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UNITY & LIBERTY: WORLD FAMOUS FREE STANDING REALISTIC SCULPTUTE

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ABSTRACT

A statue is a free-standing sculpture in which the realistic, full-length figures of persons or animals are carved or cast in a durable material such as wood, metal, glass, marble, or stone. Typical statues are life-sized or close to life-size. A sculpture that represents persons or animals in full figure, but that is small enough to lift and carry is a statuette or figurine, whilst those that are more than twice life-size are regarded as colossal statues. Liberty is the state of being free within society from restrictions imposed by authority on one's way of life, behaviour, or political views. The concept of liberty can vary depending on perspective and context. The Statue of Unity in India is the tallest statue in the world at 182 meters (597 feet), making it nearly twice the height of the Statue of Liberty in New York, which stands at 93 meters (305 feet) including its pedestal.

KEYWORDS: Statue of liberty, Statue of unity.

INTRODUCTION

• Height:

• Statue of Unity: 182 meters (597 feet) for the figure alone; 240 meters (790 feet) total if including the base.

• Statue of Liberty: 46 meters (152 feet) for the statue itself, or 93 meters (305 feet) including the pedestal.

• Subject & Meaning:

• Statue of Unity: Honours Sardar Vallabhbhai Patel, the first Deputy Prime Minister and Home Minister of India, symbolizing national unity and political integration. The project was first announced in 2010 by Narendra Modi, then Chief Minister of Gujarat, and construction started in October 2013 by Indian company Larsen & Toubro, with a total construction cost of ₹27 billion (US$422 million). It was designed by Indian sculptor Ram V. Sutar and was inaugurated by Modi, then Prime Minister of India, on 31 October 2018, on what would have been Patel's 143rd birthday.

• Statue of Liberty: Represents the Roman goddess Liberates and stands as a universal symbol of freedom and democracy, given as a gift from France to the United States.



Figure-1: Statue of Unity & Statue of Liberty.

• **Location**

• **Statue of Unity:** Located near the Sardar Sarovar Dam on the Narmada River in Gujarat, India. The Statue of Unity is the world's tallest statue, with a height of 182 metres (597 feet), located in Narmada valley, near Kevadia in the state of Gujarat, India. It depicts Indian politician and independence activist Sardar Patel (1875–1950), who was the first deputy prime minister and home minister of independent India. Patel played a significant role in the political integration of India. The statue is on the Narmada River in the Kevadiya colony, facing the Sardar Sarovar Dam, 100 kilometres (62 miles) southeast of the city of Vadodara.

• **Statue of Liberty:** Located on Liberty Island in New York Harbour, United States.

• **Construction & Timeline:**

• **Statue of Unity:** Designed by **Ram V. Sutar** from Mumbai [19 February 1925 – 18 December 2025], built with a steel framing, concrete core, and bronze cladding, and completed in a fast-tracked 33 months (inaugurated October 31, 2018).

• **Statue of Liberty:** Designed by French sculptor **Frédéric Auguste Bartholdi** [2 August 1834 – 4 October 1904] and built with an iron framework and copper exterior by Gustave Eiffel, taking nearly 10 years to complete (inaugurated October 28, 1886). The Statue of Liberty (Liberty Enlightening the World, French: La Liberté éclairant le monde) is a colossal neoclassical sculpture of a robed and crowned woman located on Liberty Island, part of New York City, in New York Harbor. The copper-clad statue, a gift to the United States from the people of France, was designed by French sculptor Frédéric Auguste Bartholdi, and its metal framework built by Gustave Eiffel. The statue was dedicated on October 28, 1886. Alexandre Gustave Eiffel (15 December 1832 – 27 December 1923) was a French civil engineer. A graduate of École Centrale des Arts et Métiers, he made his name with various bridges for the French railway network, most famously the Garabit Viaduct. He is best known for the Eiffel Tower, designed by his company and built for the 1889 Universal Exposition in Paris, and his contribution to building the Statue of Liberty (Liberty Enlightening the World) in New York. After his retirement from engineering, Eiffel focused on research into meteorology and aerodynamics, making significant contributions in both fields.

