



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



ॐ नमो भगवते वासुदेवाय



Secular Country



Indian Arm Forces
(Army, Navy, Air Force)



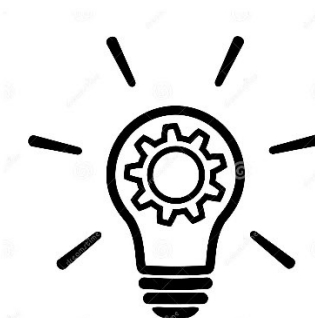
Technology- Future of India



सत्यमेव जयते



Indian Culture



Innovations



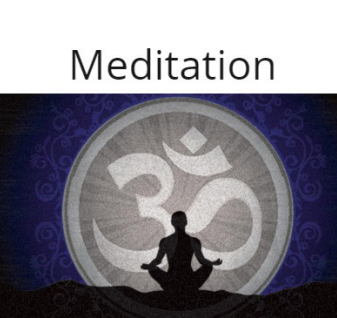
Heritage



Agriculture



Education



Meditation

Healthcare & Medicine



- Pradhan Mantri Jan Arogya Yojana
- Free COVID-19 Testing
- National Rural Health Mission
- National Urban Health Mission
- 4 Vedas: Rigveda, Yajurveda, Samaveda & Atharvaveda
- Indian philosophy, traditions & Goal is Moksha
- Yoga practices: physical, mental & spiritual
- 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

- Healthcare
- Vedas, Yoga
- Make in India

India

- History
- Salient Features
- Improvements
- Catchphrases
- India's 75th Independence (15th August 2022)

- Freedom Fighters
- Greatest Indians
- Largest Constitution in the World
- World's largest youth population
- Sovereign, Socialist, Secular, Democratic, Republic with a Parliamentary form of government
- 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

- effective administrator, diplomat
- Devotion, courage
- Non-violence, persistence
- Leadership, 'walk the talk'
- Hard work, resilience & positive attitude
- Revolutionist, long visionary attitude
- Collaborative Leadership

- Oldest university in world- Takshashila, 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

