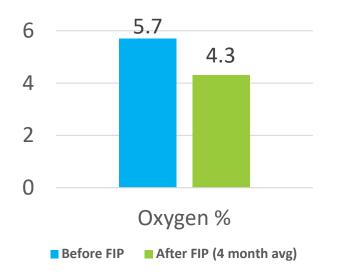
Fuel Prediction

After Fine tuning PID

Kovai Utility E	Dashbo	ard		Lo	ad Type >:	*2	Steam Flow >> 4	43:03
Parameter	Actas	Targes	Adherence	Min	Deviation	Max		
Air Prossure after APH	505.00	590.00	20.005	570.00		620.00		
Air Temp after APH	107.92	153.00	100	150.00		158 00		
Applea	56.72	63.00	11 618	80.00		56.00		
Altemperatur How	4.93	4.80	23.232	4.00		5.90		
Wep Bed level	438.55	460	44 151	440		460		
Avg Loosone temperature	232 50	850	0.39179	830		870		
Avg windbox temperature	522.48	560	22.323	530	Concession in the local division in the loca	570	Load in TPH	Load Typ
Weter Temp & Econottet	248.56	245.00	100	235.00		255.00		coau syp
Facess coverent %.	3.81	5.40	2.5083	3.50		3.60	35-40	1
Hue gas pressure 續 eco miel	-18.22	-10.00	73,245	12.00		8.00	40-45	2
Flueges terror (0, Al H cullet	161.78	148.00	13.0 0	145.00		156.00	More than 45	3
Fille gas temp (\$) eco intel	494.45	18.00	465.0.0	450.00		470.00	Luce e sur se	1 1
Flue gas tome a occ outlet	2/2.00	260.00	50.252	250.00		280.00		
Turostice pressure	-8.99	-1.00	48 101	-1.20		-0.50		
ID Fast gen	754.54	730.00	58.661	700.00		770.00		
Final Steam pressure mode value	52.65	52.00	55 861	45.00		85.00		
Final steam pressure	62.65	63.00	51.503	62.90	-	83.50		
Final steam Temperature	105.53	400.00	.51500	477.00		483.00		

Golden Batch

BOILER EFFICIENCY IMPROVEMENT THROUGH LOSS OPTIMIZATION



Project result

Target – Boiler Efficiency in %	1
Boiler Efficiency improved in %	0.7
Savings due to improvement in boiler efficiency in Rs (Lacs)	22.4
Other savings (in terms of power – KwHr per day)	1000
Savings due to power reduction in Rs (Lacs),considering 3.5 rs & 350 days runnability	12.25
Net savings in lacs	34.65

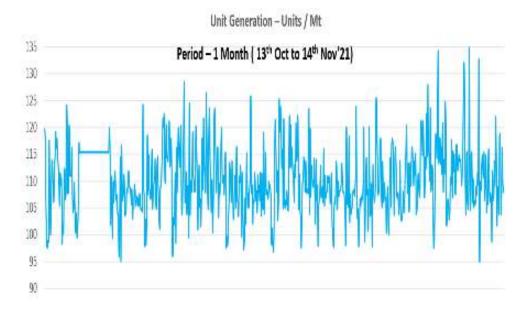
Project summary



Oxygen %

Innovative Project - 2

TG UNIT GENERATION IMPROVEMENT



Average Unit Generation	Turbine load - MWHR						
Machine Steam - TPH	3.3 - 4.2	4.3-4.5	4.5-5.0	5.0-7.4			
21 - 28	106	111	116	123			
28 - 29.5	100	108	112	120			
29.5 - 31	98	106	110	118			
31 - 36	97	103	107	115			

Project :

- TG Unit Generation variation is observed on daily due to various reason.
- In this Project, Team has decided to work-on improving unit generation with help of historian tools

Inference :

Unit Generation increases with power and decreases with process steam which are variable depending on plant requirement

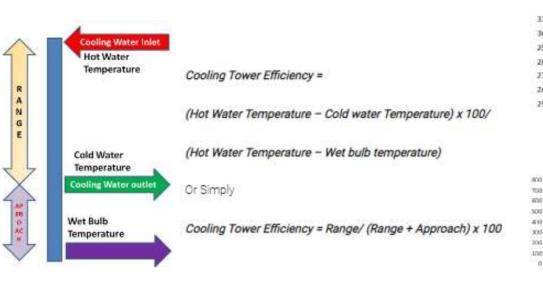
TG UNIT GENERATION IMPROVEMENT

>>> Challenge

Cooling Tower is designed for worst case wet bulb temp. Based on seasonal condition wet bulb temperature will vary. But we are running cooling tower at constant inlet water temperature

