



25th National Award for

Excellence in Energy Management

10-12 September 2024 HICC, Hyderabad

2024

APITORIA PHARMA PRIVATE LIMITED

UNIT-4U ,

Reg No: 4475

TEAM MEMBERS



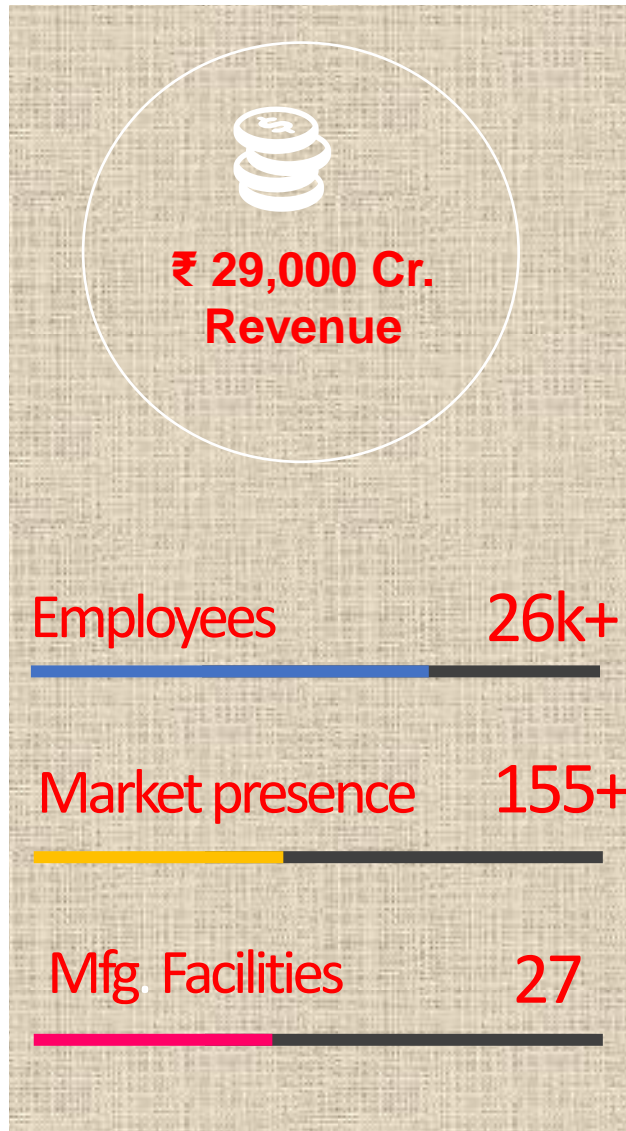
Save Energy

| Sr. No | Name | Designation | Mobile Number | Email address |
|--------|--------------------------|--------------------------|---------------|--|
| 1 | Mr. B. Srinivasa Rao | Asst. General Manager-EU | 9666041942 | SrinivasaRao.Balivada@aurobindo.com |
| 2 | Mr. G. Ramana Rao | Dy. Manager-EU | 9000595190 | RamanaRao.Gollangi@aurobindo.com |
| 3 | Mr. A. Janardhana Chetty | Manager-EU | 9948665781 | JanardhanaChetty.Annam@apitoria.com |
| 4 | Mr. B.V.S.S.N Raju | Sr. Executive-EU | 9666372308 | Unit4.maintenancepencillins@apitoria.com |

Brief Introduction on Company



100% subsidiary of Aurobindo Pharma Limited



Inception

Founded in 1986 by Mr. P. V. Ramprasad Reddy, Mr. K. Nityananda Reddy



IPO

Aurobindo Pharma became a public company in 1992



USFDA

All facilities are USFDA & other regulatory approved



41 Billion

Dosage Forms across the world

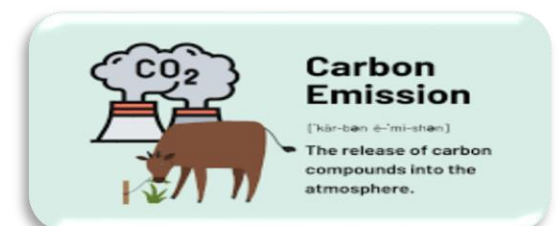


Largest generics company in the US (by Rx dispensed)



43,000 MWh

Solar Power Generation



17%

Reduction in carbon emissions from baseline year FY20 (Achieved more than 80% of 2025 target)



₹ 66.3 Cr In CSR Spends

7.38 Lakh Beneficiaries

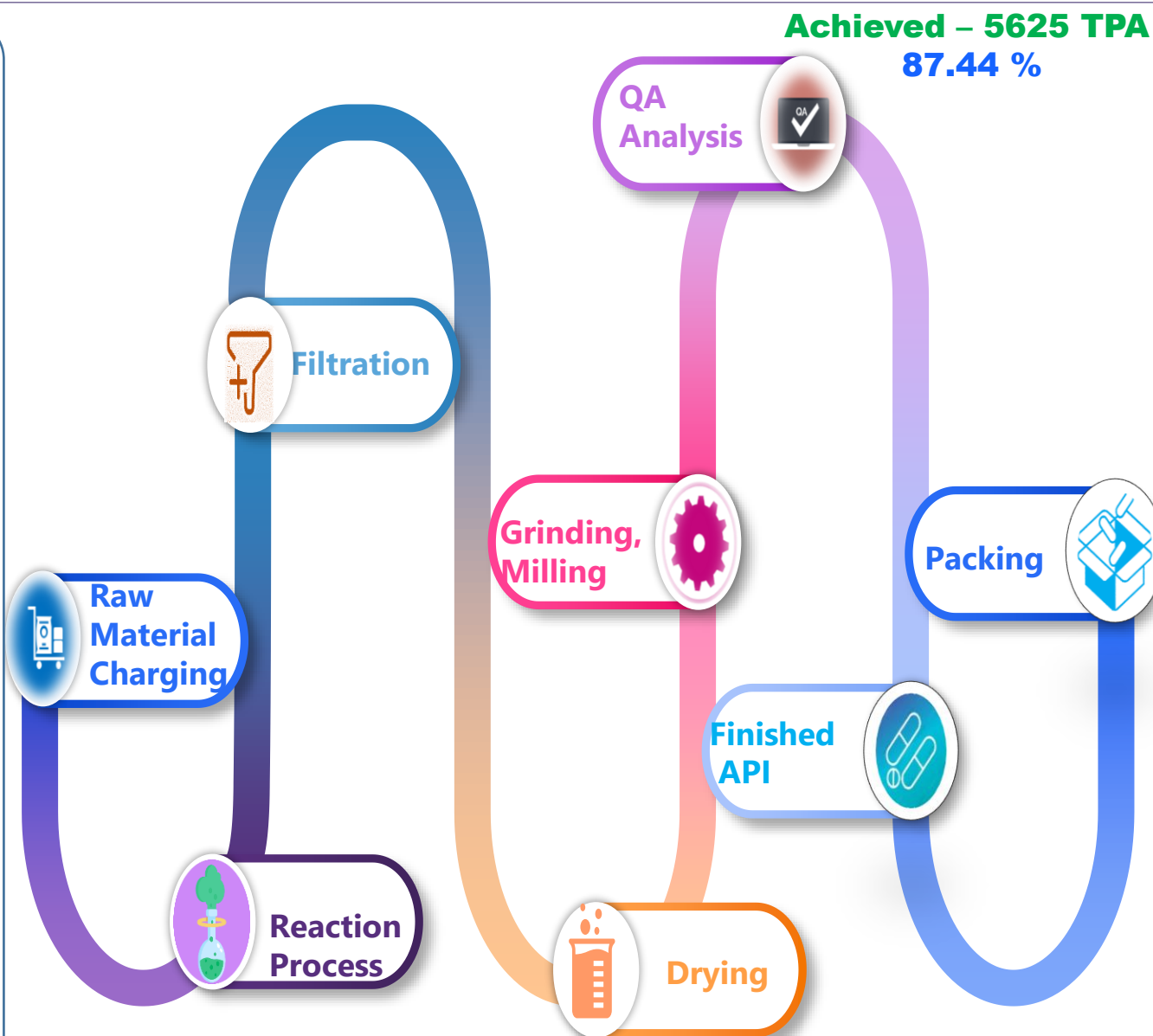


R&D Capabilities

5 in India and 4 in the US
1,500+ Scientists and analysts globally

Details of the Products / Processes

- Cefadroxil
- Cefixime
- Proxetil
- Cephalexin
- Sultamycillin Tosylate
- Cloxacillin Derivatives
- Amoxicillin Trihydrate
- Ampicillin Trihydrate



