



Meaning of elements

- 1. Unity in Diversity: Here is the Harmony and Integrity among people of different religious backgrounds, cultures, and languages. In a similar way to Ashoka Chakra's 24 spokes, we have 24 tubes defining our independence and laying the foundation for our nation's growth.
- 2. Gender Equality: We envision an India where every gender is equal and has their own opportunities, not just for men and women.
- 3. Gear: From independence to the future, the spur gear represents technology and innovation.
- 4. Diamond: A diamond-shaped White Sapphire represents 75 years of independence, growth, and hope for the bright future.

Materials

- 1. YST355 Circular Hollow Section used for Pattern Arrangement.
- 2. Bronze used for Citizen Statue with Gear.
- 3. White Sapphire represents the diamond.



# NOTIONS of INDIA

SHAPING A BILLION DREAMS

Theme: **Azadi Ka Amrit Mahotsav**



Non-Violence



Strength



Unity



Diversity



बोनों वेदर लेबर



Secular Country



Indian Arm Forces  
(Army, Navy, Air Force)



Technology- Future of India



सत्यमेव जयते



Indian Culture



Innovations



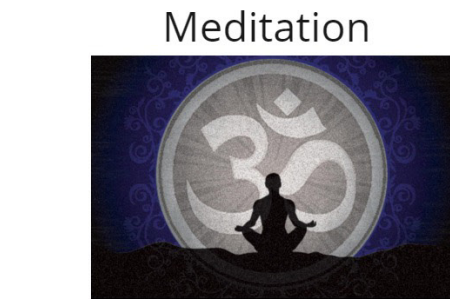
Heritage



Agriculture



Education



Meditation

Healthcare & Medicine



Pradhan Mantri Jan Arogya Yojana  
Free COVID-19 Testing  
National Rural Health Mission  
National Urban Health Mission

Initiatives

4 Vedas: Rigveda, Yajurveda, Samaveda & Atharvaveda  
Indian philosophy, traditions & Goal is Moksha  
Yoga practices: physical, mental & spiritual

Vedas, Yoga

Focused on 25 sectors with opportunities, policies & Ease of Doing Business  
To facilitate investment, foster innovation, enhance skill development, protect intellectual property & build manufacturing infrastructure  
Digital India, Smart Cities, Swachh Bharat Abhiyan, Smart city

Make in India

Oldest university in world- Takshasila, Nalanda  
Lotus symbol's analogy: "Seeing" Students' Growth  
Extracurricular activities- sports, arts, National Service Scheme, National Cadet Corps, The Bharat Scouts and Guides

Education

Green Revolution (Seed-water-fertilizers), White Revolution (Milk)  
Other revolutions- Yellow (oil seeds), Golden (horticulture-honey), Blue (fisheries), Ambrosia (connecting rivers)  
Countries like UAE invest in agriculture sector as a food security base

Agriculture Revolutions

Taj Mahal, Ajanta Caves, Sun Temple, Chhatrapati Shivaji Terminus, Khajuraho monuments, Sundarbans National Park, Jaipur, Nalanda Mahavihara site & So on

World Heritage Sites (Total 38)

World class education with literacy rate of 95%  
100% electrified & power surplus country  
Third most powerful country in the world after US, China  
Improve on energy & waste management; Work on smart & sustainable cities

2050

Map of India will change with more states & regions included  
Technology will be more advanced & efficient

22nd century

Shivaji Maharaj (Founder of Maratha Empire, one of the greatest warriors in India)  
Rani of Jhansi (First women freedom fighter)  
Mahatma Gandhi (Father of India)  
Sardar Vallabhbhai Patel (Iron Man of India)

Freedom Fighters

Dandi March, Indian Rebellion of 1857, Jallianwala Bagh Genocide, Dandi March, Quit India Movement

Freedom Struggles & Movements

Dr. A. P. J. Abdul Kalam (Missile man of India)  
Dr. B. R. Ambedkar (No. 1 world-class scholar & Father of Republic of India)  
J.R.D Tata (Indian pioneer industrialist- Tata Group)