🎾 Technical Brief

Decrease in temperature difference between wet bulb and cooling tower outlet water results in increase in cooling tower efficiency. Apart from that if water temperature entering the condenser is low, there will be improvement in condenser vacuum



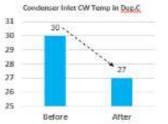
>> Approach

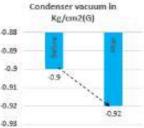
Cooling tower consist of 3 cells. Since turbine is operating at 68 % MCR, we are using only one fan to maintain the water temperature. In order to reduce the temperature we ran one more fan and observed the performance of cooling tower and condenser

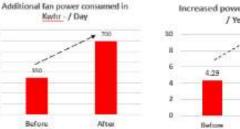
Benefits

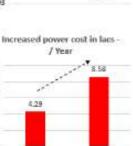
With our insights and recommendation on prospective strategies we able to

- Increase condenser vacuum from -0.90 to -0.92 kg/cm2(G)
- Increase unit generation by 2 units









Alter

UTILISATION OF RENEWABLE ENERGY



UTILIZATION OF RENEWABLE ENERGY

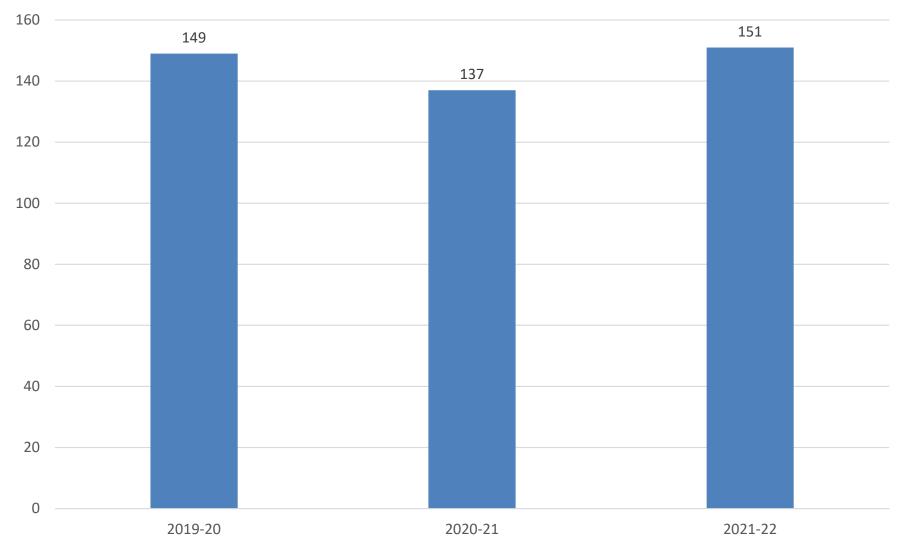
Year	Technology	Type of Energy	Onsite / Offsite	Installed Capacity (MW)	Generation (Million Kwh)	% of Overall Electrical Energy
FY 2019-20	Wind Mill	Electrical	Offsite	7.50	9.79	16
FY 2020-21	Wind Mill	Electrical	Offsite	7.50	12.24	22
FY 2021-22	Wind Mill	Electrical	Offsite	7.50	18.00	27
Year	Technology	Type of Energy	Onsite / Offsite	Installed Capacity (MW)	Generation (Million Kwh)	% of Overall Electrical Energy
FY 2021-22	Solar	Electrical	Onsite	2.6	4.1	7
Year	Technology	Type of Energy		d Capacity /IW)	Usage (Million Kcal)	% of Overall Thermal Energy
FY 2019-20	Biomass	Thermal	8	3.00	46934	12.67
FY 2020-21	Biomass	Thermal	8	8.00	51282	14.58
FY 2021-22	Biomass	Thermal	8	8.00	39150	19.00

UTILISATION OF WASTE MATERIAL AS FUEL



SPECIFIC WASTE GENERATION DECLARATION

Sp. Waste (Kg of Waste /Tone of Production)



