

# profile



adversity glares,  
complexity dares,  
time lines daunt,  
conditions deter,  
but challenges beckon.  
no matter what,  
we'll build it.



ISO 9001 : 2008 CERTIFIED

## taking up bigger challenges since 15 years

### V ARKS AT A GLANCE

The challenges of large scale infrastructure projects call for a very specialized capabilities. V ARKS Engineers Pvt. Ltd., an ISO 9001:2008 company, has been delivering excellence in the field of large scale engineering and construction for more than 15 years now.

The company was formed In the year 1995 and has since proven its mettle by working in large scale and complex projects under adverse conditions - and delivered success each time. The company's aim is to provide innovative engineering solutions at optimum costs, while ensuring on-time deliveries.

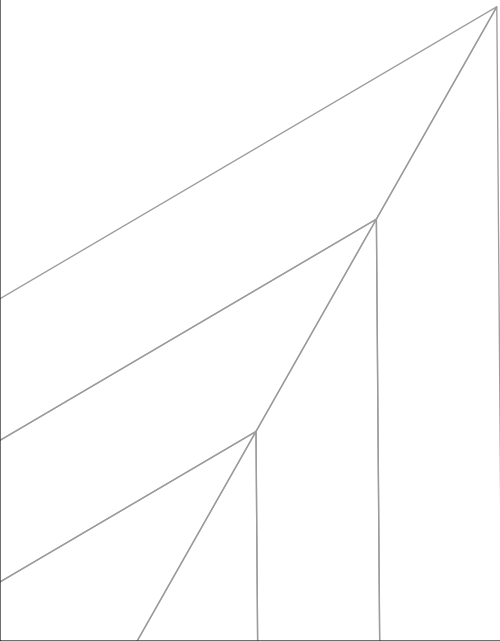
Today, V ARKS Engineers is one of the few companies that specializes in underground and tunneling works, hydro-power, lift-Irrigation projects, Industrial and special purpose structures. V ARKS Engineers, with its large pool of highly adaptable workforce and machinery, is now ready to take up bigger challenges in infrastructure and development.

### FOUNDED ON LEGACY, BUILT ON PASSION

**N Sudarshan Reddy**, a seasoned civil engineer with over 30 years of experience, started his career in his family-owned construction business in Hyderabad. The company had an impressive legacy with prestigious projects such as Chiran Palace for His Excellency Mukkaramjah (Nizam) and the Lalbahadur Stadium. During his tenure, Sudarshan Reddy worked on marquee projects such as the SLV-3 launch pad, vehicle integration building, block house and solid propellant booster plant (ASLV) for the **Department of Space**; the 2x100 MW and the 2x30 MW hydropower projects at Nagarjunasagar for **APGENCO**; Jetty Boats and Repair Shop for **DRDO** on the banks of River Krishna; and various other Industrial and office complexes for **NFC, BDL, MCH**, etc. In 1995, he realized his dream of establishing his own civil construction company with the formation of V ARKS Engineers. Over the past 15 years, he has helped the company build a reputation for itself in executing challenging projects across India.

### MISSION

To leverage the right blend of youth and experience in the 'board' as well as in the 'workforce', to introduce innovative construction techniques with the latest technologies, to deliver success in diverse projects such as hydro power, dams, tunnels, canals, lift irrigation, etc.



## The works of V ARKS - completed

### 6x150 MW Srisaïlam Left Bank Hydro Electric Scheme, Srisaïlam, Andhra Pradesh APGENCO

- 'Y' Junction (Asia's largest concrete 'Y' Junction in HRT)
- 15 M diameter Head Race Tunnel
- 600 M length of 15 M diameter Tail Race Tunnel
- Formation of 14.5 km long approach road to Weir



vast experience in specialized tunneling projects

10 kms of tunneling across India

## The works of V ARKS - completed

### 3x7.5MW Varahi Mini Hydel Scheme for Sandur Power Client: L&T

- 7.5 M dia, 1800 M Head Race Tunnel
- 45 M deep surge shaft
- 7.5 M dia 350 M long Penstock tunnel



### 3x40 MW Sewa -2 Hydro Electric Project at Basoli, Kathua District, J&K Client: Patel Engineering & NHPC

- Power House complex including Power House, Tail Race Channel and Switch Yard



## The works of V ARKS - completed

**6x39 MW Priyadarshini Jurala Hydro Electric Project at Mahbubnagar Dist., AP**  
**Clients: Patel Engineering & APGENCO**

