



The Leading Fire and Smoke Curtains Manufacturer

Automatic Fire Curtains
Automatic Smoke Curtains

Fixed Fire Curtains
Fixed Smoke Curtains



Why

HBC ?

HBC is a trusted leading global supplier and manufactures the highest quality fire safety products. Our team is dedicated to improving fire safety through innovative solutions like gravity fail-safe Fire and Smoke curtains. These curtains add to fire safety measures, especially with their ability to automatically deploy and contain smoke and fire in an emergency. The fact that they inhibit the spread of fire throughout a building can provide crucial extra time for people to evacuate safely.



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Our curtains inhibit the spread of fire throughout a building and provide crucial extra time for people to evacuate safely. Our products undergo rigorous testing and adhere to high technical and quality standards such as EN 1634-1, EN 12101-1, EN 15269-11 & CE Certified by European notified bodies. Our passionate team is committed to ensuring our products' reliability and effectiveness.





HBC smoke and fire curtains offer simple, efficient, and cost-effective solutions for safeguarding occupants in large open buildings from the potential dangers posed by fire, smoke, and toxic gases produced in case of a fire emergency. These curtains are invaluable in maintaining safety and containing hazards within such spaces.



Smoke barriers must be unobtrusive and aesthetically neutral, underscoring their seamless integration within complex buildings. Maintenance of this aesthetic appeal and the functionality of a building is crucial while ensuring fire safety.



Our engineers use the latest CAD (Computer-Aided Design) and manufacturing technology to create bespoke smoke and fire curtain barriers. Our team has mastered adapting and customising our solutions to suit even the most intricate smoke control systems, regardless of building type or location.



The advanced features of our systems include emergency retract, obstruction sensors, and audio/visual warnings, which indicate a comprehensive approach to fire safety. These features enhance the system's functionality and contribute to efficient emergency response and evacuation procedures.



HBC smoke and fire curtains are a well-designed and comprehensive solution for addressing fire and smoke hazards in large open buildings. The emphasis on adaptability, aesthetics, low maintenance, and advanced features collectively showcase a commitment to safety and customer experience.



HBC Fire Curtains offers a solution that combines fire safety and architectural flexibility. Fire curtains are fire-resistant barriers designed to deploy in the event of a fire, creating a partition and preventing the spread of flames, smoke, and heat. This partition creates a protected means of escape for building occupants and also compartmentalizes the fire to limit its impact on the structure and its occupants.

Most Advanced Manufacturing Facility

World- Class Multi-Axis Punching Machine

- Imported from Italy
- High precision accuracy of 0.05mm
- Can punch up to 8mm thickness
- Automatic loading and unloading
- CAD-CAM Technology built-in



World Class Multi-Axis Bending Machine

- Imported from Italy
- High precision accuracy of $\pm 0.05^\circ$
- Can bend up to 12mm thickness
- Capable of complex profile bending
- Simulation Technology built-in



World's longest Automatic Sewing Machine

- Imported from Italy
- Capable of stitching up to 25M in length automatically
- Neat and Straight stitching
- Can handle stainless steel threads
- Incorporate latest Technology
- Dual needle stitching



Fire and Smoke Curtains Applications



Fire Door Replacement

HBC fire curtain solution offers a versatile and effective approach to fire safety and containment within buildings. A noteworthy advantage of our curtains is that they are built to provide the perfect alternative to traditional fire-rated partitions while maintaining the same levels of security. Our design approach aligns well with modern architectural trends emphasising open spaces and design flexibility.



Fire Compartmentation

The primary purpose of fire curtains is to form a compartment and to act as a physical barrier that prevents the spread of fire, heat, and smoke between different areas of a building. This containment helps protect occupants, property, and the overall structure during a fire emergency. Fire curtains are designed to withstand high temperatures and prevent heat flux transfer that could otherwise ignite materials on either side of the compartment.



Restaurant

Fire and Smoke curtains are required in restaurants, mainly where there is a kitchen counter. The curtain automatically drops in case of fire/smoke, preventing the spread of fire/smoke and minimising damage.

