SYNCRO



PLANNING DOCUMENT

Hospital Laundry Planning Document

A practical guide to planning an on-premise laundry for hospitals and healthcare facilities.

SECTION 02

Introduction

12,000
INSTALLATIONS

70,000
MACHINES IN OPERATION

18,000m
MANUFACTURING FACILITIES

50
YEARS OF EXCELLENCE

Objective

Laundry solutions that deliver results.

We design and manufacture industrial laundry machines that are efficient, durable, and globally competitive while reducing cost per cycle and enhancing operational ease for our clients across sectors.

Customers

Efficiently serving all sectors.

From leading hotel chains and hospitals to garment manufacturers and government institutions, Stefab caters to clients across hospitality, healthcare, apparel, & industrial segments.

Services

We support you at every step.

We offer comprehensive laundry solutions, including project designs, utility economics feasibility charts, installation, training, and prompt after-sales service. Our focus is seamless operations and client satisfaction at every step.

Dealers

The ASA community.

Our Authorized Stefab Associates are an extension of our sales team with complete knowledge and can guide clients in choosing the right products, and deliver world-class services and support. Ensuring satisfaction at every step, wherever you are.

Products

Widest range. Affordable prices.

We manufacture a full spectrum of laundry equipment like washer extractors, dryers, flat-work systems, dry-cleaning & finishing machines, built to handle high volumes & deliver consistent results.

Made for the world

Precision engineering. International quality.

Since 1975, Stefab has been engineering world-class industrial laundry machines. With over five decades of expertise, we build cost-efficient machines that deliver premium solutions trusted across industries.



SECTION 03

A closer look.











SYNCRO

Quality is as much in the actual product, as in the mind.

Indeed, in this interface of vision & reality, an idea is born. For Stefab, it all began in 1975: a desire to do what no other company had done before — make user-friendly, cost-effective industrial laundry, dry-cleaning, apparel processing and steam finishing machines at par with world standards.

Today, 18,000 square metres of state-of-the-art manufacturing facilities, computer-aided design and a work-force of over 350 qualified and experienced people attribute to the high standards of Stefab machines used worldwide. With over 12,000 major installations, Stefab quality and expertise continue to remain unmatched.

Deepak Arora

Managing Director



SECTION 05

Widest Range, Affordable Prices & Truly World Class.

SECTION 06

Why Choose On-Premise Laundry for Healthcare?

Infection Control

On-premises laundries allow hospitals to maintain strict hygiene protocols. Linen is processed under controlled conditions, preventing cross-contamination and ensuring compliance with infection control standards critical to patient safety and institutional hygiene.

Lower Costs

When hospitals run laundry in-house, they cut vendor margins and transport costs. Direct control over utilities, detergents, staffing, and linen care helps reduce operational expenses while ensuring stable, measurable long-term savings across departments

Consistent Quality

In-house laundries give hospitals full control over wash temperatures, disinfection cycles, and chemical dosing. This ensures consistent, medical-grade hygiene standards for every load, enhancing safety and extending the life of healthcare linens.

Faster Turnaround

Essential items such as patient linen, OT gowns, and staff uniforms can be washed, sanitized, and returned within hours. This rapid turnaround ensures uninterrupted patient care, timely procedures, and smoother day-to-day hospital operations.

Operational Reliability

With full control over laundry processes, hospitals eliminate vendor delays. Clean, sanitized linen stays consistently available even during emergencies, night shifts, sudden admissions, or periods of high patient inflow, ensuring uninterrupted operations.

Better ROI

By reducing vendor dependency, minimizing linen damage, and controlling utility and labour costs, hospitals achieve faster returns on investment. In-house laundries offer long- term savings while significantly improving hygiene standards and overall operational efficiency.





SECTION 07

In-house pays Laundry for itself within just a Few Years.

SECTION 08

What is Needed for an On-Premise Laundry?



SECTION 09

What to Look for in Hospital Laundry Equipment?

Stefab offers the most advanced ranges of healthcare laundry equipment. Our machines combine durability, hygiene assurance and operational ease making them the preferred choice for hospitals nationwide.