- Construction of Intake structure, Power House, DT structure, Tail race pool and related structures



ability to work with strategic alliances in electrical and hydro-mechanical fields to provide an end-to-end solution

## The works of V ARKS - completed

**Rajiv Lift Irrigation Project Lift-I (Bheema) at Maktal, Mahabubnagar Dist., AP**  
**Clients: Patel Engineering & AP I & CAD**

Stage I: 3 x 12 MW 1st stage Pump House

- Excavation and Construction of Pump House Complex including approach channel, 1.7 km Intake Tunnel, Surge Pool, Draft Tube Tunnels, Pump House, Delivery Lines and Cistern



Stage II: 3 x 4 MW 2nd stage Pump House

- Excavation and Construction of Pump House Complex including approach channel, Surge Pool, Draft Tube Tunnels, Pump House, Delivery Lines, Cistern and Delivery Channel



proven capabilities to deliver on-time and on-budget consistently

## The works of V ARKS - ongoing

**5x30MW Mahatma Gandhi Lift Irrigation Project Stage -I at Kollapur, Mahabubnagar Dist., AP**  
**Clients: Patel Engineering & AP I & CAD**

- Excavation and Construction of Pump House Complex including approach channel, 400 M Intake Tunnel, Surge Pool, Draft Tube Tunnels, Pump House, Delivery Lines and Cistern



**4x17MW Jawahar Lift Irrigation Project Stage – I at Guddemdoddi, Mahabubnagar Dist., AP**  
**Clients: Patel Engineering & AP I & CAD**

- Excavation and Construction of Pump House Complex including approach channel, 300 M Intake Tunnel, Surge Pool, Draft Tube Tunnels, Pump House, Delivery Lines and Cistern



proven capability in executing large-scale infra projects

civil works for lift-irrigation pump houses irrigating over 6.4 lakh acres

## The works of V ARKS - ongoing

**6x40 MW Lower Jurala Hydro Electric Power Scheme at Atmakur, Mahabubnagar Dist., AP**  
**Client: APGENCO**

- Construction of WEIR across river Krishna consisting of 1.6 km of Left non over flow, over flow section, right non over flow section, earthen embankment of left and right banks including, de-silting sluices etc.



more than 10 lakhs cubic meters of concrete

40 lakhs plus cubic meters of excavation



## The works of V ARKS - ongoing

**6x40 MW Lower Jurala Hydro Electric Power Scheme at Atmakur, Mahabubnagar Dist., AP**  
**Client: APGENCO**

- Construction of Power House Civil works including switch yard, gates and hoists etc. at Lower Jurala Hydro Electric Project (6x40 MV)



financial planning over several decades, across varied projects

over 4000 metric tonnes of structural steel fabrication and erection

## The V ARKS machinery at work

Some of V ARKS Engineers' key machinery includes:

- **5 Aggregate crushing plants** of capacities ranging from 60TPH to 120TPH (make: Puzzolana & NAWA)
- **11 Batching plants** of capacities ranging from 20 cum/hr - 60 cum/hr (make: Schwing Stetter & Ajax Fiori)
- **5 Tower cranes** - boom lengths ranging from 25M to 65M
- **13 Large Excavators** (Make: L&T Komatsu, Tata Hitachi & JCB)
- **80 Trucks** of 8 cum and 14 cum (make: Ashok Leyland & Tata)
- **14 Air compressors** of 150CFM up to 600CFM (make: CP & Elgi)
- **11 Concrete Pumps** (make: Schwing Stetter)
- **19 Transit Mixers** of capacities 4 cum and 6 cum (make: Ajax, Schwing Stetter & Greaves)
- **3 Crawler Drills** with compressors (make: Atlas Copco)
- **7 Generators** ranging from 82.5 KVA up to 380 KVA (make: Caterpillar, Kirloskar & Greaves)
- **3 Total stations** (make: Sokia)
- **3000 meters of Tunnel Ventilation System**



large pool of diverse equipment from reputed brands

well trained and experienced workforce

# Vision

To be the frontrunner in envisioning, planning and executing large scale infrastructure projects and help build a strong foundation for the nation to emerge as a leader in infrastructure.

we are all  
about ensuring  
project success,  
no matter what.

[www.varksengineers.com](http://www.varksengineers.com)



we'll build it.