UTILIZATION OF WASTE MATERIAL



ETP Sludge

• 100% sludge generated is reused in process



Process Plastics Waste

• 100% sent to cement plants to Co-process in kiln



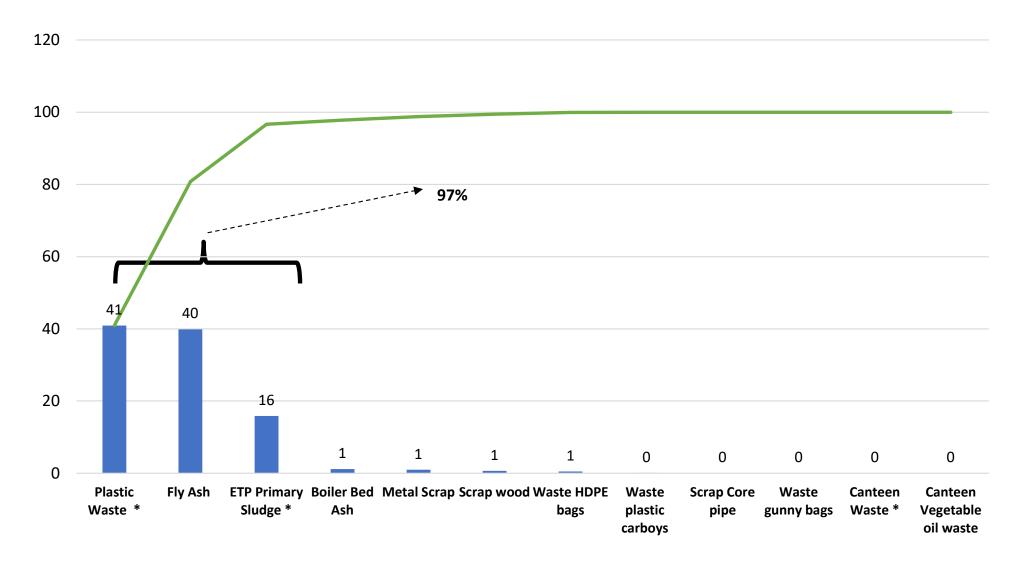
Fly Ash & Bed Ash

• 100% fly ash & Bed ash generated recycled for brick making

WASTE MANAGEMENT - INVENTORISATION

SI.No	Туре	2019-20 MT	2020-21 MT	2021-22 MT
1	Plastic Waste	9285	4515	9176
2	Fly Ash	9148	7269	8940
3	ETP Sludge	1772	1317	3557
4	Boiler Bed Ash	170	732	258
5	Metal Scrap	78	391	216
6	Scrap wood	427	230	144
7	Scrap Core pipe	0	0	0
8	Waste gunny bags	10	113	0
9	Waste plastic carboys	16	53	15
10	Waste HDPE bags	147	0	112
11	Canteen Waste	1	1	0
12	Canteen Vegetable oil waste	2	0	0
	Total	22169	14305	22418