What to Look for in Hospital Laundry Equipment? Stefab offers the most advanced ranges of healthcare laundry equipment. Our machines combine durability, hygiene assurance and operational ease making them the preferred choice for hospitals nationwide.
Easy to Operate Select equipment with preset programs for consistent, hygienic results with minimal training.
Energy Efficient Select machines that save water and energy while lowering overal operating costs.
Hygiene Certified Barrier washers separate clean and soiled zones, ensuring hospital-grade hygiene and infection control
Durable & Reliable Pick robust, hospital-grade machines engineered for continuous use, ensuring long-term reliability.
Right Capacity Machines sized to daily linen loads ensure balanced work flows, future scalability, and smooth hospital operations.



SECTION 10

Infection Barrier Washer Extractors. Need of the hour!

Soiled & Clean Separation

Ensures complete physical

separation between contaminated and hygienic

linen areas.

Healthcare Compliance

Staff Safety Protects laundry staff from direct exposure to contaminated linen and

Supports compliance with hospital hygiene standards, regulations, and accreditation

requirements.

biological hazards.

Cross-Contamination Control

Prevents spread of pathogens into clean storage, corridors, and

patient care areas.

Trust & Reputation

Enhances hospital credibility by demonstrating

a strong commitment to

hygiene and safety.



SECTION 11

Why Choose Stefab?

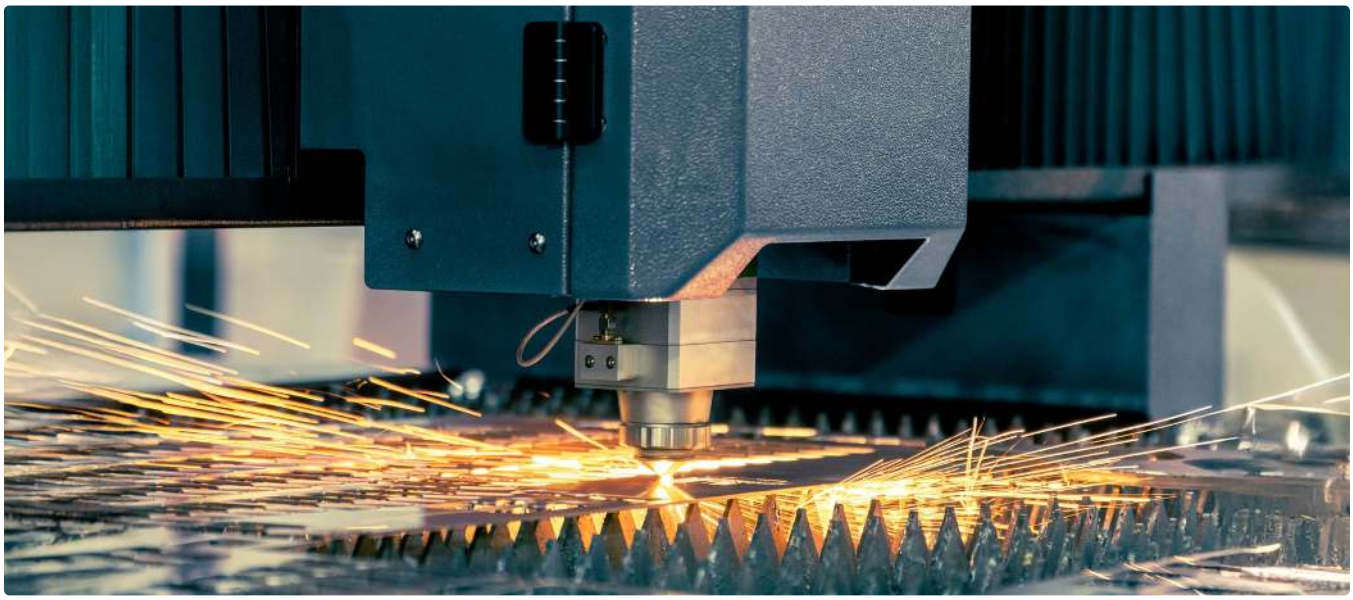
Stefab machines are engineered for continuous, high-volume hospital operations. Built with premium materials, they ensure efficiency, hygiene, and reliability while handling heavy loads and critical sanitation cycles. Hospitals benefit from consistent disinfection, reduced downtime, longer machine life and the confidence of a dependable laundry system that supports quality patient care.