Greatest Indians

Many other such as Mother Teresa, Atal Bihari Vajpayee, Sachin Tendulkar

Hard work, resilience & positive atti

Revolutionist, long visionary attitu

Collaborative Leadership

Largest Constitution in the World

World's largest youth population

Sovereign, Socialist, Secular, Democratic, Republic with a Parliamentary form of government

Improvements

4th worldwide in Commonwealth Games (503 medals- out of which 181 Gold till the date)

Space Mission e.g. India's Mars mission budget \$73 million compared to NASA's \$671 million (< 10 times cheaper)

World's biggest producer & consumer of mangoes (~40% of world's cap)

World's largest film industry

22 main languages (~447 native); 5 major religions; differences in physical attributes, traditions, castes, creed & so... Still living with harmony

Unity in Diversity

Motto- 'Satyameva Jayate' or 'Truth Alone Triumphs'

Helping other countries when needed

Atithi Devo Bhava' or 'Guest is equivalent to God'

'Vande Mataram' or 'I praise to thee, Mother'

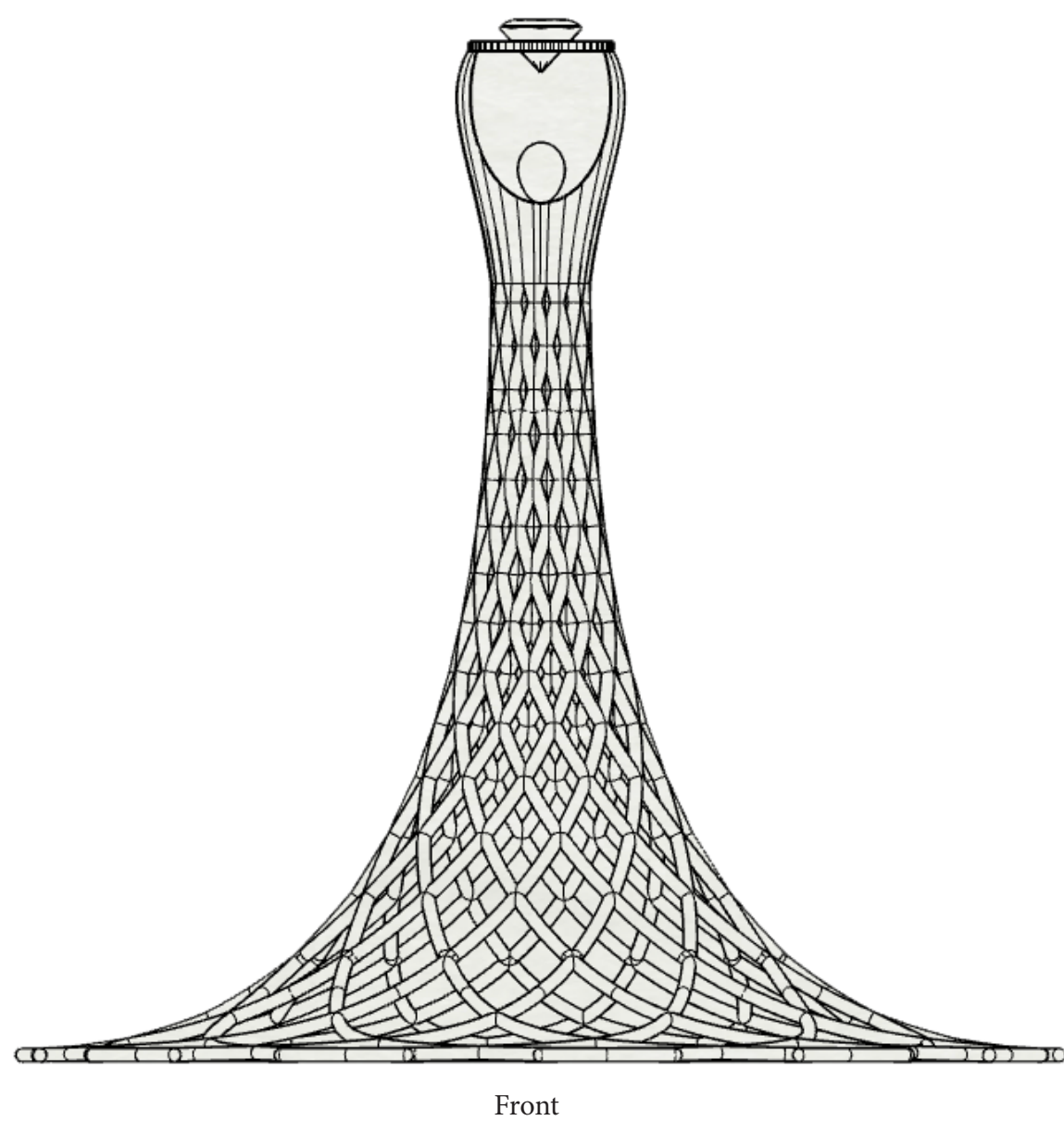
Spirit of freedom struggle, devotion, dream of shaping India, traditional & modern India to the world