WASTE GENERATION PARETO

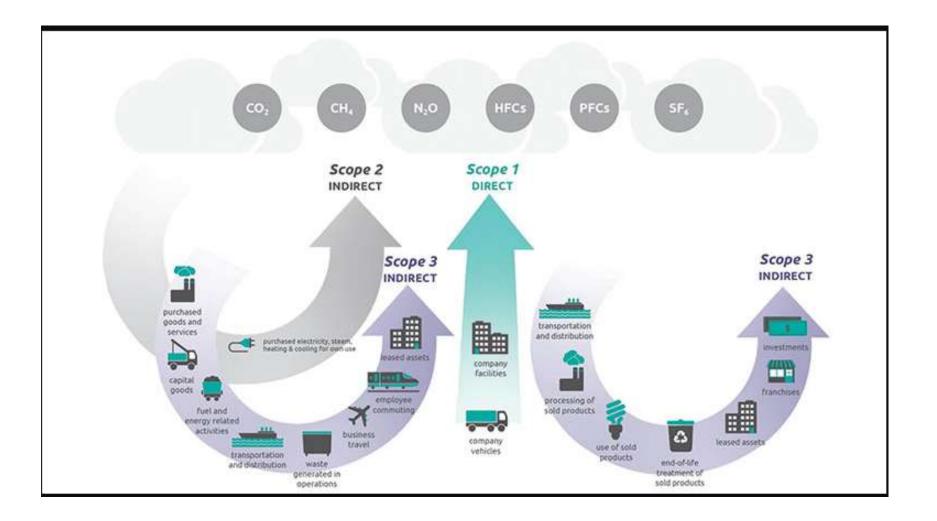


Out of 13 category of waste only 3 category of waste has contributed to 97%

PROJECTS IMPLEMENTED TO REDUCE NON HAZARDOUS WASTE MANAGEMENT AT PROCESS

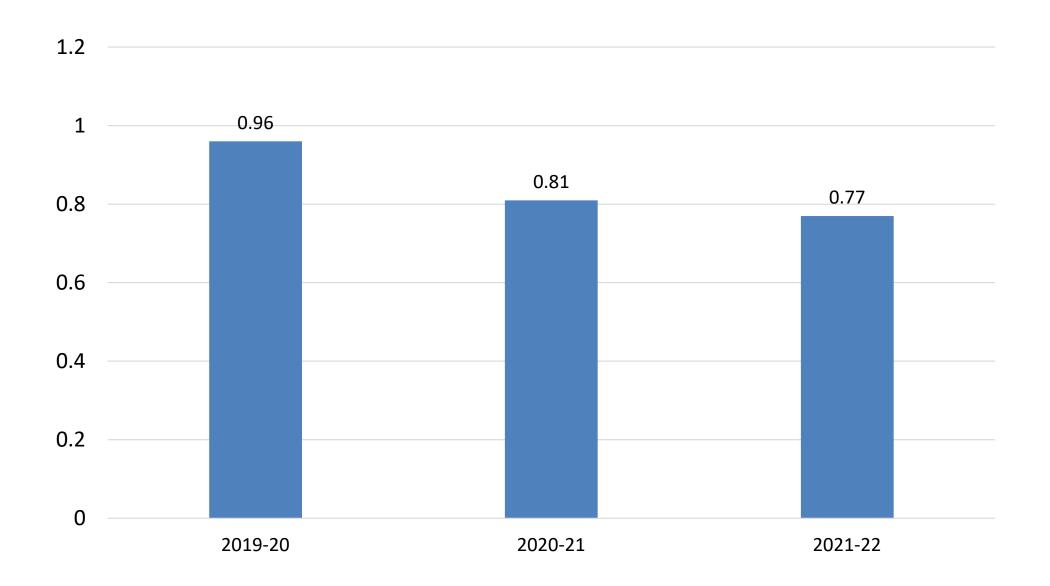
S.No	Area	UOM	2017-18	2018-19	2019-20	2020-21	2021-22
1	Fiber Loss	%	2.13	2.03	2.18	2.08	1.82
2	Finishing Loss (B/C/D)	% of Net Production	6.87	6.02	6.21	6.14	5.7
3	Machine stage Re-Pulp (A)	% of gross production	1.79	1.50	1.70	1.56	1.39
4	Machine stage Broke Gen.	%	2.57	2.16	2.13	2.15	2.12

GHG INVENTORISATION



GHG EMISSION INVENTORIZATION

Total GHG emission, Specific Tonnes of CO2/Tonne



GHG EMISSION INVENTORIZATION MANAGEMENT

Ton of Co2

GHG emission Inventorization management	2018-19	2019-20	2020-21	2021-22
Direct GHG Emissions (Scope-1)	99331	104391	84672	86664
Energy Indirect GHG Emissions (Scope-2)	1281	3297	339	302
Other Indirect GHG Emissions (Scope-3)	28043	11228	12466	13383
Total	128655	118916	97477	1,00,349

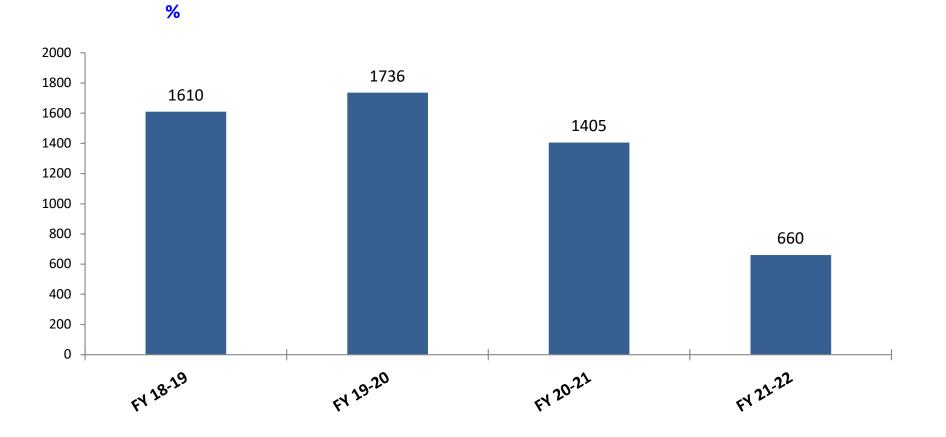
CO2 Emissions from combustion of Biomass is not considered