Plant Capacity TPA : 6433

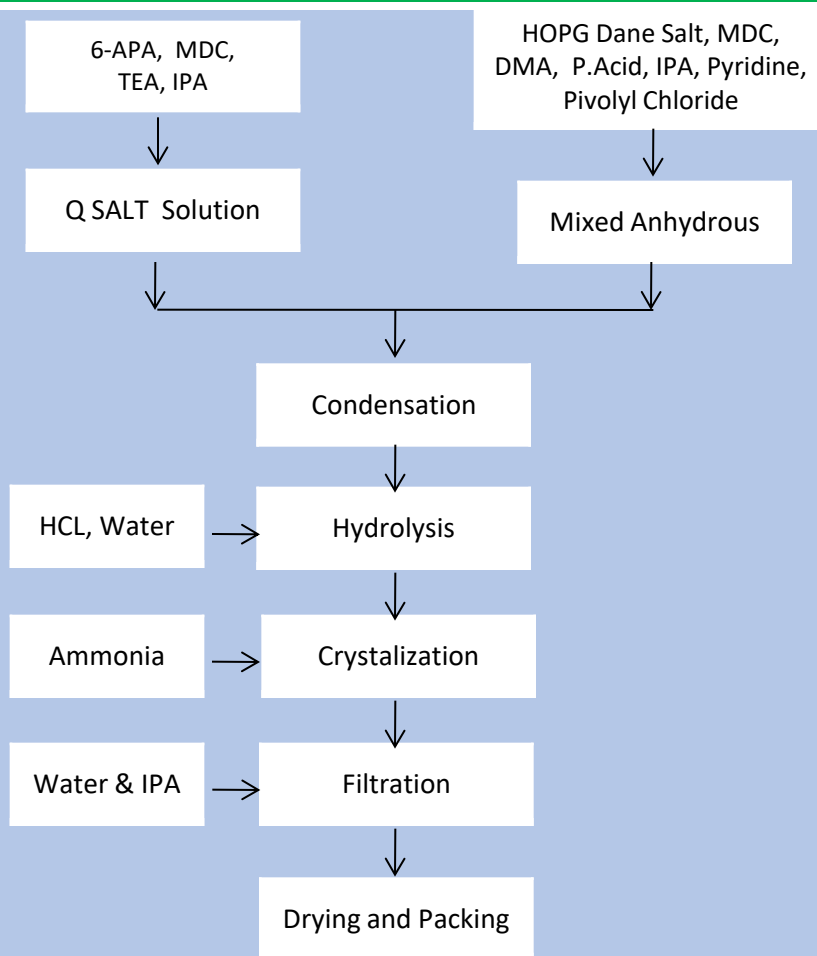
| Product | Capacity (TPA) |
|-----------------------------|----------------|
| Total | 6433 |
| Cefpodoxime Proxetil | 153.6 |
| Cefixime | 336.0 |
| Cefadroxil | 228.0 |
| Cephalexin | 416.4 |
| Sultamycillin Tosylate | 41.9 |
| Cloxa Benzathine | 9.2 |
| Flucloxacillin sodium | 30.0 |
| Dicloxacillin Sodium | 80.0 |
| Cloxacillin Sodium | 400.0 |
| Ampicillin Trihydrate | 814.0 |
| Amoxicillin Trihydrate (ER) | 3924 |

2.Manufacturing Processes :

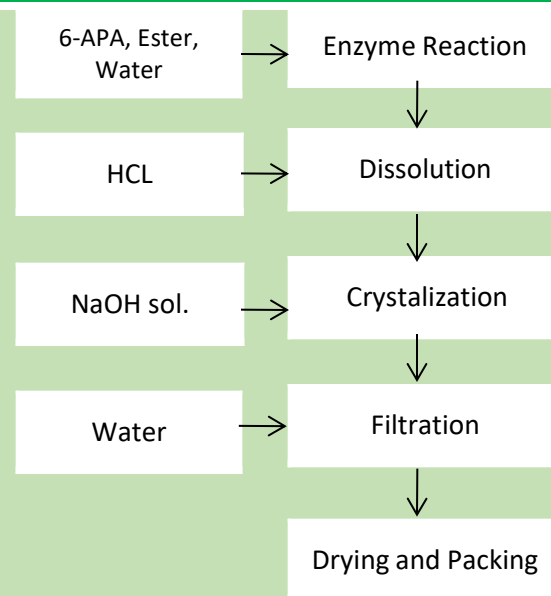
New Technology of Major Process : Chemical Synthesis to Enzymatic Synthesis



CHEMICAL SYNTHESIS



ENZYMATIC SYNTHESIS



ADVANTAGES

- Eco-Friendly Concept
- No requirement of Distillation & Recovery system
- Feasible Process
- Chemical & Solvent free
- Less Ingredients usage
- Simple, Short and Single pot reaction
- Time cycle for the product formation is ~13Hrs instead of 20Hrs
- Less utility consumption
- Better and improved quality
- SEC Reduced from 2450 KWH/MT to 1905 KWH/MT
- KWH/MT reduced by 545

3. Sp. Energy Consumption Overview – Last 3 Years



PRODUCTION

| YEAR | VALUE (MT) |
|------------|------------|
| FY 2021-22 | 3860 |
| FY 2022-23 | 5020 |
| FY 2023-24 | 5625 |

SPECIFIC ENERGY

| YEAR | VALUE (m kcal/KG) |
|------------|-------------------|
| FY 2021-22 | 12391 |
| FY 2022-23 | 11303 |
| FY 2023-24 | 10235 |



Production
10.75%

| YEAR | VALUE (m kcal) |
|------------|----------------|
| FY 2021-22 | 21916 |
| FY 2022-23 | 25543 |
| FY 2023-24 | 25672 |

THERMAL ENERGY

| YEAR | VALUE (m kWh) |
|------------|---------------|
| FY 2021-22 | 30.11 |
| FY 2022-23 | 36.26 |
| FY 2023-24 | 37.07 |

ELECTRICAL ENERGY



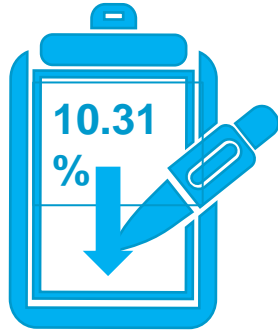
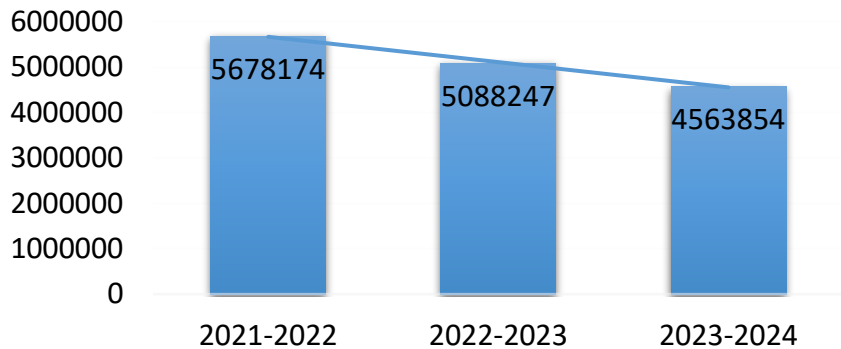
Specific Energy
9.45%