Fire and Smoke Curtains Applications



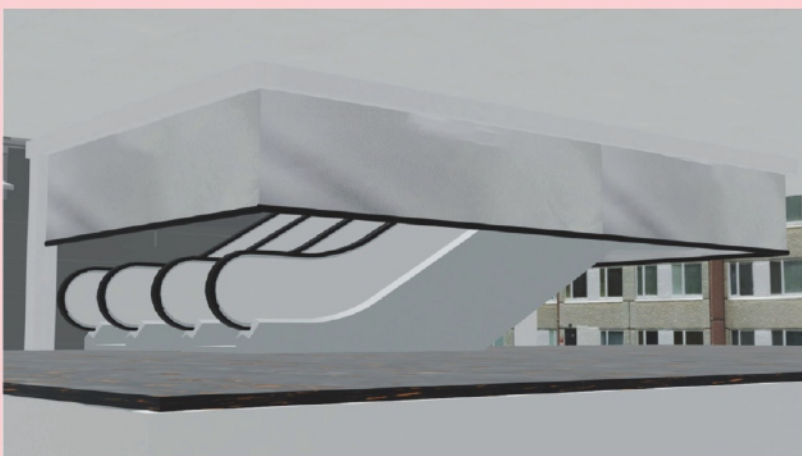
Lift Doors

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Lift Lobbies

Using smoke and fire-rated curtains to create a protected lobby in front of a bank of elevator doors is an innovative solution that offers both fire safety and architectural flexibility. This approach can replace the need for constructing a physical smoke and fire-rated partition.



Escalators & Internal Stairs

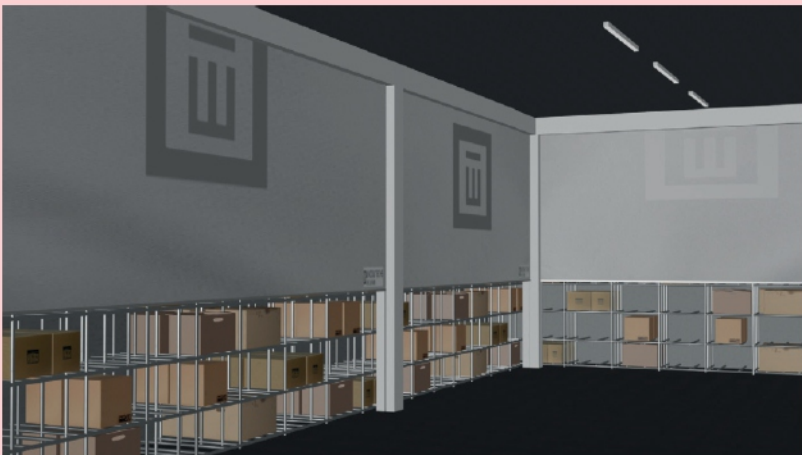
Smoke curtains can be used around the lower level to create a deep reservoir to prevent smoke from migrating to the upper levels. Fire curtains can be used to seal off the stairwell completely if required. Intelligent control systems linked to the escalator operation can be provided to maintain adequate means of escape.

Fire and Smoke Curtains Applications



Smoke Compartmentation

Smoke compartments are designed to prevent the spread of smoke throughout a building, especially during a fire emergency. They limit the movement of smoke, a significant hazard to occupants' health and can hinder evacuation efforts. Effective smoke compartmentation is essential for creating safe and navigable escape routes, allowing occupants to evacuate while minimizing smoke inhalation.



Smoke Channelling

Designing smoke channels with proper consideration for large extraction units is crucial for an effective smoke control strategy. Smoke channels are pathways designed to manage the movement of smoke during a fire emergency, guiding it towards extraction units to improve evacuation routes and maintain safe conditions within a building.