Green Supply Chain



WoW collection

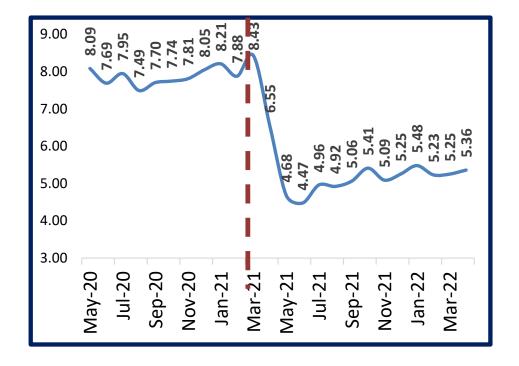
WOW material receipt-Avg per month

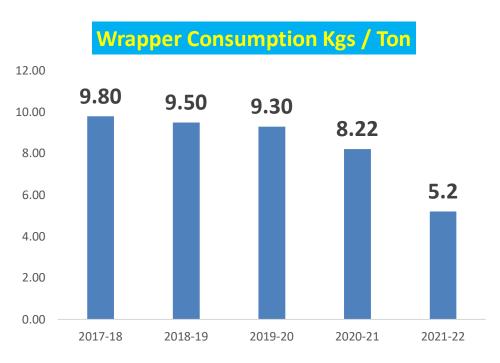


*In FY 20-21 & 21-22, due to Covid 19, the generation itself has come down as there is less schools/colleges & commercials functioning. Hence receipt has come down.

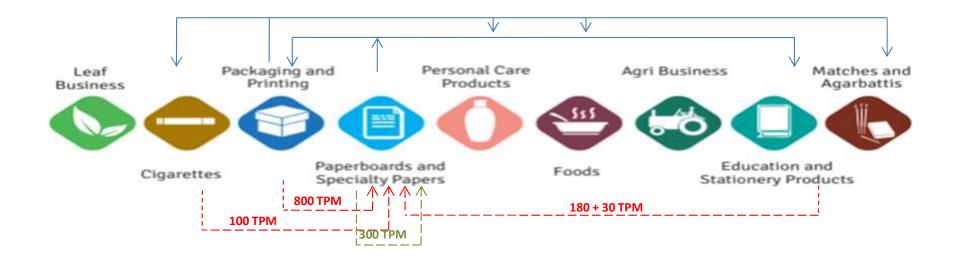
Reduction in Consumption of wrapper

- No. of sheets per pallet has been increased from 100 to 200 No's during Apr-21.
- 35.6% reduction in consumption of wrapper

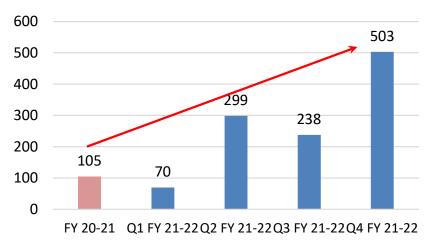




Sourcing through concept of Circular economy



- Started sourcing of Market Duplex cutting from our own converters.
- Earlier this was going to unorganized market vendors / landfill – No traceability
- Now diverted to ITC PSPD Kovai . Total 3 vendors developed in FY 21-22 & further 4 vendors under development



Alternate Biofuels



Key criteria for consideration are

- Availability (as byproduct from other plants).
- Road distance from the plant (transportation cost).
- Energy cost (Rs. per 1000 kcal).
- Alkali content.

Awareness to suppliers

- Due to pandemic, owing to the restrictions of travel, our visit to suppliers and training them on their factories has come down w.r.t previous FYs
- However, we are continuously giving awareness to maximum extent possible by using the leverage of digital technology