STRONG BUILT

Healthcare downtime disrupts patient care. Stefab's nationwide service network ensures uninterrupted operations through quick response times, genuine spare parts, and expert technical support. Our comprehensive training, preventive maintenance, extended warranty programs and dedicated coverage make us a trusted long-term partner for hospitals worldwide.

ASSURED SUPPORT

Every healthcare facility has unique laundry requirements. Stefab offers customized laundry design and consultancy services including utility planning, machine sizing, workflow optimization and cost analysis. We ensure compliance with infection-control norms, maximize space efficiency and enable hygienic segregation creating fully optimized laundry systems beneficial for the brand.



SECTION 12

Made for the World.

Stefab combines the precision, innovation and performance that match international standards with the advantage of being built. Each machine blends precision engineering, cutting-edge technology, and unmatched durability to meet the toughest operational demands. Designed for efficiency and reliability, our systems empower businesses to maximise performance, minimise costs and maintain the highest standards.

Durability

Stefab

EU / American Manufacturers

Chinese Manufacturers

Local Equipment

Technology

Stefab

EU / American Manufacturers

Chinese Manufacturers

Local Equipment

Stefab EU / American Manufacturers Chinese Manufacturers Local Equipment

Energy Efficiency

Stefab

EU / American Manufacturers

Chinese Manufacturers

Local Equipment

SECTION 13

Genuine Parts

Original Quality

Spare parts are available locally as well & may cost less initially, but they are not engineered specifically for Stefab machines. Often they need to be replaced and can damage other parts and affect the performance of our machines. One has to be careful, and it is always best to install authentic parts.

Every component in the machine has the highest level of R&D & technical expertise behind it. The quality of genuine parts cannot be compared to the parts available locally. Stefab has been producing laundry machines for over 50 years.

Excellent Service Capabilities

Our machines are built to last and they are backed up by industry's best service & warranty policies.

Service is one of the most important factors while you choose your laundry equipment partner. With Stefab one can be totally sure of the same. Our Service is backed by our engineers and associates spread nationwide and abroad. We understand breakdowns and it has always been our first priority to address complaints providing quick service and genuine parts to our customers.

We stand behind every machine we produce with comprehensive warranty on all machines, which is by far a better value than what is offered by the competing companies. Stefab comprehensive warranty plan proves the strength of our machines. Our commitment to producing advanced and reliable machines is braced by our warranty policy.

Should you require more information on Service & Warranty, please contact us on service@stefab.com





SECTION 14

Choosing the right heating mode!

Parameter Electric External Boiler Gas

Plug-n-play. All machines have in-built electric heaters which makes it extremely convenient for quick installation.	Steam boiler with chimney of a certain height along with diesel tank & water softener plant. Steam piping to all machines with proper insulation is required.
Negligible	Moderate to High
10/10 in washing 9/10 in flat-work ironing	10/10
None	Yes, Diesel Tank
Only heaters need to be replaced depending on the usage.	Low maintenance of machines but boiler needs continuous monitoring & maintenance.

SECTION 15

Achieving lowest cost per cycle

For up-to three tons per shift we suggest an all electric setup. As & how the capacity of the laundry setup goes beyond that, the electric load substantially increases. If higher electric load is available at site at an economical rate per KW, then an all electric setup is the most feasible up-to even three tonnes/ shift.

For instance a Stefab 60 kg washer extractor's drive motor consumes only 6 units & its electric consumption for heaters is only 9 units per cycle, which raises the temperature of water up-to 70 Degrees. This system is the most efficient as per the ongoing industry norms.

Similarly, the ironers produced by us contribute significantly & help us to choose a system where we put the least ecological impact on environment. We are amongst the very few to produce an all electric chest heated ironer in 830 MM dia consuming only 72 KW, achieving an evaporation rate of 100 Kg per hour making it by far the most effective solution for flat-work ironing.

Stefab technical team furnishes consumption parameters charts with real-time economics for the user to understand the best system as per their needs.

If the electric load is limited, then the heat production from electric heaters is then replaced by the major fuel available. Electricity in this case then is only used to cater the motor loads of the machines.

Therefore, every setup is unique and to conclude the best arrangement of heating modes depends on various parameters. Initial CAPEX budgeting in some cases also play an important role to decide if the user wants to invest in steam boilers or not. Boiler is not the only investment but the chimney, piping, tanks etc associated with it increases the project costs substantially. Stefab has a wide range of products with multiple heating modes which gives the freedom to the user to choose the right heating mode as per the site conditions & dynamics.