FIRE CURTAIN

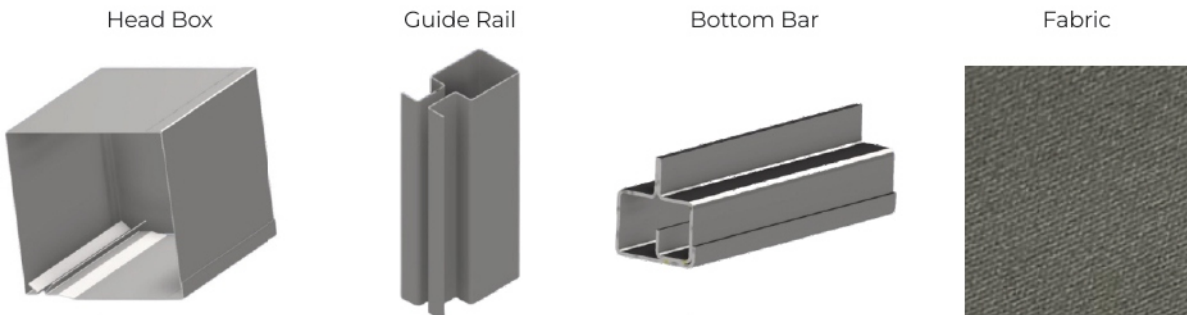
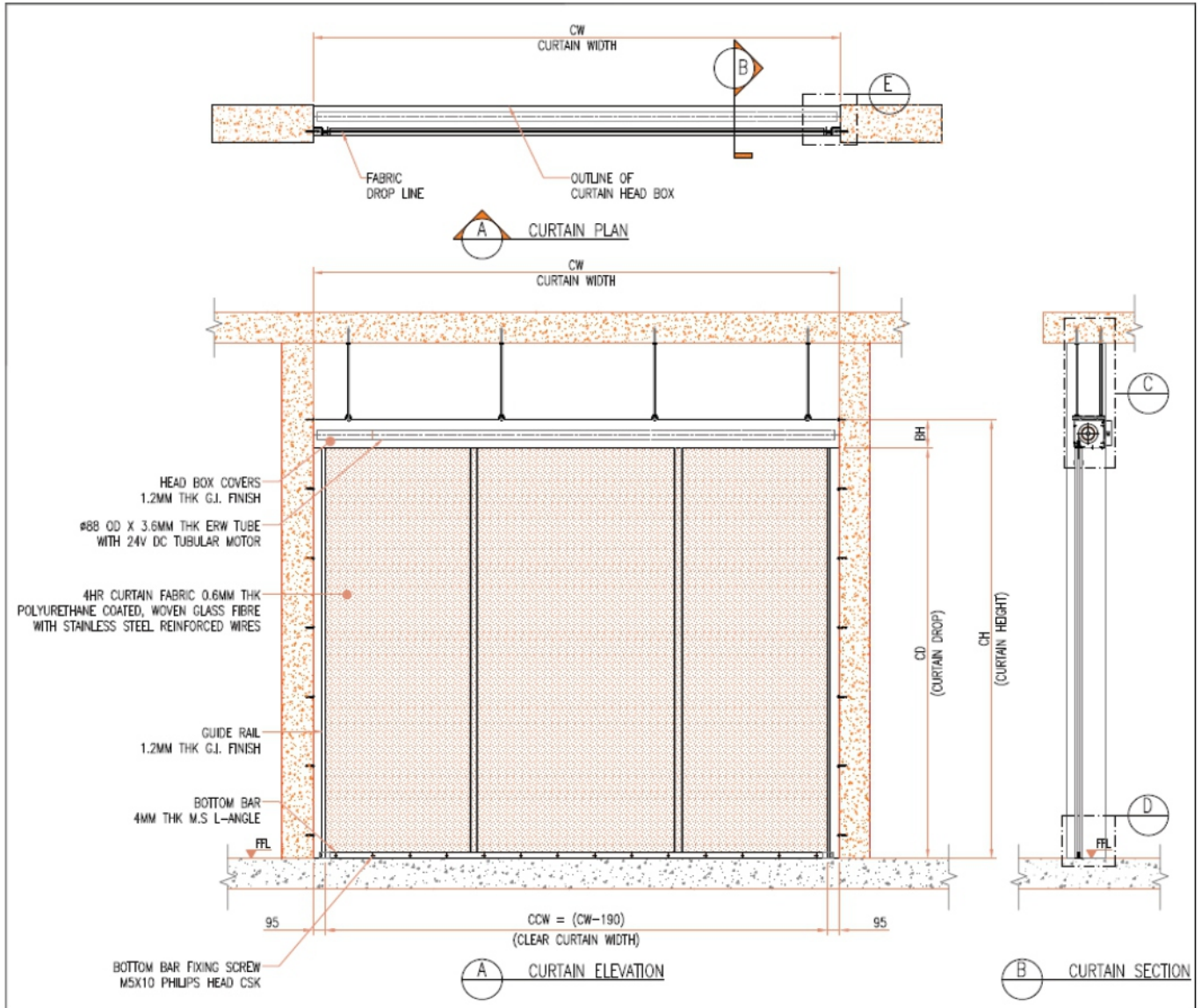
Model	Max Width (M)	Max Drop (M)	Fire Resistance (Minutes)		Test Standard
			Integrity (E)	Irradiance (W)	
WFC-01	6	25	240	30	EN 1634-1
WFC-02	UNLIMITED	25	240	30	EN 1634-1
WFC-03	UNLIMITED	UNLIMITED	240	30	EN 1634-1