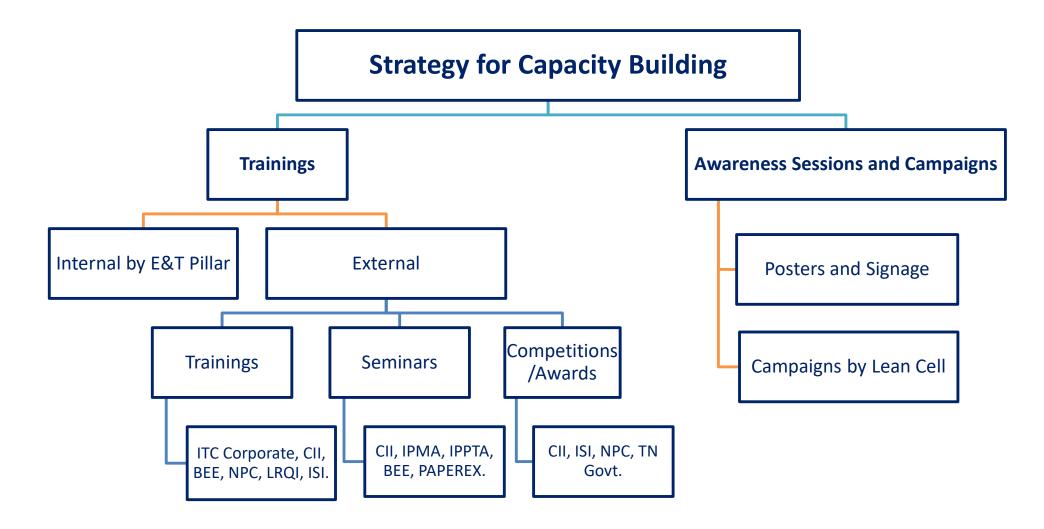


TEAM WORK, EMPLOYEE INVOLVEMENT & MONITORING



EMPLOYEE INVOLVEMENT & CAPACITY BUILDING

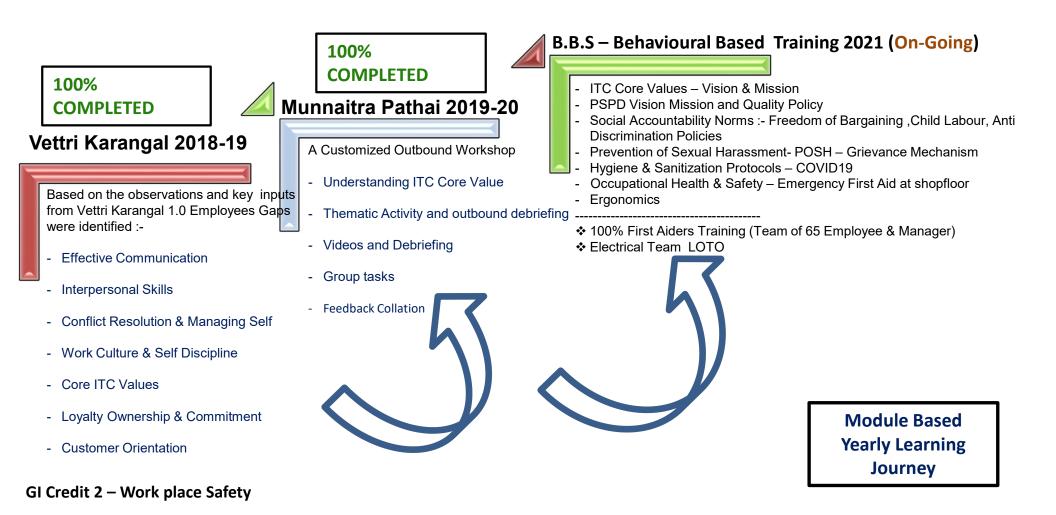
Awareness creation, Training & Capacity building



ENERGY MANAGEMENT CELL & ENERGY MANAGER

SNo	Name	Specialization	Energy Cell Role	
1	N Alagiri	Energy Manager & Environment	Head - Engineering	
2	P.Jayasankar	Energy Manger	Designated Unit Energy Manager	
3	Iswara Prasad	Energy Manager & Electrical	Board Machine representative	
4	S.Rajaram	Energy Manager & Operation	Utility representative	
5	M.Phaneendhra	Energy Manager & Mechanical	Engineering representative	
6	G Srikanth	Electrical	Electrical representative	
7	V.Abinesh	E&I	Stock representative	
8	P.Saranraj	Mechanical	Stock representative	
9	S Vignesh	Mechanical	Utility representative	
10	R.Siva	Process	Board Machine representative	
11	N.Sasi Kumar	Process	Stock representative	

BEHAVIOURAL TRAINING OF EMPLOYEES - Value Internalization Journey -



Kovai Kaizen Competition – KKC 1.0



Objective – KKC 1.0

- Kovai Kaizen Competition K.K.C 1.0 is organized for all category -Employees & Managers who are invited to showcase their Best Kaizen Contribution.
- To enhance their Presentation Skills ; A handholding session by respective leaders is practiced and then finally presented to Cross functional HODs in presence of Factory Manager

Unit Engagement & Performance Platforms

	Event	Participants	Award Winners
-	No of Managers Participated in KKC 1.0	62 Presentations	07 Winners!!!
	No of Managers Participated in "Think Young Workshop"	39 Presentations	13 Winners!!!