5 pillars- Freedom struggles, Ideas, Achievements, Actions, Resolve at 75th

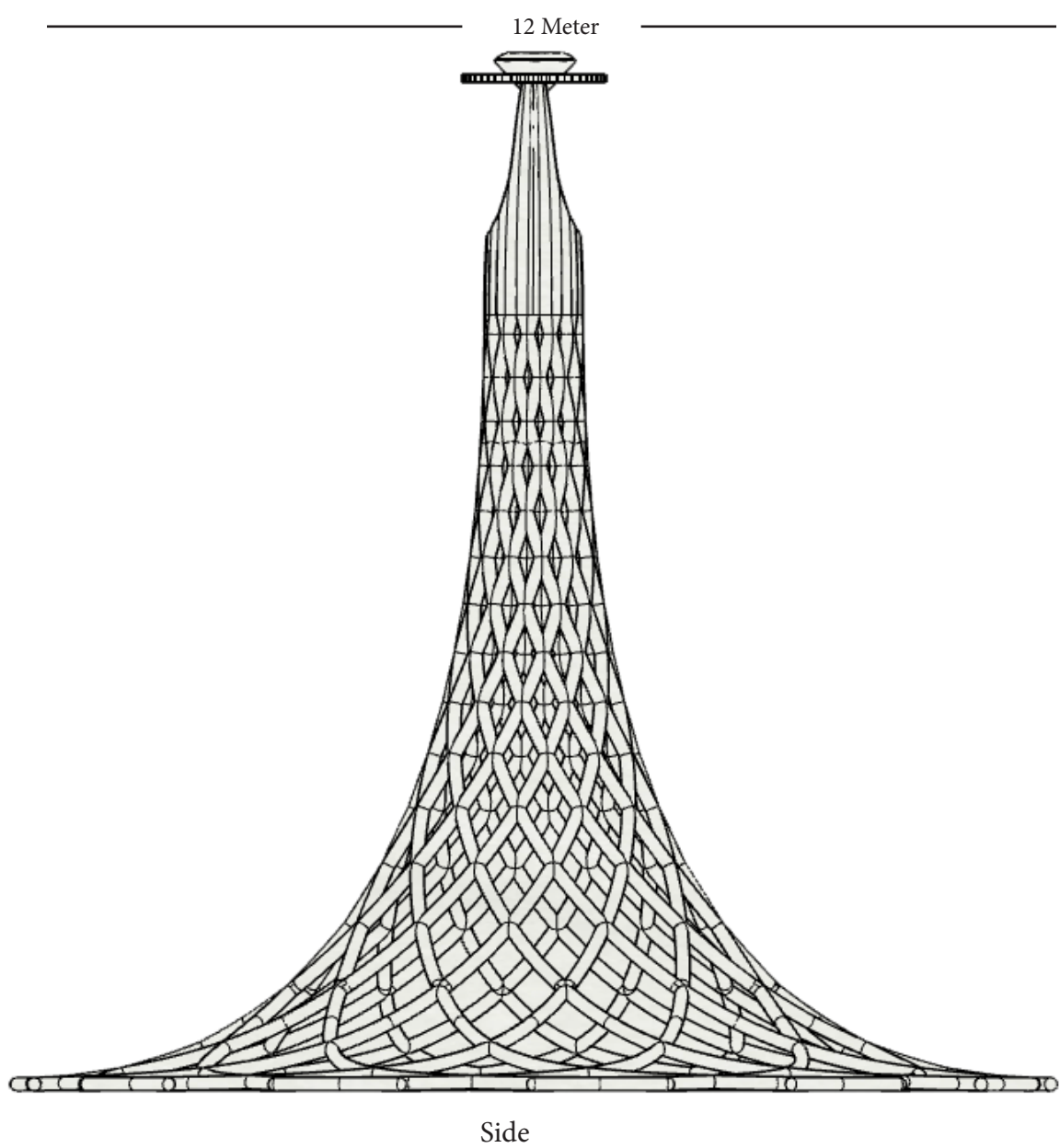
Motivation of all citizens to achieve goals that now seem impossible for next 25 years till 2047