- 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

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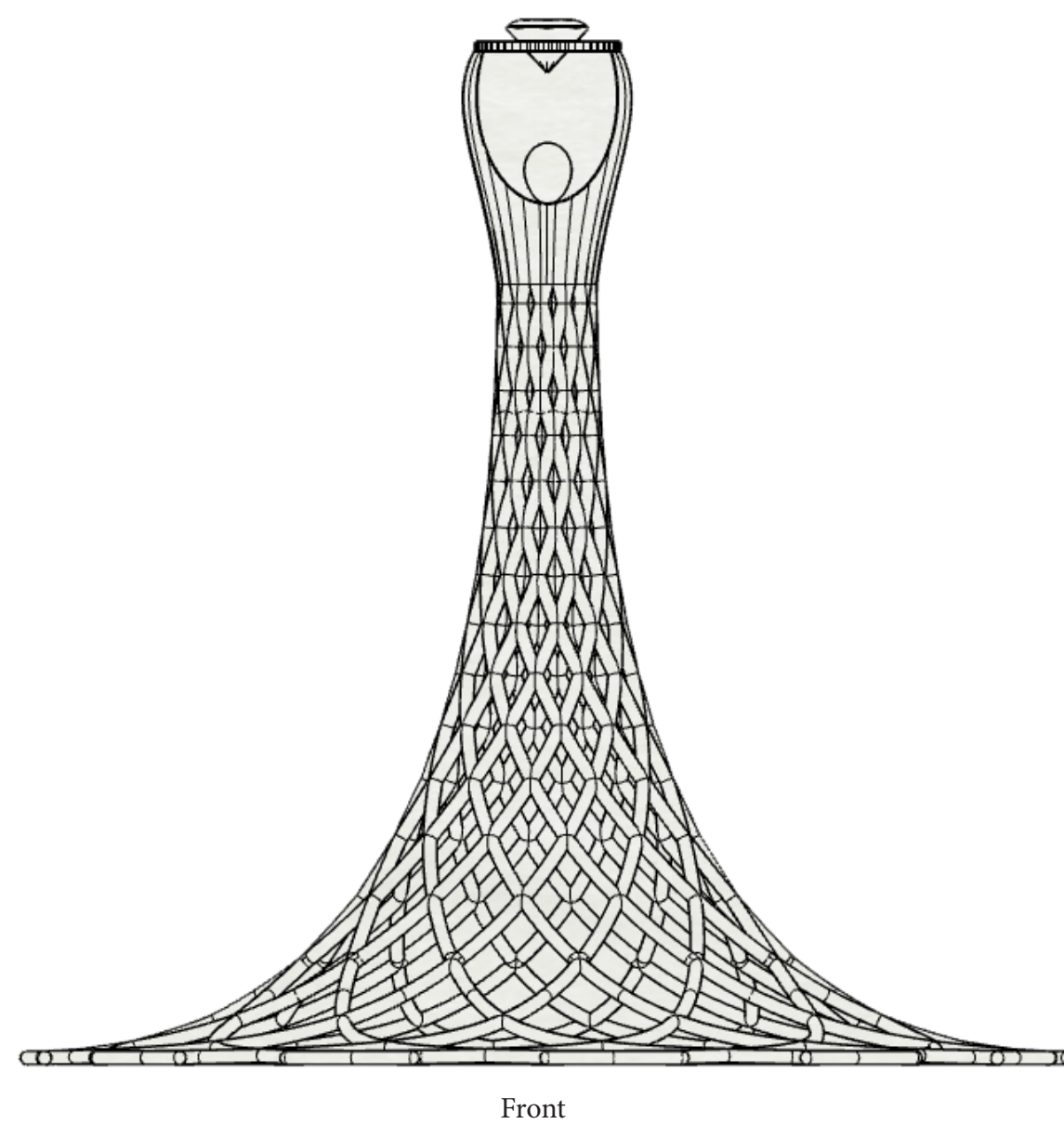
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