Our solution with competitive CAPEX & OPEX charts lead to the lowest per KG cost per cycle in any segment. Visit stefab.com for more information.



SECTION 16

Technical Competence

Stefab has developed indigenous technologies over the years for all segments of machines. These advancements has given us a strong competitive edge in the industry making us the most preferred choice when it comes to efficiency and ecological footprint. These particular independent innovations are precisely developed keeping in mind the increasing costs of manpower, fuel, water etc.

The systems we deliver are the most effective solutions for any customer comprising primarily of washers, dryers and ironers along with auxiliary equipment. Every product has one or two key components which eventually are the deciding factor to validate the efficiency. Stefab has precisely improved the core competence of each of its major offerings which make the end solution more reliable, efficient and cost effective in the long run.

It is the cost per cycle which makes the difference for any industry and that is what we as a brand, focus on.

Precision machined, ground smooth & polished chest exerts uniform high pressure across the entire roll through pneumatic cylinders. We are among the very few in the world to produce an all electric 830 mm dia, chest heated ironer. Stefab has more than 2000 chest ironers in operation worldwide.

Fully programable computer captures all the features for any customized process. The preset programs can be easily modified or erased. Step by step display provides cycle advance, variable time signal & diagnostic checks. IoT Enabled with smart wireless connectivity. Easy to understand & operate. MYHMI

Advanced moisture sensors designed specifically for the professional dryers enabling high efficiency. No manual intervention required by the user. The PLC auto detects the moisture in the basket & gives cut-off signals to the heating mode aptly.

All types of dozing pumps are compatible with Stefab ST9, ST10, ST11 PLCs giving the user utmost flexibility to achieve great washing results. Our PLCs works in sync with dozing computer uninterrupted. Up-to six dozing pump systems can be installed to each machine.

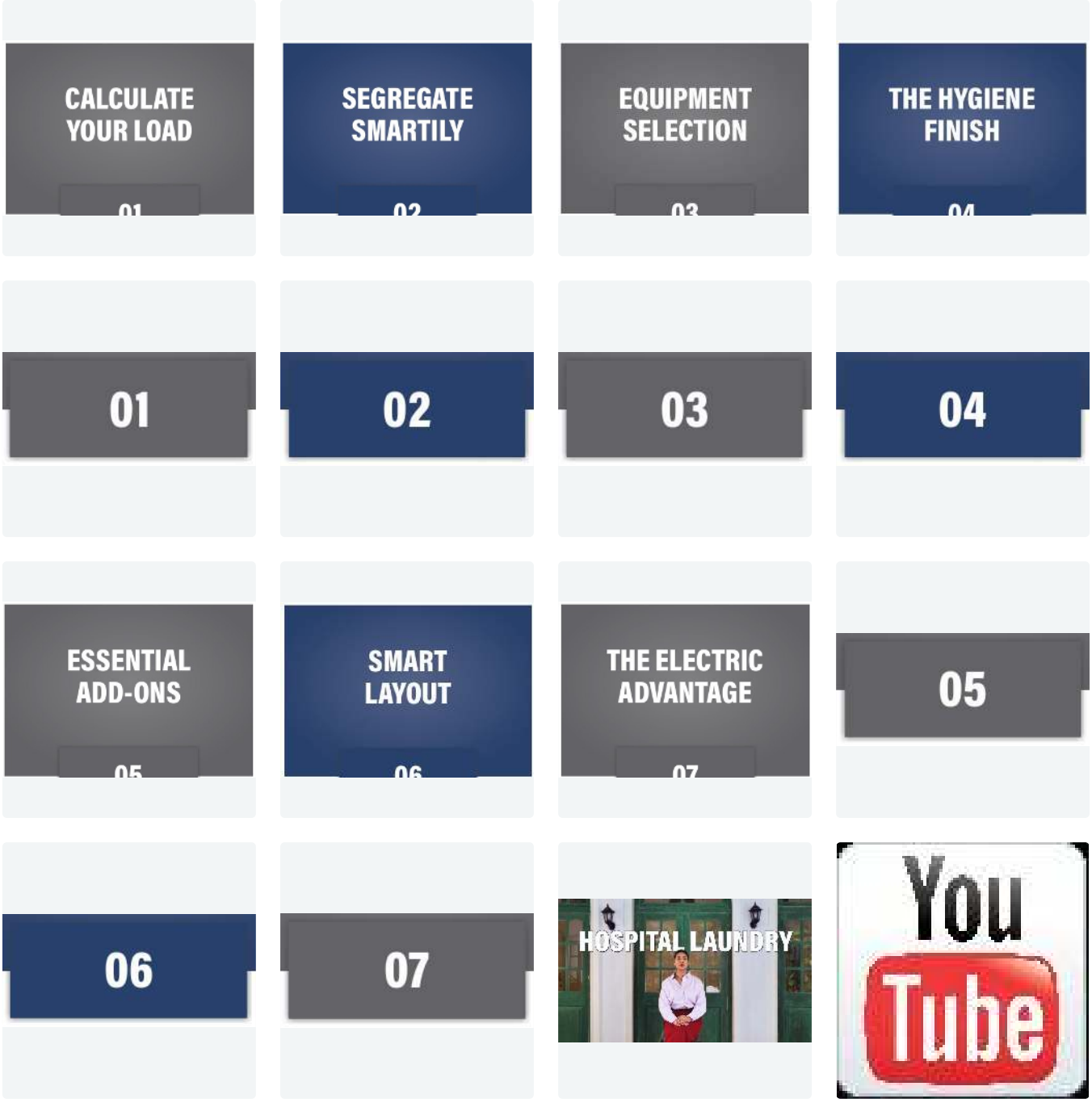
The four beater basket design in our AX Range results in maximum beating action & effective washes in shorter cycle time. The polished stainless steel beaters are designed with utmost precision then slid into the basket & laser welded.