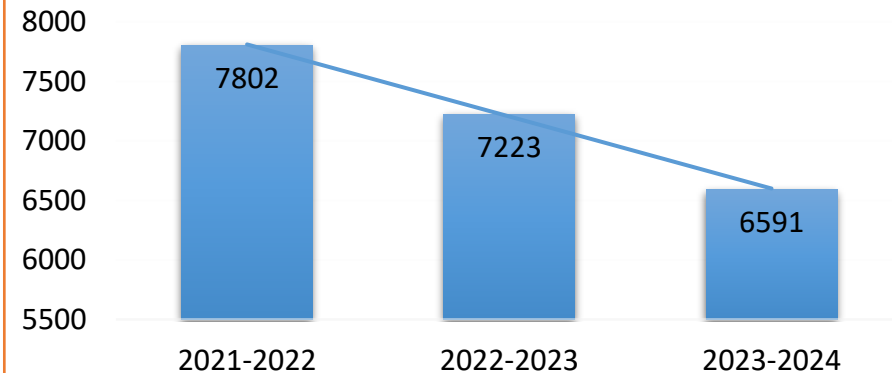
3. Specific Energy Consumption Overview – Last 3 Years



specific thermal energy consumption kcal/ ton of production



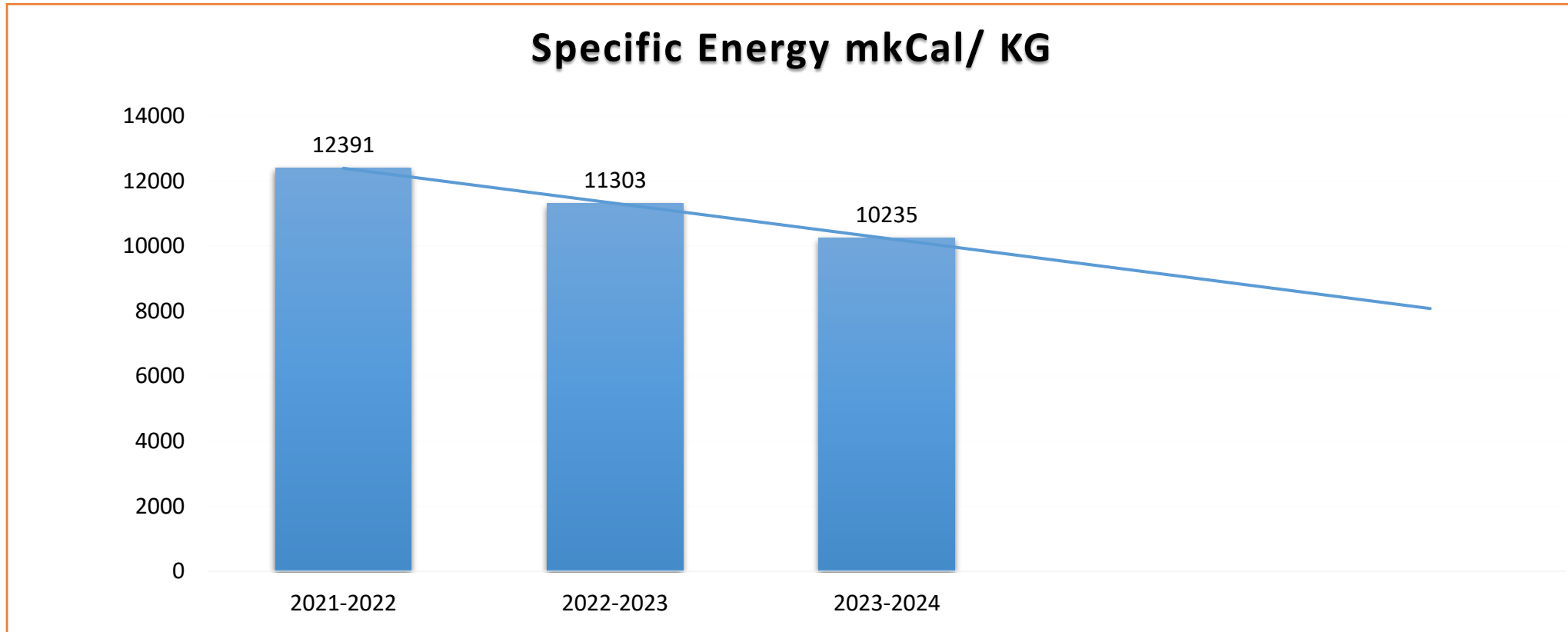
Specific Electrical Energy Consumption KWH/ Ton of Production



Implementation of various energy conservation activities contributed reduction of 9.45 % in overall SEC of the Plant :-

- > Reduction in power consumption by providing VFDs to Utility secondary Pumps . **Yearly Saved : 1431296 kwh.**
- > Energy saving by interlocking of Compressors RT & primary pumps, **Yearly Saved : 109829 kwh.**
- > Optimization of -20° C Chilling Plant operations during less Production By providing Inter Connection. **Yearly Saved : 348033 kwh.**
- > By increasing chiller set point in winter season , **Yearly Saved : 77563 KW**
- > Cooling tower fan motor running hours optimization by providing temp. controller/feed back and VFD. **Yearly Saved: 63750 KW**
- > Automatic level controller and sensor arranged for HTDS & LTDS pumps, **Yearly Saved: 21718 KW**
- > Cooling tower fan blade replaced with FRP fan blades in place of aluminum in Utility & SRS (Qty : 04 No's), **Yearly Saved: 100744 KW**
- > Maintained Zero steam leakages and re insulating the steam lines to avoid losses
- > Steam Operated Pump trap” arranged for distillation column condensate to reduce the steam loss. Yearly saved : **122.10 m Kcal/8 Columns**

3. Specific Energy Consumption Overview – Last 3 Years



Specific Energy Consumption reduced by 9.45 % comparatively last year.

4. Information on Internal benchmark - Utility



❖ Internal Bench mark : Chilling plant & Air Compressor

| Description | Design Temp (oC) | Design SEC (kW/TR) | Operating SEC (kW/TR) | Target SEC (kW/TR) |
|---------------------------------------|------------------|--------------------|-----------------------|--------------------|
| Reciprocating Chillers (Water Cooled) | +5 | 0.83 | 0.84 - 0.87 | 0.84 |
| | -20 | 1.58 | 1.59 -1.60 | 1.59 |
| | -30 | 1.84 | 1.86 -1.89 | 1.85 |
| | -35 | 1.95 | 1.97- 2.00 | 1.96 |
| Screw Chillers | +5 | 0.63 | 0.65 – 0.66 | 0.65 |

| Description | Design SEC (kW/CFM) | Operating SEC (kW/CFM) | Target SEC (kW/CFM) |
|-----------------|---------------------|------------------------|---------------------|
| Air Compressors | 0.19 | 0.21-0.22 | 0.20 |

> Chillers (+5°C , -20°C , -30°C & -35°C), Air compressors and Nitrogen Plants Performance evaluation done by CED Team , Based on evaluation data set as a target. Every month plant team did chiller assessment, Air compressor and Nitrogen plant performance to reach the target.

Energy Audit Instruments



| S No | Instruments | Make |
|------|------------------------------------|---------|
| 1 | Power Quality Analysers (2 Nos) | Krykard |
| 2 | Thermal Imager | Testo |
| 3 | Ultrasonic Flow Meter | Eesiflo |
| 4 | Ultra Sonic Thickness Gauge | Eqinox |
| 5 | Pitot tube | Nevco |
| 6 | Digital Manometer / Pressure meter | Comark |
| 7 | Hotwire Anemometer | Testo |
| 8 | TDS / pH Meter | Aquisol |
| 9 | Stroboscope / Tachometer | Extech |
| 10 | Humidity, DBT & WBT Meter | Testo |
| 11 | Digital Pressure Gauge | Testo |
| 12 | Lux Meter | Extech |
| 13 | Stop watch | Extech |
| 14 | Psling Psychrometric | Dimple |



4. Major Encon Projects Planned in FY 2024-25



FBD Cap-300 Kg/Hr. In Place of 120 KG FBD 3 No's

Investment : ₹ 9 million
Savings : ₹ 0.532 million
Payback : 24 Months



Higher efficient Sifter (make Russell)