SMOKE CURTAIN

Model	Max Width (M)	Max Drop (M)	Classification	Test Standard
WSC-01	6	25	D120	EN 1634-1
WSC-02	UNLIMITED	25	D120	EN 1634-1
WSC-03	UNLIMITED	UNLIMITED	D120	EN 1634-1

Fire and Smoke Curtains Applications

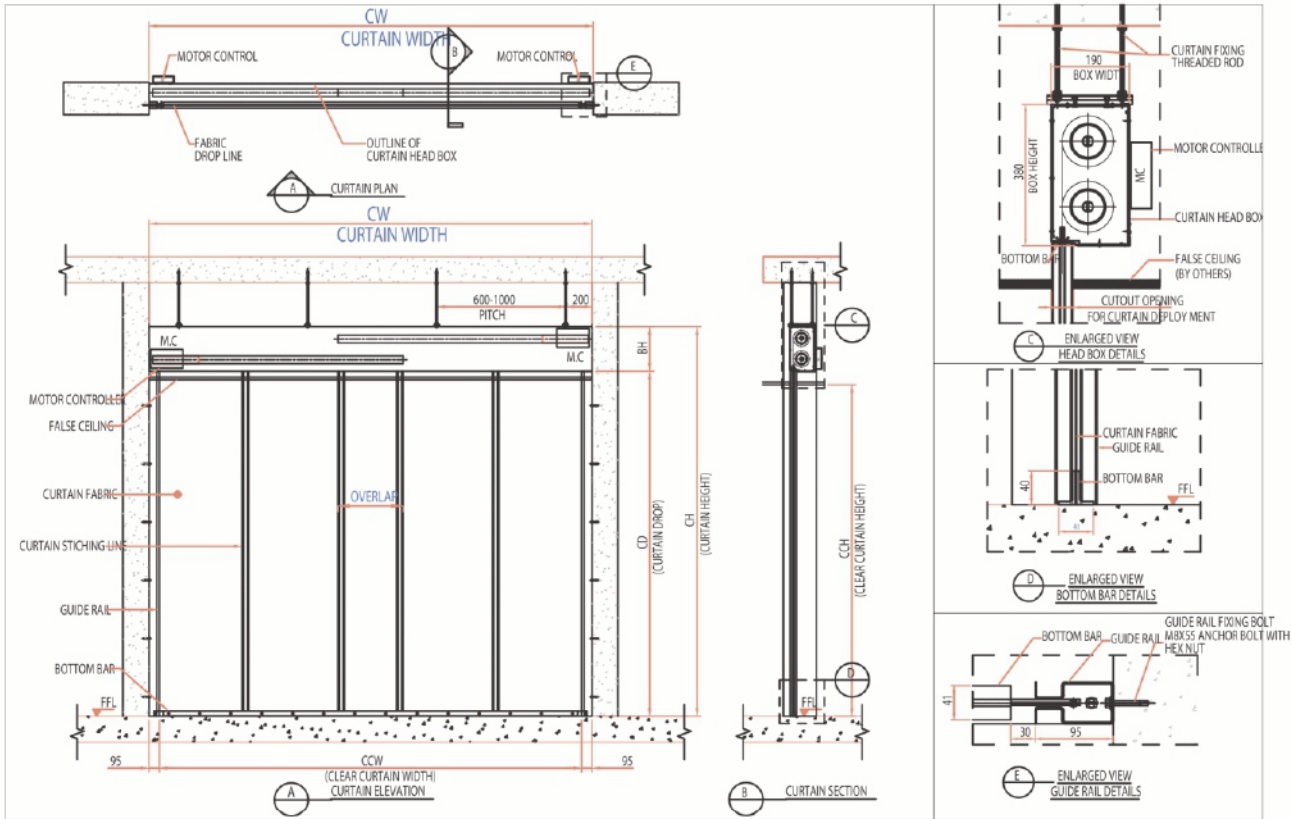
GENERAL ASSEMBLY DRAWING OF A SINGLE BARREL FIRE CURTAIN



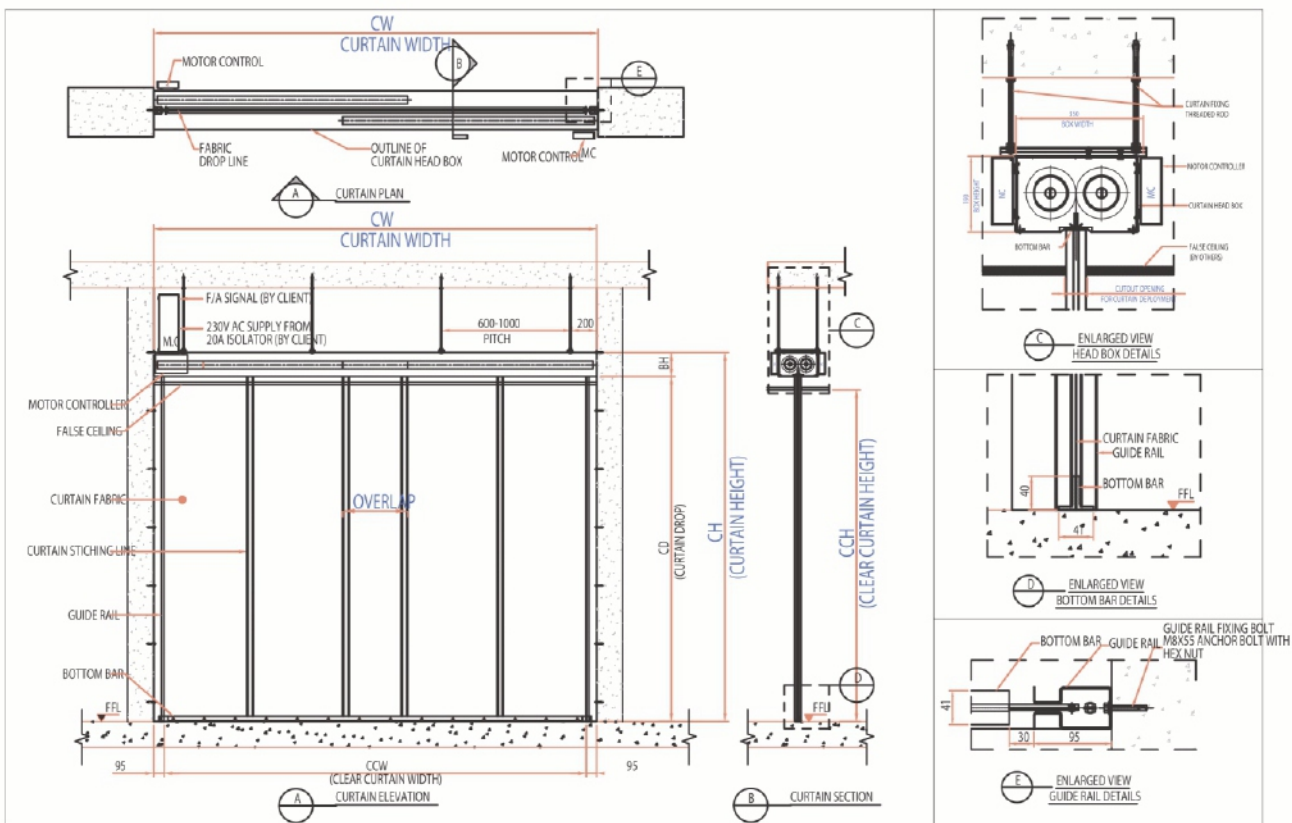
Material: - Galvanized Steel
Finish: - G.I (or) Powder Coated