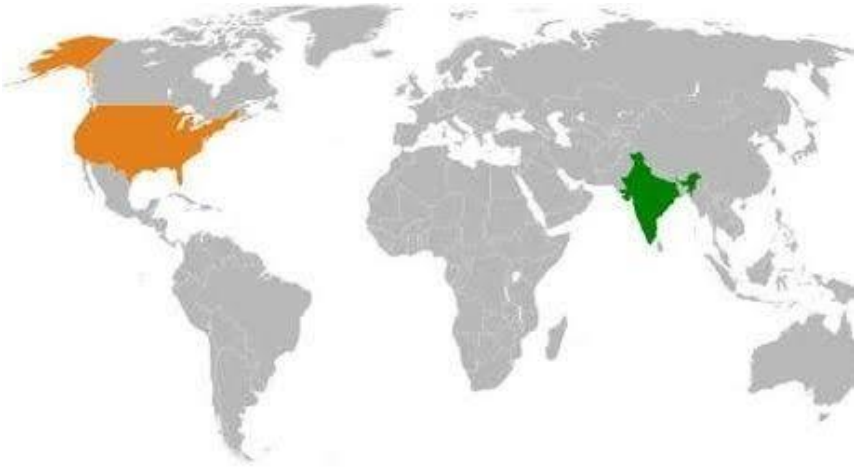

Figure-2: India & USA.

The Statue of Unity is the world's tallest statue, with a height of 182 metres (597 feet), located in Narmada valley, near Kevadia in the state of Gujarat, India. It depicts Indian politician and independence activist Sardar Patel (1875–1950), who was the first deputy prime minister and home minister of independent India. Patel played a significant role in the political integration of India. The statue is on the Narmada River in the Kevadiya colony, facing the Sardar Sarovar Dam, 100 kilometres (62 miles) southeast of the city of Vadodara.

The Statue of Unity Dimensions: The Statue of Unity in Gujarat, India, is 182 metres (597 feet) tall, making it the tallest statue in the world.

- **Scale comparison:** It is nearly twice as tall as the Statue of Liberty (93 metres) and more than four times as tall as Christ the Redeemer (38 metres).
- **Viewing gallery:** Visitors can take an elevator up to a viewing gallery inside the statue's chest at 153 metres.
- **Materials:** Built with a structural steel frame, reinforced concrete, and bronze cladding.

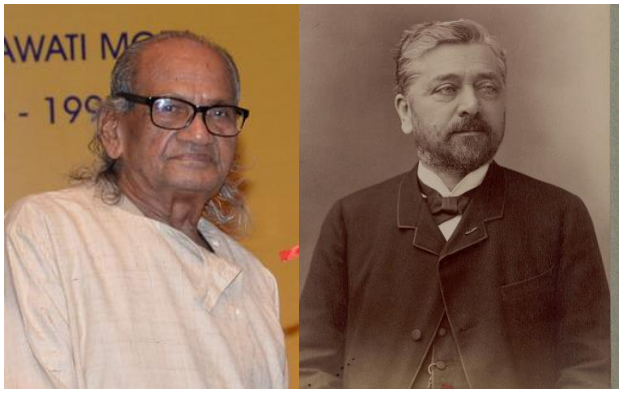

Figure-3: Ram V. Sutar & Frédéric Auguste Bartholdi.

The Statue of Liberty (Liberty Enlightening the World, French: **La Liberté éclairant le monde**) is a colossal neoclassical sculpture of a robed and crowned woman located on Liberty Island, part of New York City, in New York Harbor. The copper-clad statue, a gift to the United States from the people of France, was designed by French sculptor Frédéric Auguste Bartholdi, and its metal framework built by Gustave Eiffel. The statue was dedicated on October 28, 1886. The crown of the Statue of Liberty features seven spikes symbolizing the seven seas and seven continents, along with 25 windows. The Statue of Liberty has 25 windows located inside its crown, overlooking New York Harbor.