Investment : ₹ 5.7 million
Savings : ₹ 0.77 million
Payback : 19.28 Months



Automatic Dry Granulator in place of Roll compactors 2 No's

Investment : ₹ 8.00 million
Savings : ₹ 1.25 million
Payback : 79 Months



Energy Saving by providing Efficient Air Compressors,

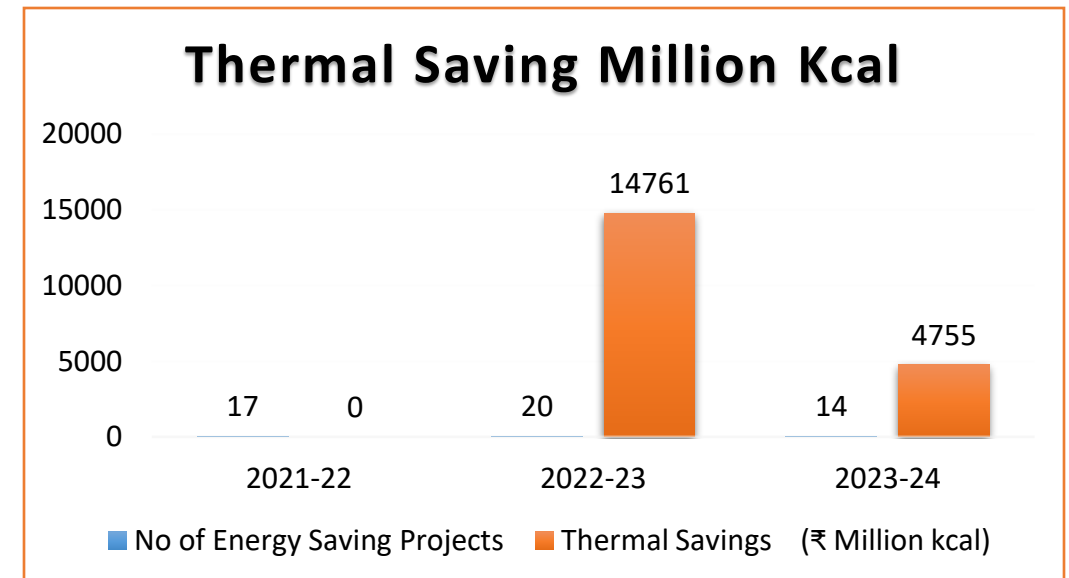
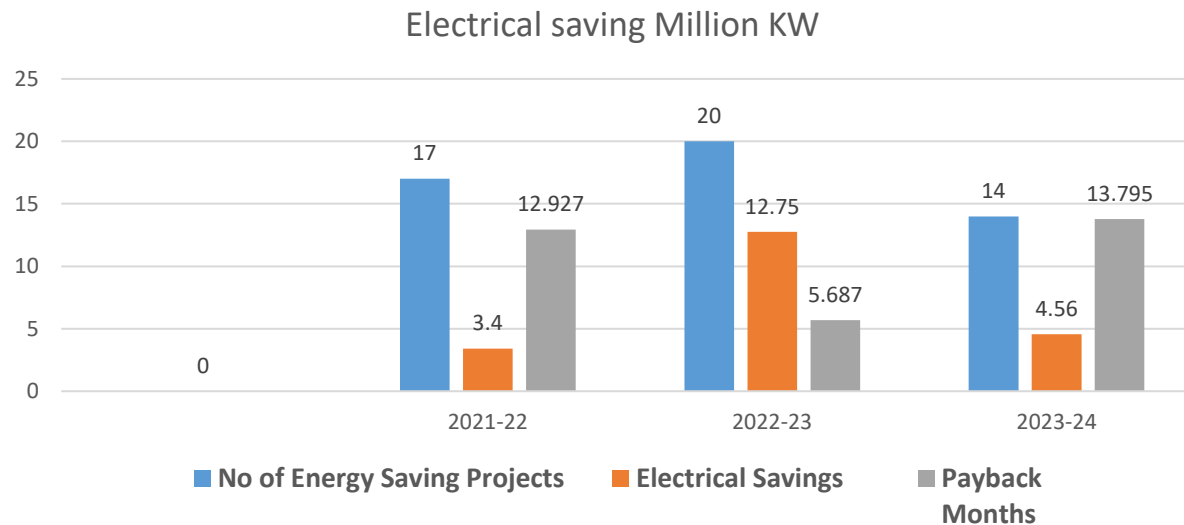
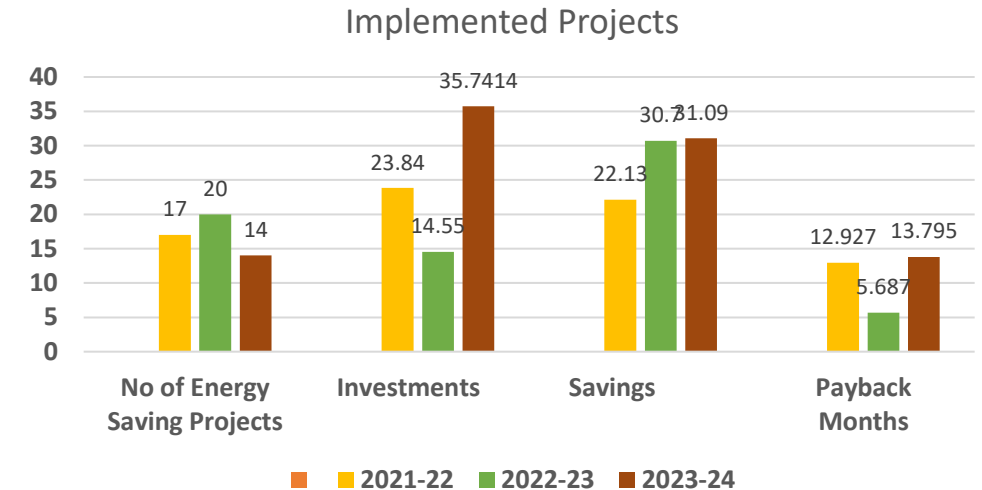
Investment : ₹ 1.6 million
Savings : ₹ 1.05 million
Payback : 9 Months

5. Energy Saving Projects Implemented in the last Three years



Summary of Energy Saving Projects Implemented in the last 3 years

| Year | No of Energy Saving Projects | Investments (₹ Million) | Electrical Savings (Million kWh) | Thermal Savings (Million kcal) | Savings (₹ Million) |
|---------|------------------------------|-------------------------|----------------------------------|--------------------------------|---------------------|
| 2021-22 | 17 | 23.84 | 3.40 | 0 | 22.13 |
| 2022-23 | 20 | 14.55 | 12.75 | 14761 | 30.70 |
| 2023-24 | 14 | 35.75 | 4.56 | 4755 | 31.09 |



5. Major Energy Saving Projects Implemented in the year 2023-2024



| 2023-2024 | Name of Energy Saving Projects | Investments (INR Million) | Electrical Savings (Million kWh) | Thermal Savings (Million kcal) | Total Savings (INR Million) | Payback Period (Months) |
|--------------|--|---------------------------|-----------------------------------|--------------------------------|-----------------------------|-------------------------|
| 1 | Advanced equipment introduced (AVPF) for filtration | 16.00 | 0.43 | 4755 | 3.37 | 56.97 |
| 2 | Advanced new roll Compactor for Amoxicillin product | 8.00 | 0.16 | 0.00 | 1.22 | 79.01 |
| 3 | Advanced new roll Compactor for cloxacillin products | 8.00 | 0.40 | | 3.11 | 30.87 |
| 4 | Reduction in power consumption by providing VFDs to Utility secondary Pumps | 2.30 | 1.43 | 0.00 | 11.16 | 2.47 |
| 5 | IR Reciprocating compressor Capacity 220cfm (two no's) replaced with 210CFM | 0.80 | 0.06 | 0.00 | 0.49 | 19.55 |
| 6 | Optimization of chilling plant (+5°C chilling plant for HVAC) | 0.21 | 0.67 | 0.00 | 5.23 | 0.47 |
| 7 | Replacement of CFL Lamps with LED lamps: | 0.18 | 0.09 | 0.00 | 0.72 | 2.93 |
| 8 | Cooling tower fan motor running hours optimization by providing temp. controller/feed back and VFD | 0.12 | 0.64 | 0.00 | 0.50 | 2.90 |
| 9 | Energy saving by interlocking of Compressors RT & primary pumps | 0.07 | 0.11 | 0.00 | 0.86 | 1.01 |
| 10 | Optimization of -20° C Chilling Plant operations during less Production | 0.05 | 0.35 | 0.00 | 2.71 | 0.22 |
| 11 | Cooling tower fan blade replaced | 0.01 | 0.10 | 0.00 | 0.79 | 0.16 |
| 12 | Automatically Switching OFF by providing timer | 0.01 | 0.02 | 0.00 | 0.17 | 0.35 |
| 13 | Automatic level controller and sensor arranged for HTDS & LTDS pumps | 0.00 | 0.02 | 0.00 | 0.17 | 0.28 |
| 14 | Power saving by increasing chiller set point in winter season | 0.00 | 0.08 | 0.00 | 0.61 | 0.00 |
| Total | | 35.75 | 4.56 | 4755 | 31.09 | 13.79 |