2 Length Folds + 3 Cross Folds. 1st Primary fold through full vertical drop. 2nd Primary fold by converging rollers. 1st Cross fold by a "Blade fold" directing the linen between rollers, 2nd Cross fold by an air jet & 3rd Cross by automatic "Lift fingers" through reverse conveyor mechanism.

SECTION 17

The Hospital Laundry Guide

Designed to support healthcare facilities in maintaining strict hygiene, safety, and operational efficiency. This guide focuses on controlled segregation, compliant equipment selection, and unidirectional workflow planning. By aligning processes, hygiene finishing, and layout design, it ensures infection control, consistent linen quality, and reliable daily performance.



7 Step Blueprint

01 02 03 04

SMART LAYOUT

05 06 07

What this guide delivers!

• Safe segregation to prevent cross-contamination. • Compliance with hospital hygiene standards. • Reliable daily output and turnaround. • Reduced handling risks for staff. • Efficient, future-ready laundry operations.

A well-designed On-Premise hospital laundry is not just about cleanliness — it's about hygiene control, safety, and process discipline.

From a Blueprint to Real-World Performance!

This 7-step approach provides a structured framework for hospital laundry design, ensuring every process supports infection control, operational safety, and uninterrupted healthcare services.

Hospital Laundry Guide! A Video Walkthrough!

https://www.youtube.com/watch?v=P12Wf32Qc9I&t=6s Click the above link to watch the video or Scan the QR code to see how this 7 step blueprint works in real-world commercial laundry operations.

SECTION 18

Stefab Standard Hospital Laundry Systems.

The below list of systems can handle Hospital Laundry from 125 Kg to 10,000 Kg Per Shift.