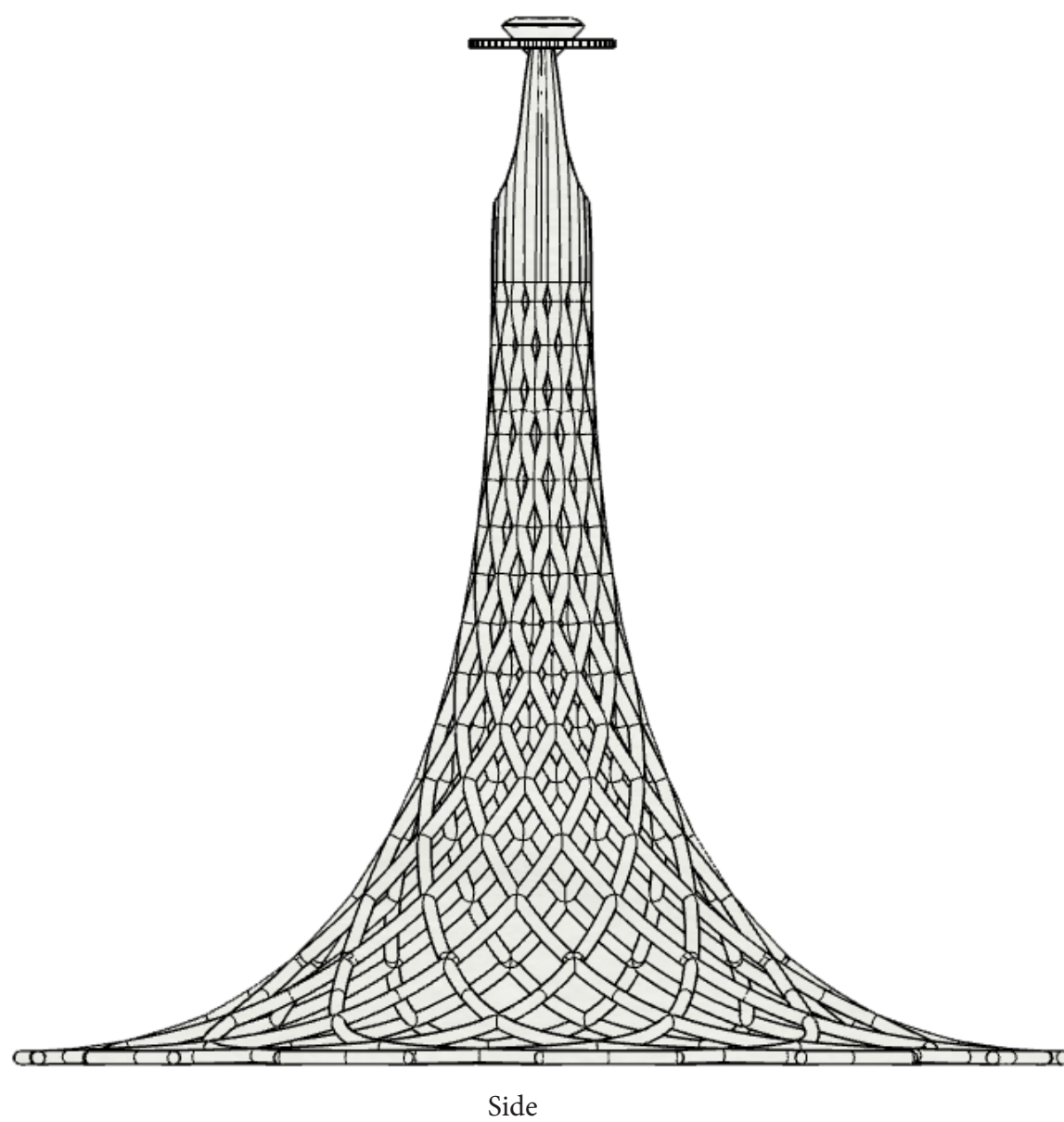
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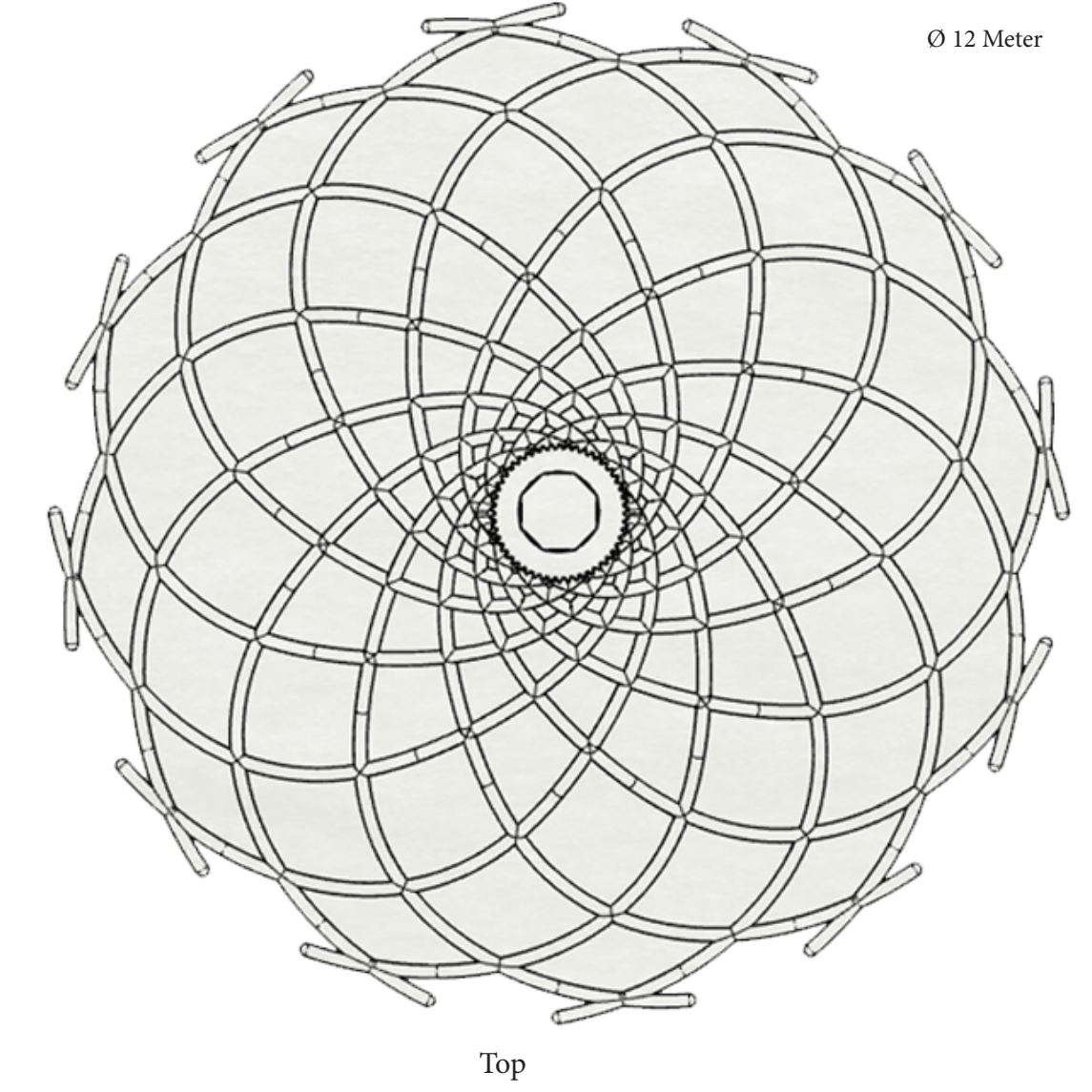
Geometric Views