5. Major Energy Saving Projects Implemented in the year 2022-2023



| 2022-2023 | Name of Energy Saving Projects | Investments (INR Million) | Electrical Savings (Million kWh) | Thermal Savings (Million kcal) | Total Savings (INR Million) | Payback Period (Months) |
|----------------------------|---|---------------------------|-----------------------------------|--------------------------------|-----------------------------|-------------------------|
| 1 | Power saving by increasing chiller operation set point: 6° C to 9°C | 0.01 | 0.77 | 0.00 | 5.41 | 0.02 |
| 2 | Interlocking of Compressors RT & primary pumps | 0.20 | 0.21 | 0.00 | 1.49 | 1.61 |
| 3 | Reduction in power consumption by providing VFDs to Utility secondary Pumps | 0.56 | 0.13 | 0.00 | 0.89 | 7.55 |
| 4 | Cooling tower CT fan blade replaced with FRP blades | 0.05 | 0.02 | 0.00 | 0.16 | 3.38 |
| 5 | Implementation of higher cap. RT pump and replacement of its impellers | 2.00 | 0.23 | 0.00 | 1.64 | 14.63 |
| 6 | Cleaning of chilling plant condenser tubes with high pressure jet pump | 0.02 | 11.41 | 0.00 | 0.80 | 0.30 |
| 7 | Controlling the Cooling tower fan motors running hours by providing VFD and temp. controller | 0.60 | 0.05 | 0.00 | 0.35 | 20.57 |
| 8 | Blue star Chiller and its related RT pumps and Primary pump completely stopped by modification pipe line and energy pumps | 1.75 | 0.29 | 0.00 | 2.01 | 10.45 |
| Total (20 Projects) | | 14.55 | 12.75 | 14761 | 30.70 | 5.68 |

5. Major Energy Saving Projects Implemented in the year 2021-2022



| 2021-2022 | Name of Energy Saving Projects | Investments (INR Million) | Electrical Savings (Million kWh) | Thermal Savings (Million kcal) | Total Savings (INR Million) | Payback Period (Months) |
|----------------------------|--|---------------------------|-----------------------------------|--------------------------------|-----------------------------|-------------------------|
| 1 | Procure higher efficiency screw compressors to reduce the operational | 37.70 | 0.56 | 0.00 | 36.71 | 12.32 |
| 2 | Optimization of chillers assessment : During operations All chillers assessment evaluation completed | 0.10 | 0.11 | 0.00 | 7.39 | 0.16 |
| 3 | Optimization of all chilling plants operations : Descaling of all chiller related condensers | 1.20 | 0.09 | 0.00 | 5.94 | 2.42 |
| 4 | SRS-I and SRS-II distillation columns 18 no's primary condensers (RT water) descaling with high pressure Jet pump : | 1.80 | 0.05 | 0.00 | 0.34 | 63.53 |
| 5 | Optimization of Air compressor(ACPU01=100cfm) Services for P4,P5 FBD's , centrifuges pneumatic Interlocking systems and steam condensate Pump while in operations: | 0.20 | 0.02 | 0.00 | 0.11 | 21.82 |
| 6 | Optimization of -20° C Chilling Plant operations during less Production By providing Inter Connection of chilling plants | 1.00 | 0.21 | 0.00 | 1.39 | 8.63 |
| 7 | Optimization of +5°C Chilling Plant operations during less Production By providing Inter Connection of chilling plants | 0.20 | 0.44 | 0.00 | 2.86 | 0.84 |
| 8 | No air loss Auto drain valves arranged instead of timer based auto drain valve : | 0.10 | 0.10 | 0.00 | 0.67 | 1.79 |
| 9 | IR Reciprocating compressor replaced with Screw compressor | 1.00 | 0.11 | 0.00 | 7.20 | 1.67 |
| 10 | Semi Nitrogen Blanketing System provided for Centrifuges | 6.50 | 0.42 | 0.00 | 27.58 | 2.83 |
| 11 | ML Lamp replacement with LED | 1.80 | 0.61 | 0.00 | 39.50 | 0.55 |
| Total (17 Projects) | | 23.84 | 3.40 | 0.00 | 22.13 | 12.927 |

Start
15/04/23

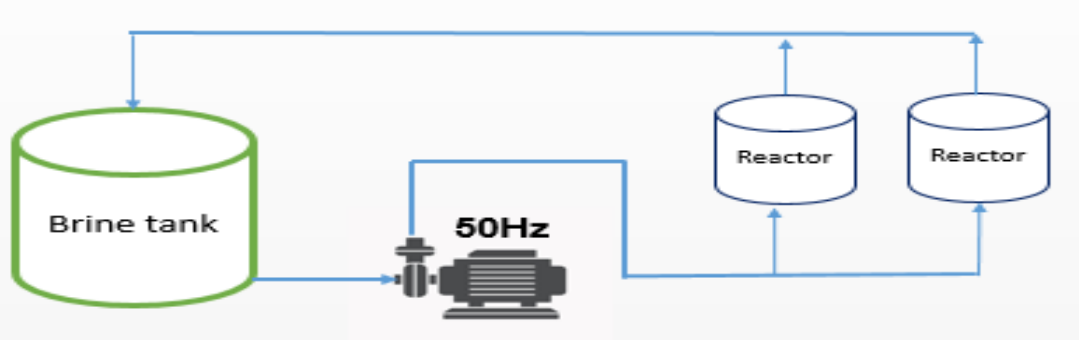
6. Innovation Project Implementation

Finish
25/05/23



Reduced the running frequency of Secondary & Process RT pumps, by providing VFD & Pressure Controller WRT line pressure which results in Energy conservation/saving.

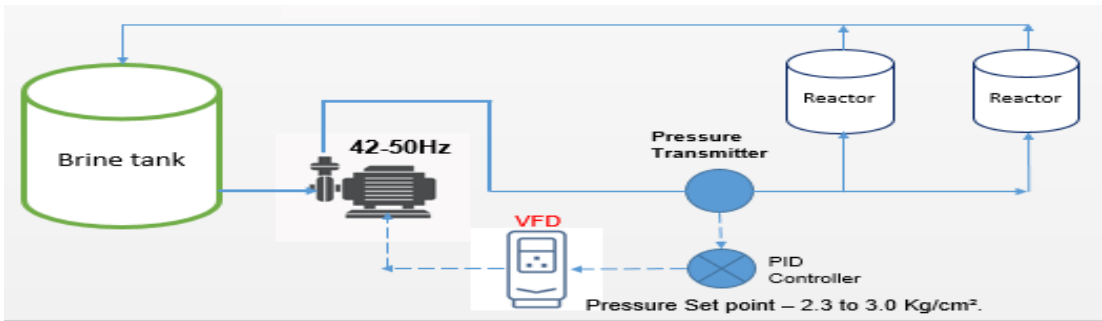
BEFORE IMPLEMENTATION



Earlier Process RT & -20°C secondary pumps were running with 50Hz frequency without any feedback with output pressure 3 Kg/cm². Qty.: 23 no's.

Avg. running KWH for 23no's pumps
461.89 KWH

AFTER IMPLEMENTATION



By installing VFD & Pressure controller with TX, now Process RT & -20°C Secondary pumps were running with pressure feedback and Motor frequency varies from 42Hz to 50 Hz as per process usage which results in Energy conservation/saving.

