

Industry Outlook

STRUCTURAL ENGINEERING CONSULTANTS

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V. SRIDHAR REDDY
FOUNDER

SRI HARSHA CONSULTING ENGINEERS

PIONEERING DEVELOPMENT
OF ADVANCED STRUCTURAL
ENGINEERING SOLUTIONS IN
TELANGANA

₹150



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India is undergoing rapid urbanization, creating inevitable waves of change in the high-rise building infrastructure projects and the development of various kinds of industrial projects. With monumental infrastructure development projects underway, the need for structural engineering consultants is at an all-time high. The demand for contemporary high-rise structures for modern residential as well as commercial needs, coupled with the desire to complete construction in no time has further advanced the demand for skilled structural engineering experts. With a legacy of excellence spanning over two decades, Sri Harsha Consulting Engineers (SHPL), a Hyderabad-based structural engineering firm stands as a pioneering business in this sector. Founded by V. Sridhar Reddy in 2002, SHPL has been at the forefront of technological integration, focused on accelerating construction processes while ensuring safety and high quality of the outcome.

Industry Outlook TOP 10
STRUCTURAL ENGINEERING
CONSULTANTS - 2024

SHPL IS ALWAYS
WILLING TO EMBRACE
NEW TECHNOLOGY IN
DESIGNING OF BUILDINGS &
FABRIQUES

V. SRIDHAR REDDY
FOUNDER



V. Sridhar Reddy began his education at a Government School in Atmakur, Telangana. Later, he pursued Civil Engineering at the University College of Engineering, Osmania University, and furthered his education with a PG degree from R.E.C, Kurukshetra. With a strong knowledge base, he began his career in the field and eventually founded Sri Harsha Consulting Engineers. Through his company, he is working to improve the standard of structural engineering services.

Embracing Technology

The structural engineering industry has in recent times witnessed several innovative developments aimed at streamlining operations and increasing efficiency to reduce turnaround time. SHPL has integrated many such solutions like utilizing the tunnel form technology for building high-rise apartments. The use of precast elements for parking floors, along with wider column spans and transfer slabs designed at podium level and above the super structure which is designed from tunnel form technology are few other unique features that sets it apart. While designing Steel Structural buildings, they use all kinds of materials like TATA Structura, Jindal UB, UC sections, SAIL NPB sections apart from members made up of plates of various shapes like I sections, star sections, box sections, and circular sections.

“We, at SHPL, are always willing to embrace new technology in the design of buildings and factories using structural steel as the main member and also for the construction of high-rise commercial complexes. We were the pioneers in the design of 20-storeyed buildings in Hyderabad. We have used speed floor members for secondaries for apartment construction and implemented cold-formed members for secondary members in commercial complexes. We are also consistently taking up challenging projects in the design of structures, which makes us a reliable partner in this industry”, shares V. Sridhar Reddy, Founder.

SHPL caters to diverse industries including steel industries, power plants, refractory industries, aqua feed plants, pharma industries, rice mills, cold storage, warehouses, and more. The various requirements of each of these industries and the firm’s experience and expertise in fulfilling these varied requirements speak volumes of the company’s civil engineering prowess. Excelling particularly in RCC and structural Steel design, the company has designed a plethora of structures for diverse needs.

“SHPL has the ability to do designs both in RCC and steel structures. For example, we have designed a monumental structure for the ‘Telangana Martyrs Memorial’ in Hyderabad. In this structure, cellar floors have been designed in RCC structure with flat slab and above steel structure has been designed. This unique structure has the shape of an ellipsoid in which all the exhibition halls, convention center and food courts are accommodated and at one side, a flame structure (Jyothi) of 30m height is designed. While designing Telangana state secretariat also we have designed domes as steel composite structures and elevation columns of 17.85m unsupported length have been designed in steel structures”, explains V. Sridhar Reddy.

Journey So Far

Over the decades, SHPL has successfully delivered hundreds of projects in various capacities. The company has worked on a diverse range of projects including high-rise steel structures, residential projects, steel-structured data centers, and more. SHPL has completed over 50 projects for the pharma industry alone. Beyond these, the company has been responsible for the design of projects across steel, power, solar, entertainment, energy, paper, cement, automobiles, and many other government and private sectors.

“What sets us apart from the other players is the fast adaptation of a new technology into our operations. Unlike



other consultants in Hyderabad, we command expertise in RCC as well as steel structures. We prioritize delivering correct and accurate drawings and designs to the client. One of the main reasons for us to become successful is that we maintain strong business ethics and integrity and strictly adhere to the policies”, adds V. Sridhar Reddy.

Among the numerous stellar projects delivered, SHPL’s innovative design approach of 34 domes of varied sizes, a maximum of 18 diameters, gave an opportunity to the contractor to complete in a mere six to eight months for the Telangana State secretariat stands out as a significant achievement. Highlighting the company’s expertise is another project that it carried out for the Waste-to-Energy (WTE) power plant in Hyderabad. Posing a unique requirement for a 55m high unsupported slender columns in PEB structure, the project needed the firm to innovate a design that focused on the slenderness of the column, and also on the control of sway for the height. Through its deep understanding of civil engineering principles, and guided by the founder, the team at SHPL expertly delivered the drawings, reinforcing its technical prowess.

Gaining a reputation as an industry pioneer and trailblazer, SHPL has delivered designs for projects across multiple states. In fact, the company has successfully completed the world’s tallest data center in Navi Mumbai by implementing steel composite flat slab construction.

Future Aspirations

Currently involved in the design of Warangal Super Specialty hospital, refractory industries, rice mills, 40-storeyed high-rise buildings, and government medical colleges. SHPL handles both public and private sector projects. The company has also served several foreign clients in India. As a firm dedicated to contributing to the country’s growth, SHPL is excited to continue adopting new technologies such as the Wall form

technology in the years to come which would enable it to stay ahead. Moreover, the company anticipates the inclusion of more steel structures of varied magnitude of heights and cantilevers in high-rise buildings. Aligning with these projections, the firm aims to continue providing top-notch structural engineering services, while also being focused on hiring and training new talent.



“We would like to provide more and more employment to the coming generation and spread the knowledge all across. We also emphasize the health and wealth of all the people who are associated with it. We consistently keep evolving in the point of view of innovations and executing new technologies in the field of structural engineering, as we strongly believe that we should never say ‘no’ to any client’s needs. Sarve Jana Sukhino Bhavanthu”, lastly adds V. Sridhar Reddy.

Starting from a small town, V. Sridhar Reddy built a dynamic company that today stands at the precipice of becoming the industry leader. With a continued focus on teamwork, ethics, and integrity along with the strategic implementation of technology across operations, the firm is poised to achieve its aspirations. ||

Industry **Outlook**

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IS PROUD TO PRESENT

SRI HARSHA CONSULTING ENGINEERS

AS ONE OF THE

TOP 10 STRUCTURAL ENGINEERING CONSULTANTS

2024

*in acknowledgement of its unwavering focus and dedication
to achieve excellence in quality and delivery in this field.*

Sudhakar Singh

Sudhakar Singh
Managing Editor
Industry Outlook