India's 75th Independence (15th August 2022)

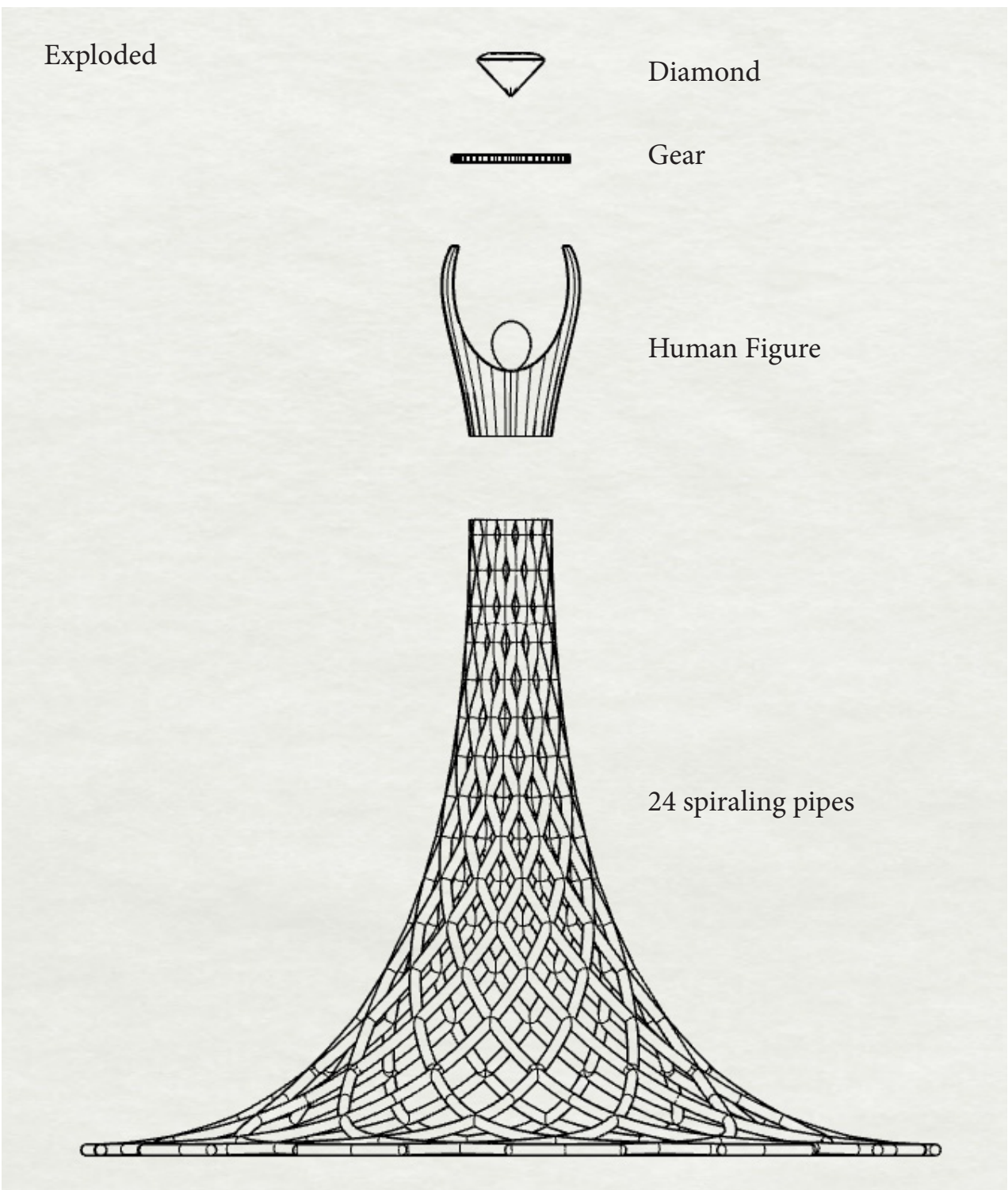
Geometric Views