Avg. running KWH for 23no's pumps
298.5 KWH

SAVINGS: ₹111.64 Lakh/Y

INVESTMENT: ₹ 23 Lakh

MOTNHS
2.47

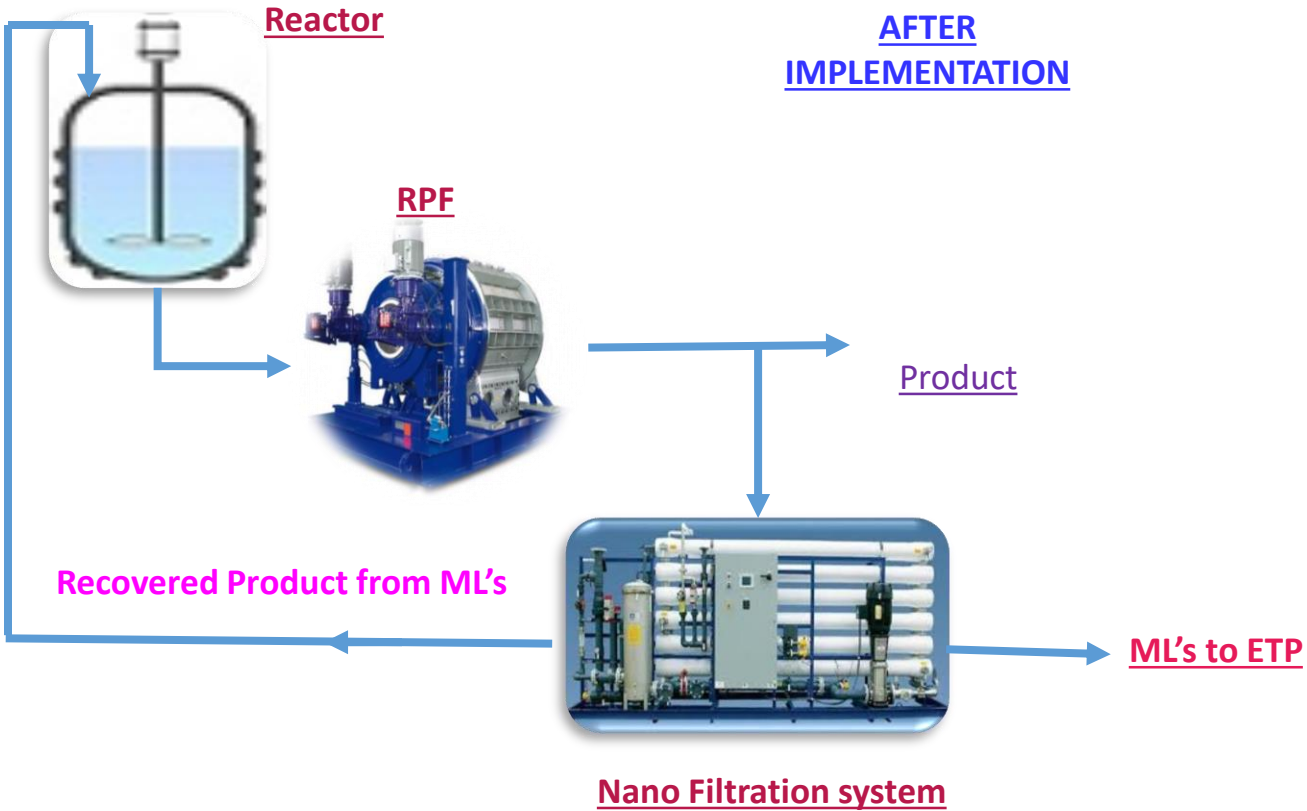
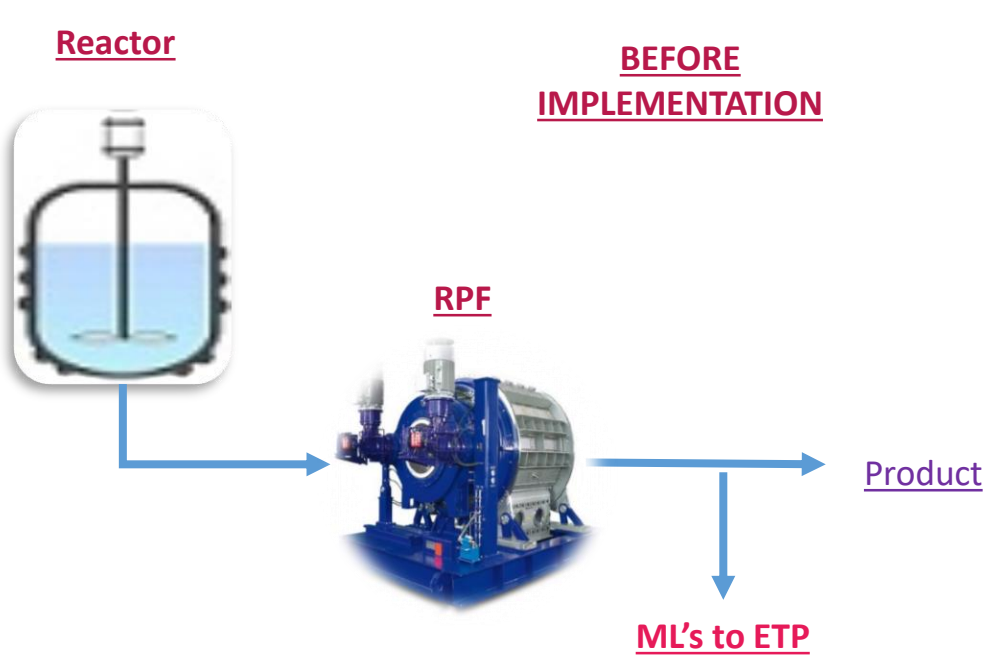
Start
10/05/23

6. Innovation Project Implementation

Finish
30/06/23



Introducing new Equipment **NANO FILTRATION SYSTEM** for recovering the products from waste mother liquor of Amoxicillin TH and Ampicillin TH.



With the Existing system some of the product escaping from Mother liquor after RPF

❖ Specific Energy Consumption KWH 1905/MT product.

After implementation product collected from NANO Filtration system 15-18 KG from 20 KL of waste mother liquor from each batch

- ❖ Specific Energy Consumption KWH 1825/MT product.
- ❖ Saving 80 KWH/MT, @ Production 3924 MT/Annum
- ❖ Saving KW : 313920 KWH/Annum.

Start

10/08/23

6. Innovation Project Implementation

Finish

25/08/23



01 no. Automated Dry Granulator (Capacity 250-300 KG/Hr) instead of manual mode compactor (Introducing Capacity 80-100 KG/Hr)04 No's. for Cloxacillin derivatives.

BEFORE IMPLEMENTATION



Manual Mode Compactor

4 No's Compactor's, 2 No's Miller, 2 No's Shifter used for Cloxacillin Product (Cap : 480 MT/Annum)

- Compactor : 14.7 KWH/Each x 04 No's = 58.85 KWH
- Miller : 2.2 KWH/Each x 02 No's = 4.4 KWH
- Sifter: 0.75 KWH/Each x 02 No's = 1.5 KWH

KWH consumption per Year = 419256 KWH/Annum

AFTER IMPLEMENTATION



Automated Dry Granulator

01 no. Automated Dry granulator Power consumption per annum 318512 KWH and time cycle reduced by 3 Hrs. per day

- **Benefit** : 100744 KWH/Annum
 - Man hours reduced for operation
 - Multiple operations eliminated

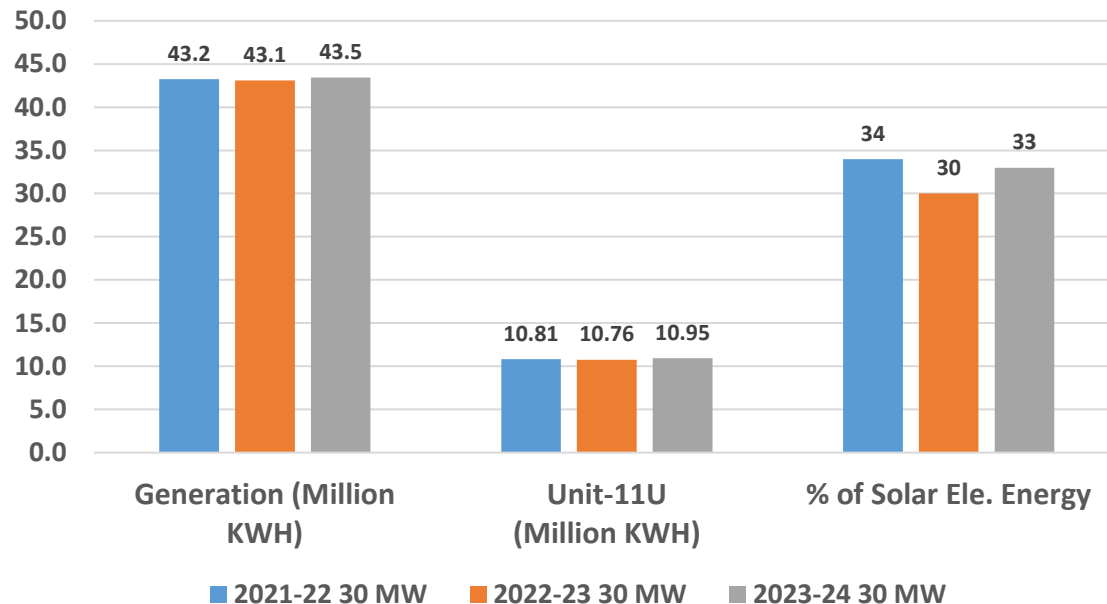
7. Utilisation Renewable Energy Sources : last 3 years



Solar 30 MW Renewable Energy

| Year | Technology (Ele) | Type of Energy | On site/Off Site | Installed Cap. | Generation (Million KWH) | Unit-4U (Million KWH) | % of Ele. Energy |
|---------|------------------|----------------|------------------|----------------|--------------------------|-----------------------|------------------|
| 2021-22 | Renewable | Solar System | Offsite | 30 MW | 43.24 | 10.81 | 34.0 |
| 2022-23 | Renewable | Solar System | Offsite | 30 MW | 43.03 | 10.76 | 30.0 |
| 2023-24 | Renewable | Solar System | Offsite | 30 MW | 43.45 | 10.86 | 33.0 |