Material: - Glass fabric with reinforced ss wire
Finish: - Aluminium pigmented PU Coating

GENERAL ASSEMBLY DRAWING FOR FIRE CURTAIN MULTI ROLLER ARRANGEMENT WITH UP & DOWN ORIENTATION



GENERAL ASSEMBLY DRAWING FOR FIRE CURTAIN MULTI ROLLER ARRANGEMENT WITH SIDE BY SIDE ORIENTATION



Making Prominent Places More Safe

BHARAT MANDAPAM



Bharath Mandapam is a ground scraper-type building that functions as an International Exhibition-cum-Convention Centre (IECC) within the India Trade Promotion Organisation (ITPO) complex, located at Pragati Maidan, New Delhi, India. This iconic venue played host to the esteemed G20 summit.

HBC takes great pride in its pivotal role, enhancing the venue's safety and grandeur with cutting-edge fire curtains.

What truly sets this endeavour apart is its monumental scale. HBC has successfully installed the most extensive curtain ever witnessed, stretching an astounding 100 meters in width and soaring to a towering 20-meter height.

IICC, DWARKA (YASHOBHOOMI)



HBC fire curtains proudly safeguard IICC Dwarka, also affectionately known as Yashobhoomi.

Our installations across this project have played a vital role in ensuring people's safety. These fire curtains, standing tall and resolute, protect all stakeholders.

Notably, HBC has achieved a remarkable feat with the installation of the largest curtain, spanning an impressive 100 meters in width and rising to a height of 20 meters.

WALMART



HBC fire curtains were initially installed at Walmart, Vijayawada.

Our exceptional service and top-notch quality quickly earned Walmart's trust, leading to an expansion of our partnership into projects at Walmart - Kurnool and Guntur.

We've met and exceeded expectations, turning each project into a resounding success.

HYDERABAD AIRPORT



HBC fire curtains are installed at the Rajiv Gandhi International Airport, Hyderabad.

We have installed close to 60 curtains, where HBC has contributed to the safety of passengers globally.

Service and Maintenance

Why service is required?

This is a crucial aspect of ensuring the reliability and effectiveness of these systems, regular maintenance helps identify and address any potential issues that could compromise the functionality of the curtains during an emergency.

How Often Do I Need to Service?

We offer a one-year free support from the date of installation. We also recommend our clients to service the fire curtains every quarterly or take an AMC contract for immediate service.

HBC Support

HBC provides servicing for all our Fire curtains to our customers. We provide Annual Maintenance Contract (AMC) and Comprehensive Annual Maintenance Contract (CAMC). The servicing under these packages will be done quarterly.

FEW OF OUR CLIENTS

Eros Group	ICICI
Ircon International	Suntek
Prestige Group	Hiranandani
Sai Chakra	Prestige Group
Supreme Court A Block	Hyderabad Airport phase-1
Cinepoch	IICC Dwarka
NCAER	Ecolab Phase-2
Crown Plaza Hotel	IBM
Kosha Computers	Hyundai
ITPO	Hyderabad Airport phase-2
Jhonsen Control(TYCO)	JP Hospital-Phase-2
Precision System Control	Google Kyoto
Walmart	Litens Automotive
HSBC	DLF
Societe Generale	Accenture
Infosys	Bosch
KPMG Phase-2	Qualcomm
Walmart	Google Kyoto West
Hub-Town	Philips
Bhartiya City	Feather Lite
JP Hospital-Phase-1	Delta Pleasure Cruise Company



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