HS 125 E	MECHANISED LAUNDRY HANDLING 125KG OF HOSPITAL LINEN IN 8 HRS.
HS 250 E	MECHANISED LAUNDRY HANDLING 250KG OF HOSPITAL LINEN IN 8 HRS.
HS 500 E	MECHANISED LAUNDRY HANDLING 500KG OF HOSPITAL LINEN IN 8 HRS.
HS 750 E	MECHANISED LAUNDRY HANDLING 750KG OF HOSPITAL LINEN IN 8 HRS.
HS 1000 E	MECHANISED LAUNDRY HANDLING 1000KG OF HOSPITAL LINEN IN 8 HRS.
HS 1500 E	MECHANISED LAUNDRY HANDLING 1500KG OF HOSPITAL LINEN IN 8 HRS.
HS 2000 E	MECHANISED LAUNDRY HANDLING 2000KG OF HOSPITAL LINEN IN 8 HRS.
HS 2500 E	MECHANISED LAUNDRY HANDLING 2500KG OF HOSPITAL LINEN IN 8 HRS.
HS 3000 E	MECHANISED LAUNDRY HANDLING 3000KG OF HOSPITAL LINEN IN 8 HRS.
HS 4000 S	MECHANISED LAUNDRY HANDLING 4000KG OF HOSPITAL LINEN IN 8 HRS.
HS 5000 S	MECHANISED LAUNDRY HANDLING 5000KG OF HOSPITAL LINEN IN 8 HRS.
HS 6000 S	MECHANISED LAUNDRY HANDLING 6000KG OF HOSPITAL LINEN IN 8 HRS.
HS 7000 S	MECHANISED LAUNDRY HANDLING 7000KG OF HOSPITAL LINEN IN 8 HRS.
HS 8000 S	MECHANISED LAUNDRY HANDLING 8000KG OF HOSPITAL LINEN IN 8 HRS.
HS 10000 S	MECHANISED LAUNDRY HANDLING 10000KG OF HOSPITAL LINEN IN 8 HRS.

SECTION 19

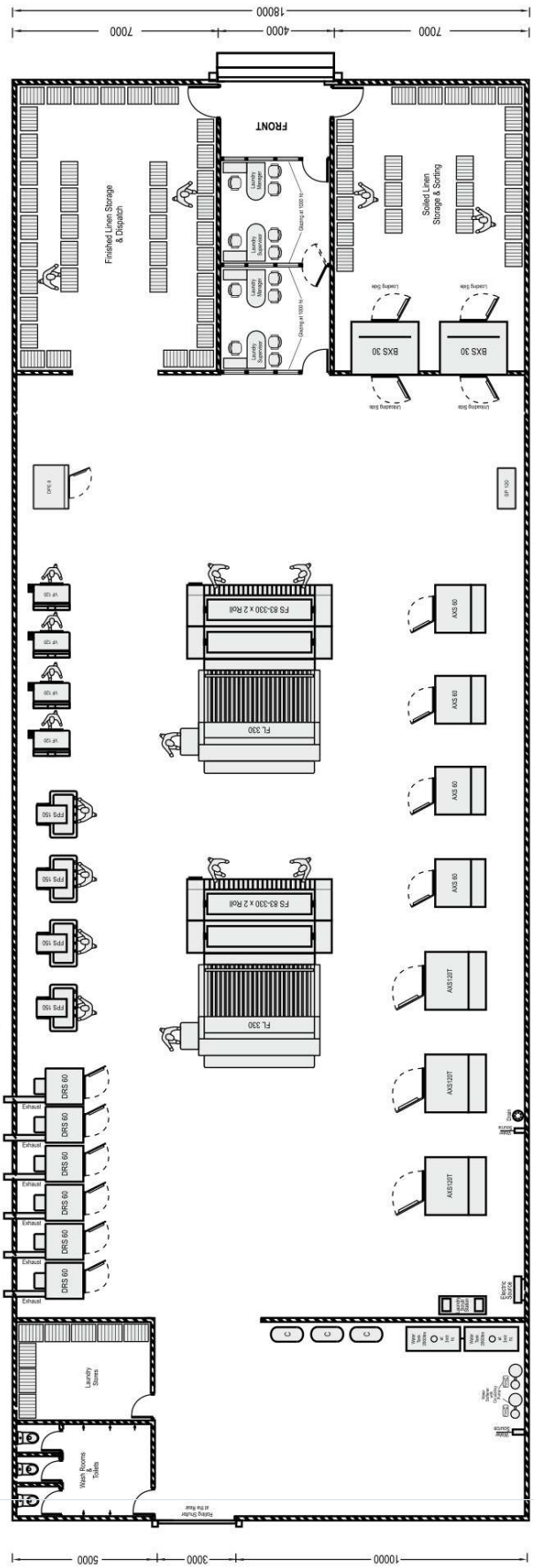
UTILITY COST SHEET & 2D LAYOUT

UTILITY COST SHEET & 2D LAYOUT

STEFAB

SYSTEM : HS 6000 S

MECHANIZED LAUNDRY HANDLING 6000KG OF HOSPITAL LINEN IN 8 HRS.