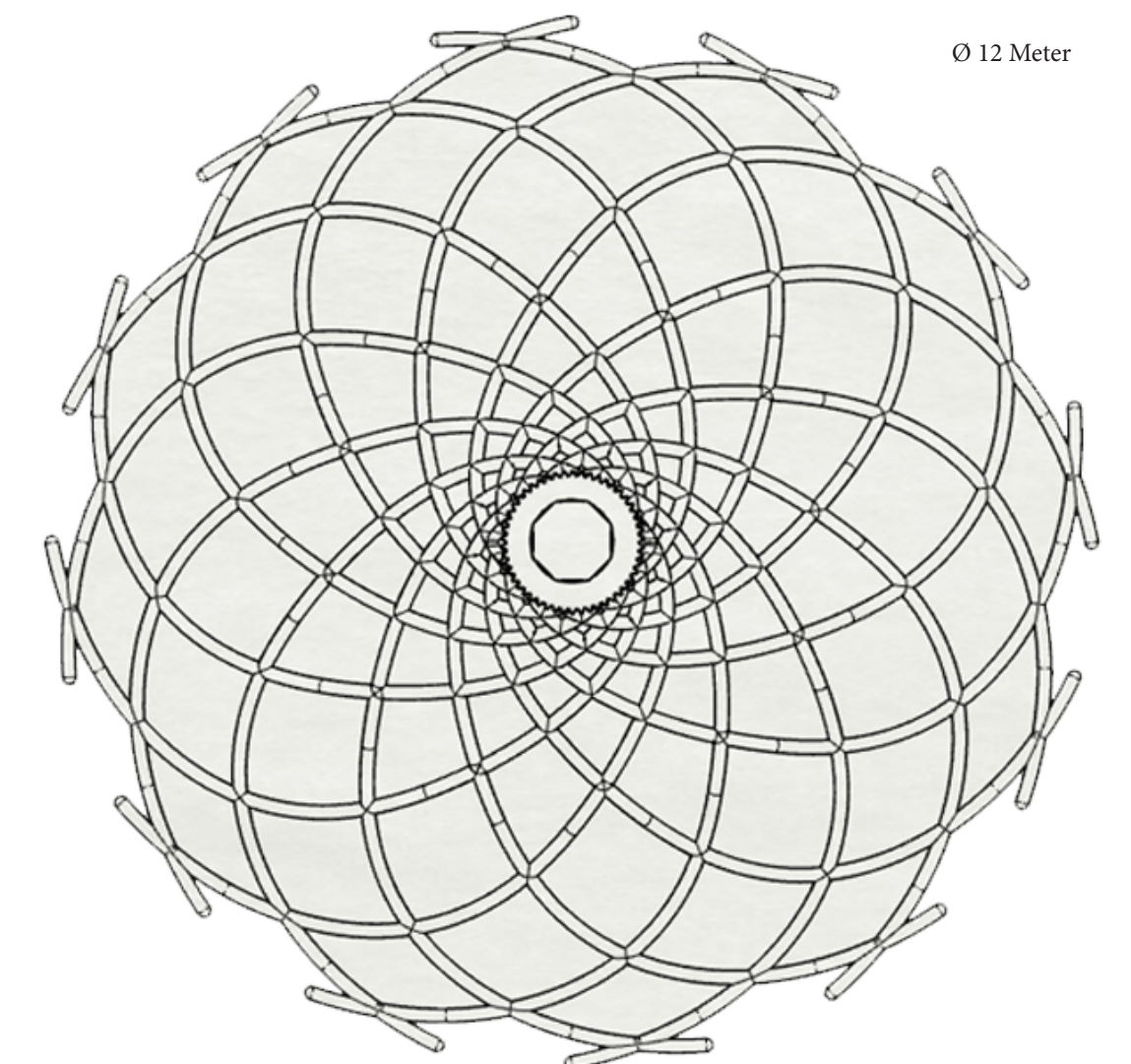
Front



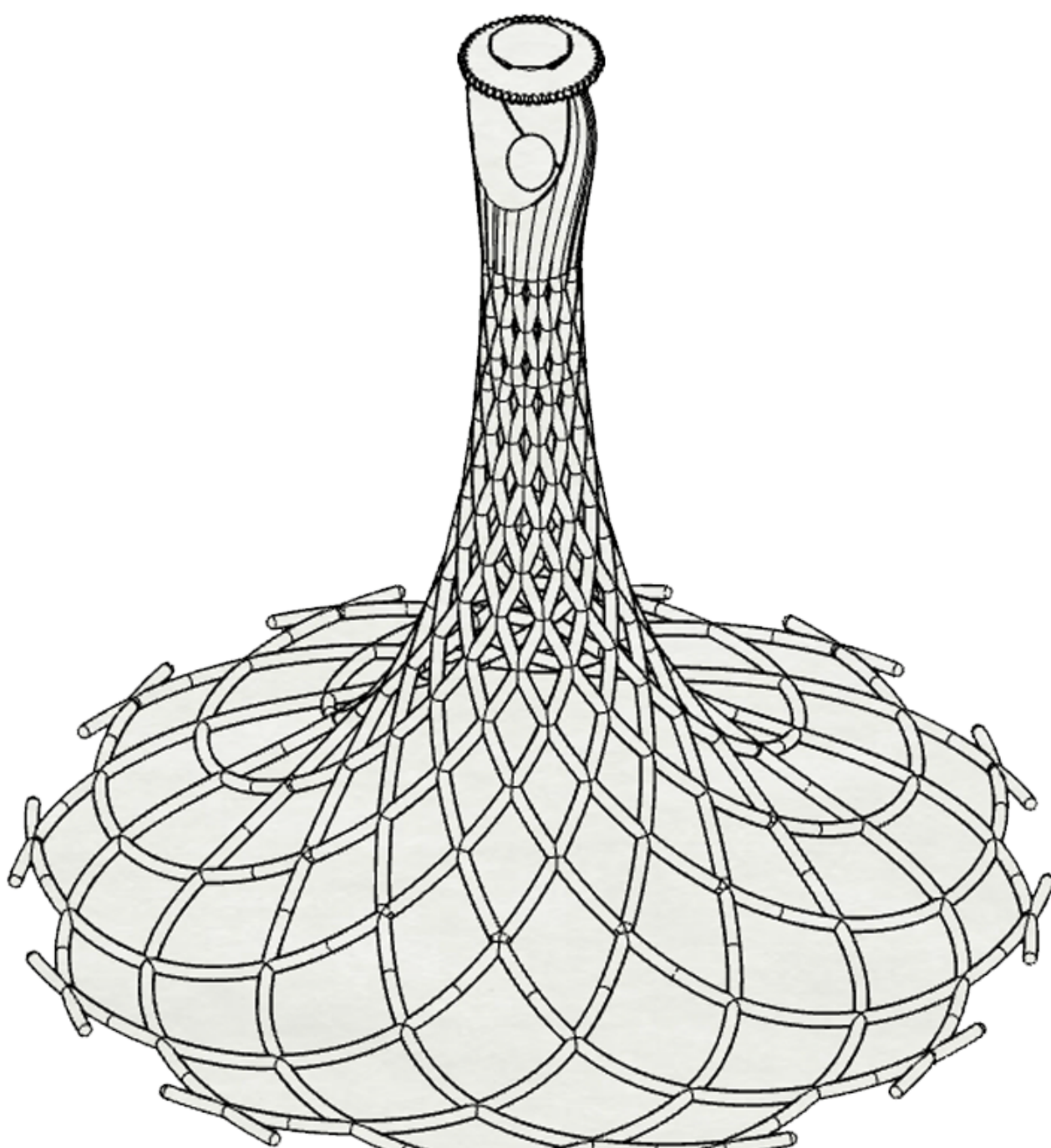
Side



Aerial View



Top



Isometric



# Synopsis

July 10, 2021

## ❖ CONTEXT: BACKGROUND OF NOTIONS OF INDIA

The Notions of India are based on the following ideas:

1. 75 years of Independence: Freedom Struggles, Ideas, Achievements, Actions & Resolve of India
2. Inspiration, Strength, and Direction for the next 25 years until 2047 (100 years of Independence)
3. Motivate all citizens to achieve the goals that now seem impossible in order to shape India better

## ❖ CONCEPT: DESCRIPTION OF THE IDEAS

1. **Unity in Diversity:** Citizens with diverse religions, cultures, languages live together in Harmony and Integrity
  - a. **Representation:** Similar to Ashoka Chakra's 24 spokes, we have 24 tubes arranged in one pattern. Each tube represents a few Key Aspects underlying our Independence and the foundation for our nation's growth. These are as follows:

i. Vedas	ii. Education
iii. Freedom fighter's struggle	iv. Healthcare
v. Freedom fighter's movement	vi. Election in India: EVMs
vii. Largest Constitution in the World	viii. Swachh Bharat Mission
ix. Largest Constitution in the World	x. Smart cities
xi. Yoga	xii. Helping hands for all nations
xiii. Satyameva Jayate	xiv. Latest technology
xv. Indian Arm forces (Army, Navy, Air force)	xvi. World's largest youth population
xvii. Indian culture	xviii. Ayurveda
xix. Agriculture	xx. Innovations
xxi. Iconic Monuments & Heritage sites	xxii. Digital India
xxiii. Space Mission	xxiv. Make in India
xxv. Sovereign Socialist Secular Democratic Republic Nation	
2. **Gender Equality:** Indian society is changing in terms of women's education, gender equality, equal employment opportunities and the reduction of crime cases. India will be a country for All Genders with equal rights and opportunities, not just for men and women.
  - a. **Representation:** A citizen represents all genders, including men, women, LGBTQ individuals, and others. Our goal is to Eliminate Discrimination across all sectors with respect and care for others.

3. **Gear:** India has demonstrated growth in numerous sectors such as agriculture, manufacturing, automobile, technology and initiatives such as Make in India and Digital India. Every machine runs on gears, whether it's a vehicle, piece of equipment, or computer. The Indian citizen carries the Gear to Ensure the Quality.
  - a. **Representation:** The spur gear symbolizes Technology and Innovation from independence to the future.
4. **Diamond:** Diamond is one of the precious materials in the World. Moreover, it represents 75 Years of Memory of the important events. Its properties include high strength, optical transparency, and resistance to exposure.
  - a. **Representation:** The diamond-shaped White Sapphire represents 75 years of independence. This is a symbol of Quality, Growth, and a Bright Future.

#### ❖ MEDIUM: HOW STEEL IS IDEAL & ANY ASSOCIATED MATERIALS USED

1. **YST 355 Circular Hollow Section:** Used for Pattern Arrangement
  - a. Excellent quality with high-grade raw materials
  - b. High yield strength (355 MPa) & ultimate tensile strength (490 MPa)
  - c. Steel savings of up to 40% compared to conventional angles and channels make this product cost-effective
  - d. Casting flexibility and good strength-to-weight ratio
  - e. Excellent torsion resistance and multiple-axis loading due to its uniform geometry
2. **Bronze:** Used for Citizen Statue with Gear
  - a. Superior than local materials in terms of strength
  - b. Very good ductility
  - c. Due to its low melting point, it is easier to cast than steel or iron, allowing artists to cut into minute details
  - d. Weather-resistant for several years
  - e. Requires little maintenance
3. **White Sapphire:** Representing the Diamond
  - a. A better alternative to diamond
  - b. Cost-effective
  - c. An electrically insulating material
  - d. In Indian astrology, this gemstone carries the positive energies of the planet Venus. This gemstone is a sign of good health, wealth, and harmony.

❖❖ **Our 3D Model's Walkthrough Video:** [Click Here](#) ❖❖

#### ❖ DETAILS OF THE PARTICIPATING TEAM:

1. **Amit Kumar** – MDes Student in IDC School of Design, IIT Bombay
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**THANK YOU**