- **Views:** They offer panoramic views of New York Harbor, the Manhattan skyline, Brooklyn, Governors Island, and the Verrazzano Bridge.
- **Symbolism:** Popular lore often says the 25 windows represent 25 Earth gemstones. However, opinions on Quora are mixed—some users view them as symbolizing gemstones, while others note they serve a practical architectural purpose for light and viewing rather than carrying official symbolism.
- **Visiting the Crown:** Reaching the crown requires climbing 354 steps from the ground (with no elevator to the top) and booking special crown tickets well in advance through.



Figure-4: Statue of Liberty Inside stairs, Crown with 7 spike and Head of Statue

Symbolism & Design

• **Seven Spikes:** Represent the seven continents and seven oceans. [the Arctic Ocean, the North Atlantic Ocean, the South Atlantic Ocean, the Indian Ocean, the North Pacific Ocean, the South Pacific Ocean, the Southern (or Antarctic) Ocean]

• **25 Windows:** Symbolize gemstones found on Earth and heaven's rays shining over the world.

Statue of Liberty Dimensions

Table-1: Dimension of Statue of Liberty

Feature	Imperial	Metric	Feature	Imperial	Metric
Height of copper statue	151 ft	46 m	**Head thickness from ear to ear**	10 ft 0 in	3.05 m
Foundation of pedestal (ground level) to tip of torch	305 ft 1 in	93 m	**Distance across the eye**	6 in	0.76 m
Heel to top of head	111 ft 1 in	34 m	**Length of nose**	4 ft 6 in	1.48 m
Height of hand	16 ft 5 in	5 m	**Right arm length**	42 ft 0 in	12.8 m
Index finger	8 ft 1 in	2.44 m	**Right arm greatest thickness**	12 ft 0 in	3.66 m
Circumference at second joint	3 ft 6 in	1.07 m	**Thickness of waist**	35 ft 0 in	10.67 m
Head from chin to cranium	17 ft 3 in	5.26 m	**Width of mouth**	3 ft 0 in	0.91 m
Tablet, length	23 ft 7 in	7.19 m	**Tablet, width**	13 ft 7 in	4.14 m
Tablet, thickness	2 ft 0 in	0.61 m	**Height of pedestal**	89 ft 0 in	27.13 m
Height of foundation	65 ft 0 in	19.81 m	**Weight of copper used in statue**	60,000 lb (27 long tons)	27.22 tonnes
Weight of steel used in statue	250,000 lb (110 long tons)	113.4 tonnes	**Total weight of statue**	450,000 lb (200 long tons)	204.1 tonnes
Thickness of copper sheeting	3/32 of an inch	2.4 mm			

CONCLUSION

The Statue of Unity is the world's tallest statue, with a height of 182 metres (597 feet), located in Narmada valley, near Kevadia in the state of Gujarat, India. It depicts Indian politician and independence activist Sardar Patel (1875–1950), who was the first deputy prime minister and home minister of independent India. Patel played a significant role in the political integration of India. The statue is on the Narmada River in the Kevadiya colony, facing the Sardar Sarovar Dam, 100 kilometres (62 miles) southeast of the city of Vadodara. The project was first announced in 2010 by Narendra Modi, then Chief Minister of Gujarat, and construction started in October 2013 by Indian company Larsen & Toubro, with a total construction cost of ₹27 billion (US$422 million) It was designed by Indian sculptor Ram V. Sutar and was inaugurated by Modi, then Prime Minister of India, on 31 October 2018, on what would have been Patel's 143rd birthday. The Statue of Liberty (Liberty Enlightening the World, French: La Liberté éclairant le monde) is a colossal neoclassical sculpture of a robed and crowned woman located on Liberty Island, part of New York City, in New York Harbor. The copper-clad statue, a gift to the United States from the people of France, was designed by French sculptor Frédéric Auguste Bartholdi, and its metal framework built by Gustave Eiffel. The statue was dedicated on October 28, 1886. Sometimes nicknamed Lady Liberty, the statue is a figure of a classically draped woman,[9] inspired by the Roman goddess of liberty, Libertas. She holds a torch above her head with her right hand, and in her left hand carries a tabula ansata inscribed JULY IV MDCCLXXVI (July 4, 1776, in Roman numerals), the date of the U.S. Declaration of Independence. With her left foot she steps on a broken chain and shackle, commemorating the national abolition of slavery following the American Civil War.

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