This is a Typical Layout that may be altered or modified to suit a particular requirement. Recommended Clear Height : 5 mtrs. All dimensions are in mm. Scale: 1 Square = 250mm approx.

OPERATIONAL ECONOMICS

S.No.	MODEL	MACHINERY	OUTPUT	UTILITY PARAMETERS DURING 2015 AT NEW DELHI
1	AXS 60	Stefab Washer Extractor, High Spin. Soft Mount. 60kg Cap. Qty: 4 Nos.	@60kg/cycle x 9 cycles x 4 Nos. 2160kg app./ 8 hrs.	The following economics are indicative only & shall drastically change with variations in costs of water, electricity, manpower, diesel, wash processes, detergents, location, packaging, distribution & transportation etc.
2	AXS 120	Stefab Washer Extractor, High Spin. Soft Mount. 120kg Cap. Qty: 3 Nos.	@120kg/cycle x 9 cycles x 3 Nos. 3240kg app./ 8 hrs.	**Electricity Requirement / Cost:** 572KW. Max Connected Load. 415 V, 3 Ph. Average Consumption: 300 Units / hr. @Rs.10 per unit/hr x 8 = Rs 24000/-
3	BXS 30	Stefab Infection Barrier Washer Extractor, High Spin. Soft Mount. 30kg Cap. Qty: 2 Nos.	@30kg/cycle x 9 cycles x 2 Nos. 540kg app./ 8 hrs.	**Diesel Requirement / Cost:** As per Diesel Fired Steam Boiler of 600 Kg per hour - 2 Qty.
4	DRS 60	Stefab Drying Tumbler. Reversible. 60kg Cap. Qty: 6 Nos.	@60kg/cycle x 9 cycles x 6 Nos. 2160kg app/8 hrs.	**Manpower:** Average 20 persons
5	FS 83-330	Stefab Flatwork Drying Ironer, Chest Heated. Size: Ø 830 x 3300 L Qty: 2 Nos.	@130kg/hr (Direct from Washers) x 2 Nos. 2080kg app./8 hrs.	**Detergent / Chemicals Cost:** Average @2% per kg of linen washed @Rs.125 per kg = Rs. 15000/-
6	FL 330	Stefab Bed Sheet Folder. 2 Length Fold + 3 Cross Fold. Qty : 2 Nos.	Individual Machine Output: Upto 50 Mts/ Min. From Given Flat-Work Ironers: = 130kg/hr x 2 Nos. 2080kg app./8 hrs.	**Water Requirement / Cost:** Ø 65 (2.5" BSP) line. Head range - 5 - 20 mtrs. @9000 ltrs / hr. Avg.
7	FPE 150	Stefab Flat Bed Drying Press. Head & Buck Size: 1500 x 750 Qty : 4 No.	@30kg/hr (Conditioned from Dryer) x 4 Nos. 480kg app./8 hrs.	The above costs are exclusive of establishment costs viz: land & building, cost of capital & working investments, depreciation, maintenance etc. & other administrative overheads.
8	VF 120	Stefab Vacuum Finishing Tables. Qty : 4 Nos. With Steam Irons.	@5kg/hr x 4 Nos. 80kg app./8 hrs.	DISCLAIMER : All the above information & data, are to be considered indicative only. Output also depends on the efficiency of the operators. No guarantee of its observance can be given.
9	C	Air Compressor 7.5 HP Qty: 2 Nos.	Sufficient for Presses, Flat Work Ironers & Folders.	