12-08-2022



Nurturing the Talent Pool

Refresher Induction Employees & Badlis



Glimpses of Refresher Session taken by Safety; QA & Business Excellence Leaders for Employees.

Phases	Learning objective	
Phase 1	Theoretical Understanding through Classroom sessions including special Interaction sessions with Functional Heads	
Phase 2	On Job Training at various areas of the Mill and Practical Demo Model of Miniature Factory and Equipments at Arivalayam Centre under the guidance of Senior workmen	

REWARD & RECOGNISATION

Reward Methodology:

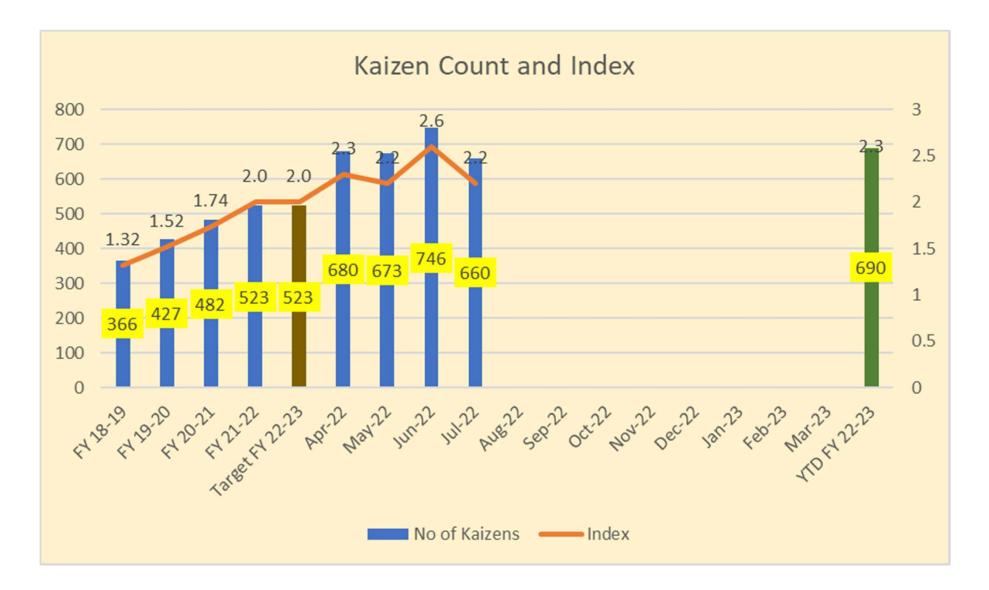
- All monetary reward for employees and managers shall be credited to their salary in the subsequent months.
- · For ESP & Badli of any PACT or Non-PACT members, the reward will be in kind only through ITC products, as mentioned in Category 6

SI No	Kaizen Benefit Category	Reward Category	Frequency of Evaluation	Individual Reward Value in Rs	Team Reward Value in Rs
1	All PQCDME Ideas	Best Kaizen for the Quarter (Individual)- Each PACT	Quarterly	1000	Max 100 per head (Max Rs1000/-per team)
		Best Kaizen for the Quarter (Group) – Each PACT		*	Max 100 per head (Max Rs1000/-per team)
2	All PQCDSME Ideas	Innovator of the Quarter- Individuals who have conceived and implemented 15 or more kaizen in a Quarter –Each PACT	Quarterly	500	Max 50 per head (MaxRs500/-per team)
3	Safety and Cost (Kaizen savings upto 1 lakh)	Best Kaizen for the Quarter(Individual) – Each PACT	Quarterly	500	Max 50 per head (MaxRs500/-per team)
		Best Kaizen for the Quarter (Group) – Each PACT			Max 50 per head (MaxRs500/-per team)
4	Inter PACT Competition	All PACTS	Quarterly	0.	3000
5a	All ideas with savings Morethan 1 lakh upto 5 lakhs	All Kaizen with monetary benefits upto 5Lakhs (Applicable for PACT members only)	Anytime	4000	
5b	All ideas with savings Morethan 5 lakhs	All Kaizen with monetary benefits more than5 Lakhs (Applicable for PACT members and managers)	Anytime	6000	2
5	Role Models	Each Role Model- Gift as and when declared by steering committee	One time	5000	-
6	Best Kaizen selected is from ESP& Badli of any PACT or of Non-PACT members	One Best Kaizen Idea / Quarterly – which got implemented by the ESP, Badli of any PACT or ESP of Non-PACT members	Quarterly	500	Max 50 per head (MaxRs500/-per team)