30 MW Solar-11U



30 MW Solar

Share to Unit 4U : 25%



8.Sustainability / GHG Inventorisation



01 Sustainability Report



2023-24

Published maiden sustainability report for FY 2023-24

02 Goals & Targets -2025



2025

- 25% Renewable Energy Share (Power to Power)
- 12.5 % Reduction in Emissions
- 35% water conservation / restoration
- 60% coprocessing of hazardous waste
- 100% reuse & recycling nonhazardous waste
- 25% hours of learning per employee

FY 2022- 24

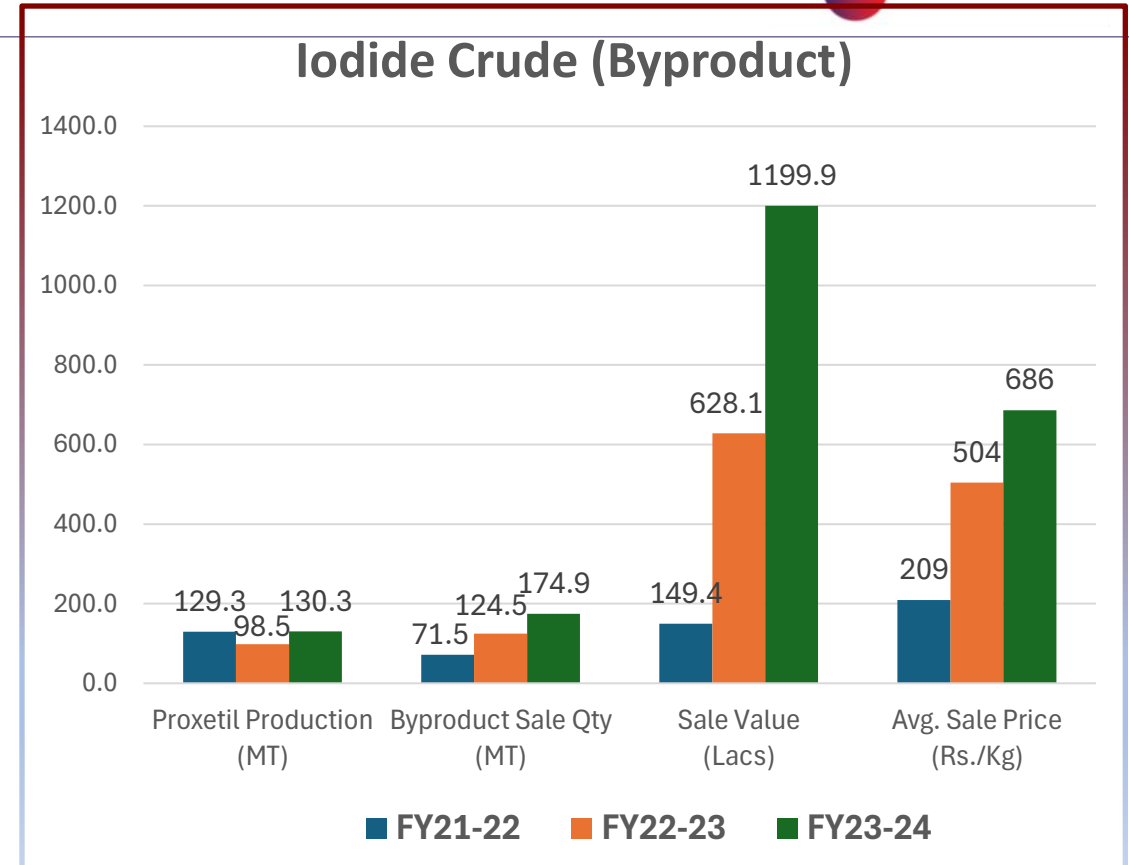
| FY | Production (MT) | Total kgCO ₂ / Ton of Product | Scope 1 | Scope 2 |
|---------|-----------------|--|---------|---------|
| 2021-22 | 3860 | 56318 | 31326 | 24993 |
| 2022-23 | 5020 | 62,025 | 31929 | 30096 |
| 2023-24 | 5625 | 64,415 | 32145 | 30156 |

03 GHG Emissions

Iodine Recovery from Proxetil (By-product)

| YoY | Proxetil Production (MT) | Byproduct Sale Qty (MT) | Sale Value (Lacs) | Avg. Sale Price (Rs./Kg) | Byproduct Recovery Kg/Kg |
|----------------|--------------------------|-------------------------|-------------------|--------------------------|--------------------------|
| FY21-22 | 129.3 | 71.5 | 149.4 | 209 | 0.55 |
| FY22-23 | 98.5 | 124.5 | 628.1 | 504 | 1.26 |
| FY23-24 | 130.3 | 174.9 | 1199.9 | 686 | 1.34 |

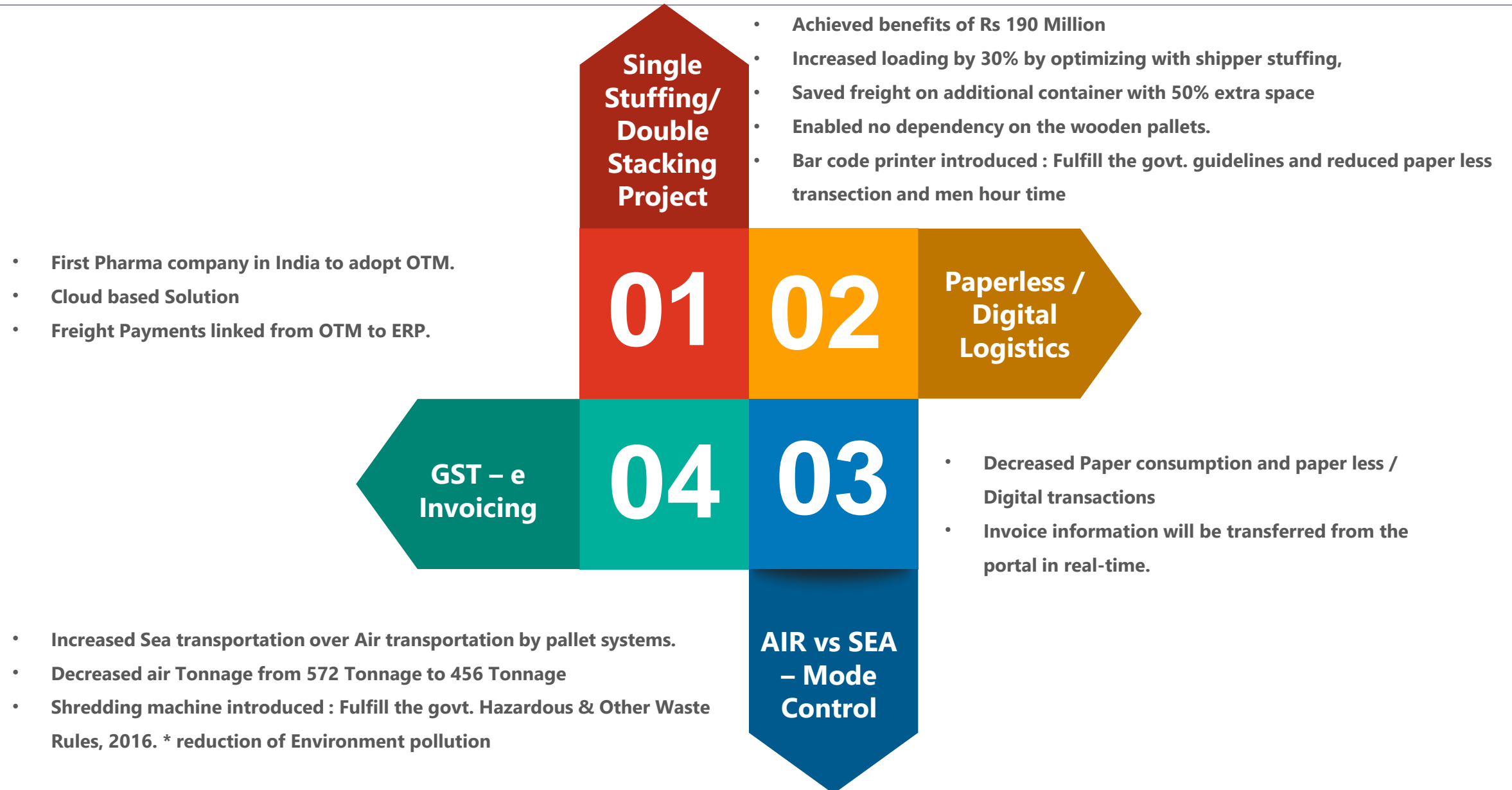
- Byproduct generation increased from 1.26 to 1.34 Kg/Kg of API
- Overall, Iodine Recovery Improved from 66% (FY23) to 96% (FY24)
- Recovery Increased 33%
- Waste generation from Proxetil product decreased



Road map to achieve target for Recovery improvement:

pH of spent (EA+DMAc+Water +Iodide salt) adjusted 12.0 to 12.5 after complete removal of Ethyl acetate to avoid formation of ethanol & Acetic acid at basic condition which is impacting on quality of recovered DMAc) as mostly iodine is stable & non-volatile at pH 10.5 to 12.5 to get maximum iodine recovery.