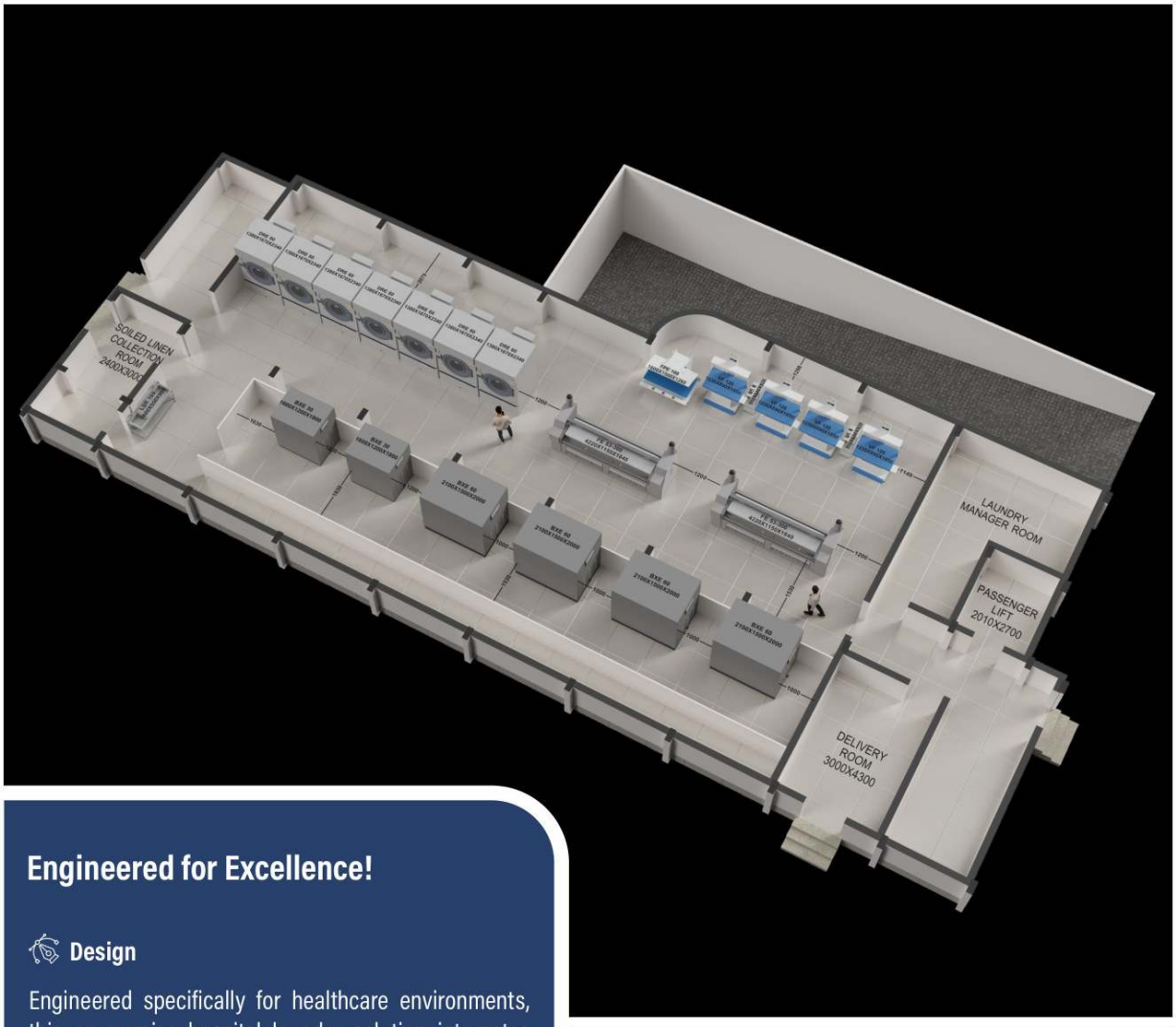
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The above costs are exclusive of establishment costs viz: land & building, cost of capital & working investments, depreciation, maintenance etc. & other administrative overheads.

SECTION 20

3D Layouts

3D Layouts



Engineered for Excellence!

Design

Engineered specifically for healthcare environments, this on-premise hospital laundry solution integrates precise engineering with a well-planned layout to support controlled, high-volume laundry operations.

Durability

Built with robust materials and advanced technology, the system is designed to perform reliably under demanding hospital workloads with consistent wash outcomes.

Experience

The result is a premium hospital laundry solution that supports critical operations, strengthens efficiency, and delivers long-term reliability.
It is built to perform consistently in demanding healthcare environments.



SYNCRO

Let’s build your laundry.

Talk to a Stefab laundry planner about your project. We will map the workflow, size the equipment and prepare a utility plan for your site.

CORPORATE OFFICE

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SALES

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Project planning & equipment selection

SERVICE

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SUPPORT

24/7 global service network
Genuine parts & technical support