Divisional Level Recognitions

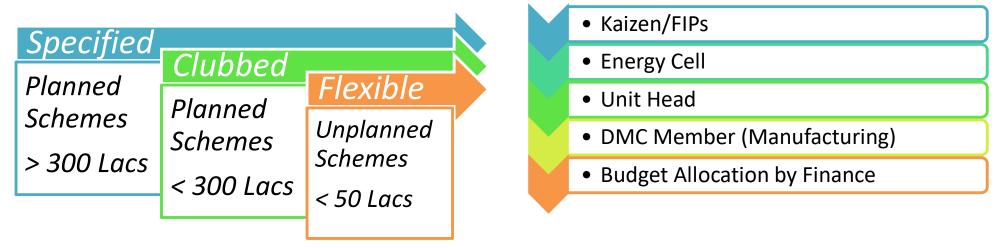


KAIZEN INDEX



FINANCIAL RESOURCE ALLOCATION: CRITERIA & PROCESS

- Planned Initiatives \rightarrow Planned Schemes.
- Kaizen/FIPs \rightarrow Unplanned Schemes.



Revenue Fund allocation & utilization

- Kaizens related to non capital asset will be implemented through revenue budget
- One time budget is reserved for Kaizens / FIPs

Eg: Pump efficiency coating, automation, line modification etc.

MONTHLY REVIEWS PERTAINING TO ENERGY EFFICIENCY

Monthly review at OGM meetings by the USB

Cross functional <u>Energy Management Cell</u> holds weekly meetings to review the energy consumption and initiates Energy Conservation Projects

Daily area wise <u>Energy consumptions</u> monitored, reviewed in AET meetings and updated in AET Boards

IMPLEMENTATION OF ISO 50001/GREEN CO/IGBC RATING



AWARDS RECEIVED BY UNIT KOVAI

1. C.I.I - 22st National Award for Excellence in Energy Management 2021 - 24-27th Aug"2021

- Unit Kovai has been awarded as" Energy Efficient Unit" by jury of National Award for Excellence in Energy Management held on 24-27th Aug"2021

2. C.I.I - 22stNational Award for Excellence in Energy Management 2021 - 24-27th Aug"2021

- Unit Kovai has been awarded as "Most Useful Presentation" by jury of National Award for Excellence in Energy Management held on 24-27th Aug"2021

3. C.I.I 17th Online Continuous Improvement Kaizen Competition 2022 – 30th June -1 July 22 CII Chennai

- Unit Kovai has been awarded with 1st Prize in Large Manufacturing operator Category for Continuous Improvement (Kaizen) Kaizen for Sheeter productivity improvement using parallel sheeting.

4. C.I.I 17th Online Continuous Improvement Kaizen Competition 2022 – 30th June -1 July 22 CII Chennai

- Unit Kovai has been awarded with Commendation Prize in Large Manufacturing operator Category for Continuous Improvement (Kaizen) Kaizen for White Pulp quality improvement using flap switch.

5. C.I.I 14thNational Competitiveness & Cluster Summit 2021 – 25 & 26th Nov"2021 ; CII Chandigarh Theme- Best HR Practices (Involvement via L&D)

- Unit Kovai HR won the Platinum award for Total employee Involvement

6. GreenCo Trending Performer Award – October 2020

- Unit Kovai won the GreenCoTrending Performer Award 2020; For the Unit efforts to sustain and overall improve unique initiatives & Excellent Achievements in GreenCo Aspects

CII - GreenCo Star Performer Awards 2020

Certificate of Recognition

AWARDED TO

ITC Limited, PSPD, Unit:Kovai

In recognition of excellence in GreenCo Performance and achieving GreenCo Trending Performer Award 2020

October 2020

Walantaliand

Confederation of Indian Industry 125 Years - Since 1995

K S Venkatagiri Executive Director CII Godrej GBC

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Pradeep Bhargava Chairman GreenCo Council Cll - Godrej GBC

L S Ganapati Chairman GreenCo Assessors Panel CII - Godrej GBC



AWS & ISO 50001

• Unit Kovai is the First Paper Mill in the world to achieve platinum rating – the highest rating

- under the Alliance for Water Stewardship standards..

• ITC Kovai is the first site in India and only the second in the world to be awarded this certification based on international benchmarks in water stewardship. The fact that the ITC Kovai was awarded the prestigious AWS Platinum level certification - only awarded to those sites that meet the very highest standards - is testament to the extensive actions directed beyond the site's own water use to supporting communities, vulnerable groups and local agencies to build a sustainable future.





THANK YOU