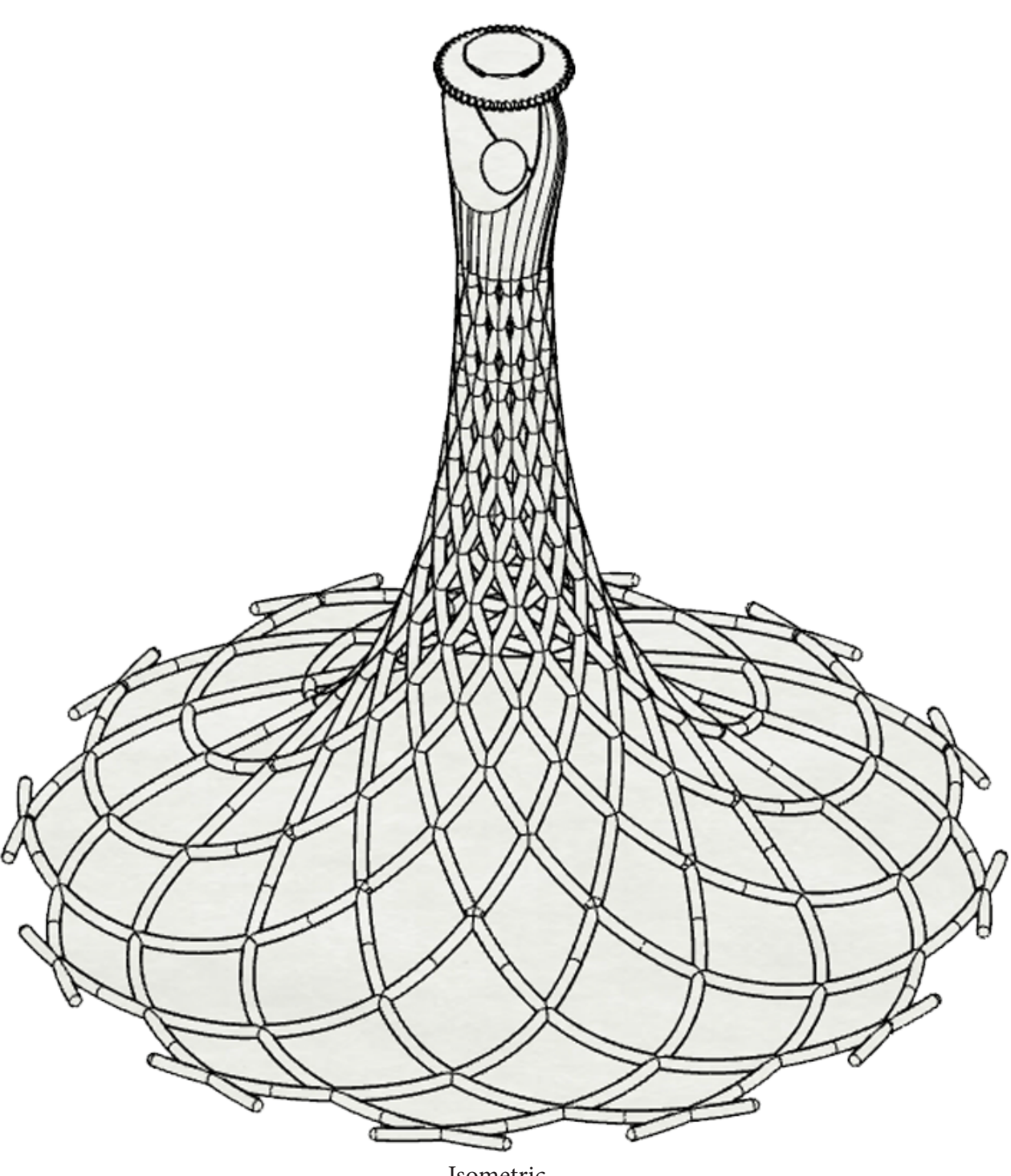
Front



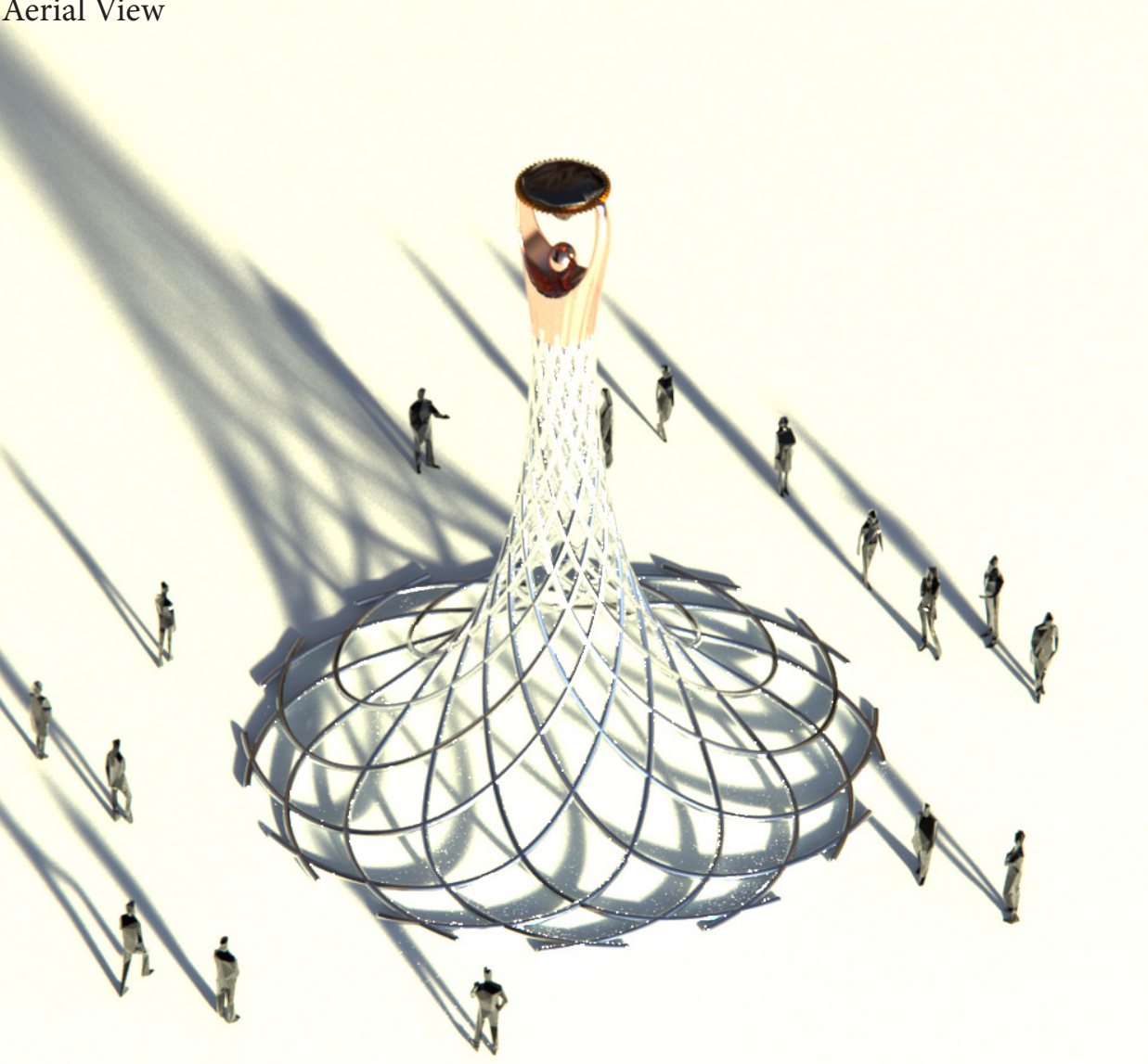
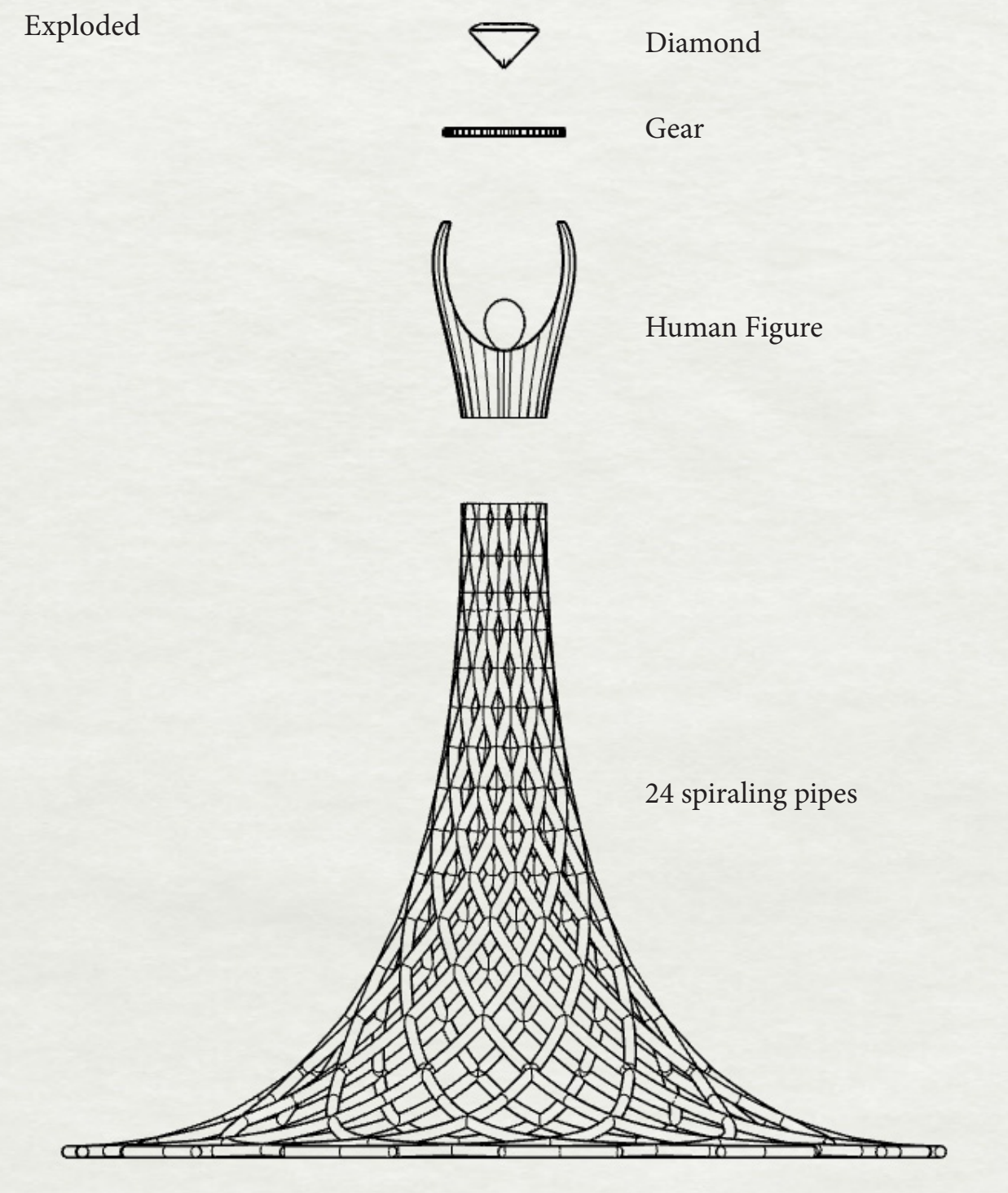
Side



Top



Isometric



Aerial View

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.

❖ DETAILS OF THE PARTICIPATING TEAM:

1. **Amit Kumar:**
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THANK YOU