9. Green Supply Chain Management



10. Energy Management System - Procedures



- Establishing, implementing & improving the EMS.
- Providing necessary support
- Ensure compliance requirement.
- Commitment to continuous improvement
- Purchase of energy efficient equipment's.
- Documentation & communication to all levels within the organisation.

- Day by day record & update the daily energy data.
- Evolution by identifying areas with significant energy use with the help of measurements & identifications.
- Energy performance indicator.
- Define strategic & operational energy goals.

- Creating awareness and training for employees.
- Control of process in critical energy areas.
- Consideration in purchase of energy efficient systems & devices.

- Regular monitoring, measurements & analysis.
- CED Internal auditing.
- Initiation of corrective action & preventive actions.

- Regular review of energy management system.
- It must fulfil the purpose for which it indented.
- Strategic & operational goal to be fulfilled.

- ✓ Power monitoring Plant /block wise with EL Measure Software.
- ✓ Stem demand monitoring Plant /block wise
- ✓ Reports/Trends (hourly / Daily/Monthly/Annual)
- ✓ Hourly based Real time parameters recording
- ✓ Daily report sharing & analysis (Plant/block wise)
- ✓ Monthly Energy Analysis for Area/block wise

Energy measuring devices

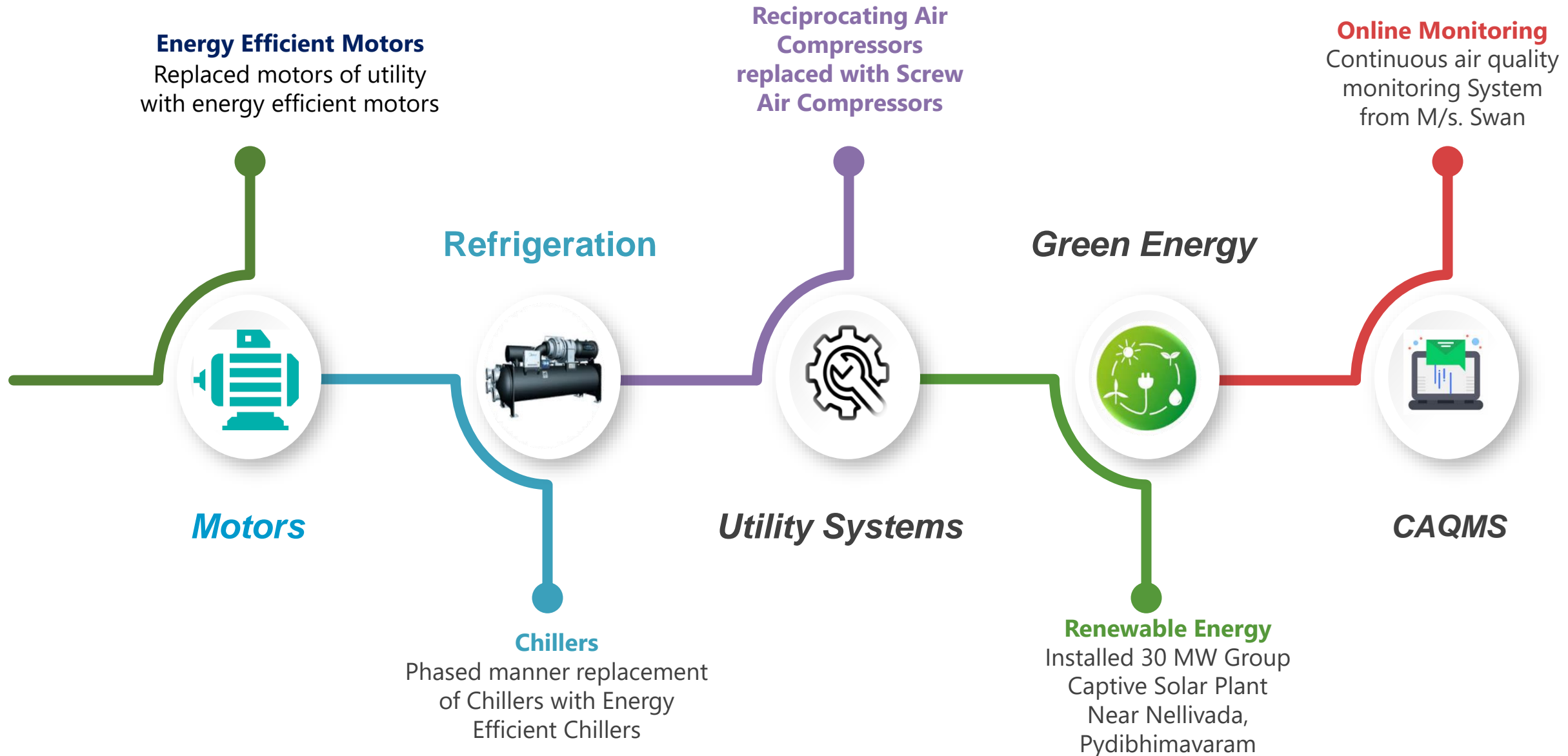




Sustainability Goals -2025

- 20% renewable energy share (Power-to-Power)
- 12.5% reduction in carbon footprint (as per SBTi - WB2°C)
- Towards water neutrality - 35% water conservation / restoration
- 60% Co-Processing of hazardous waste
- 100% reuse / recycle of non-hazardous waste
- 100% of key starting material suppliers in India of finished dosage forms (Drug product) shall be assessed on supplier's code of conduct
- Promote balanced gender and equal opportunity: 12.75% women out of total workforce
- Continuous employee training & development: 25 hours of learning per employee
- Empowering communities to build a progressive ecosystem
- Continuous efforts to ensure ZERO reportable incidents across operations
- Innovating and strengthening healthcare systems across

Learnings from CII - last 3 Years



Energy Week / Energy Conservation Day Celebrations



Programs conducted during “ Energy conservation week”



Awareness Rally inside the Plant



Essay writing

Real Time

Best Ideas

Technical Quiz

Poster Making

Total No. of
Participants 96 no's

Total No. of
Assessments 08 no's

Total No. of
Participants 36 no's

Total No. of
Participants 168 no's

Total No. of
Participants 64 no's

Total Employees : 645

➤ Total participants : 372

➤ Overall participants : 57 %

Energy Week / Energy Conservation Day Celebrations



Teamwork, Employee Involvement & Monitoring



Teamwork

- Implemented Kaizen & 5S programmes by forming teams
- Awards & appreciations for best programmes



Employee Involvement

- Organized Energy Conservation Week Celebrations and involved all employees
- Energy review and monitoring



Training Programmes

- Given training programmes on Root cause analysis (RCA), and Reliability Maintenance (RM)
- Training on steam / utility systems



Monitoring

- Daily / weekly monitoring of Energy Consumption areas / major equipment.
- Review of KPIs, Performances in the presence of plant heads.

Awards & Recognitions



CSR Activities



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Source: <https://apptoria.com/>



- 2,550 Cycles Distribution to Govt. High School Girls studying 8,9,10th class @ 1.50 Cr.
- Construction of Multi-Purpose Community Hall @ 0.90 Cr.
- Providing Solar energy System to 40 no's Sachivalayam @ 0.60 Cr.
- Red Cross Society - Blood bank Building construction @ 0.55 Cr
- Total contributed amount Rs. 10 .40 Cr.



Aurobindo extends support to TB patients

HANS NEWS SERVICE
VIZIANAGARAM

AUROBINDO Pharma Foundation has extended support to tuberculosis patients by providing healthy food and supplements. On Tuesday, the company management met the district collector A Surya Kumari. They said that the company is in partnership with the programme initiated by the Union

government, Pradhan Mantri TB Mukth Bharat. They said that thousand patients from the three north Andhra districts are selected under the programme. Every patient will get food basket worth Rs 4,200 per month and it will be continued for six months. As part of the programme a cheque of Rs 12.60 lakh has been handed over to collector to supply food to 300 patients in the district.

Thank You



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