



**GOVERNMENT OF TELANGANA**



**SOUTHERN POWER DISTRIBUTION COMPANY OF TELANGANA  
LIMITED**

**EXPRESSION OF INTEREST**

**FOR**

**SHIFTING OF OVERHEAD POWER LINES TO UNDERGROUND  
POWER CABLES & OTHER ASSOCIATED WORKS IN THE CITY OF  
HYDERABAD, TELANGANA**



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## **EXPRESSION OF INTEREST (EoI) FOR SHIFTING OF OVERHEAD POWER LINES TO UNDERGROUND POWER CABLES & OTHER ASSOCIATED WORKS IN THE CITY OF HYDERABAD, TELANGANA**

The state of Telangana, India's youngest state, has emerged as a hub for innovation and development since its formation in 2014. The state has achieved rapid urbanization and economic progress with a strong focus on infrastructure and industrial growth. The state is also a leader in the power sector with a contracted power capacity of ~19.7 GW as of December 2024 and a per capita electricity consumption of 2,126 kWh which is among the highest in the country.

Southern Power Distribution Company of Telangana Limited (TGSPDCL) is a state electricity distribution licensee which supplies power across 15 districts spanning across a total area of 51,860 sq. km in Telangana. TGSPDCL caters to electricity demand of 1,16,96,053 consumers, including 13,30,806 commercial, 86,29,091 residential, 77,270 industrial, 14,80,584 agriculture and 1,78,302 other category consumers. Key objective of TGSPDCL is to supply reliable and quality power to the southern region of Telangana with majority of the demand coming from the city of Hyderabad.

TGSPDCL, sharing the government's vision of making Hyderabad a global city, invites interested global firms with proven capabilities and demonstrated experience in executing in similar largescale underground power cabling project in any metro / large cities either in India or abroad.

### **Objective:**

TGSPDCL intends to tap the expertise of private sector in carrying out undergrounding works in the City of Hyderabad which includes the entire area within outer ring road (ORR) i.e., entire Greater Hyderabad Municipal Corporation (GHMC), adjoining municipal corporations, municipalities, and gram panchayats. Some of the key network statistics (approximately) include –



33/11 KV Substations – 498 Nos., 33 KV Underground Cable (UG) – 1,280 kms, 33 KV Overhead (OH) line – 3,725 kms, Power Transformers (PTRs) provided in Substations – 1022 Nos., 11 KV UG Cable – 957 kms, 11 KV OH line – 21,643 kms, LT line 56,965 kms and Distribution Transformers (DTRs) – 1,50,992 Nos.

This EOI seeks participation from qualified global firms and technology providers to present innovative solutions and efficient implementation strategies for transitioning from traditional overhead line network to underground cable network in the city of Hyderabad as underground cabling is pivotal for addressing challenges such as urban congestion and power reliability while enhancing system efficiency and public safety. This project forms a vital component of city's urban infrastructure modernization.

**Tentative Implementation Mode:**

TGSPDCL intends to implement the underground power cabling project under the Hybrid Annuity Model (HAM) or any other feasible funding model.

**Tentative Scope of the work:**

- Survey and Feasibility study
- Design and Engineering
- Procurement and Installation
- Integration with existing infrastructure
- Testing and commissioning
- Operation & Maintenance (O&M)

**Interested parties are requested, to submit the following to express their interest:**



- Eligibility to Express Interest: Only such parties those who have implemented such underground cabling works for power utilities in India or abroad can express interest for this EoI.
- Parties can also form a joint venture (JV) with appropriate technology partners who have implemented such underground cabling works for power utilities in India or abroad and express interest. Such firms should also produce requisite documents for the proposed JV.
- A Letter of Interest from interested party on their letter head.
- The interested parties are expected to give a presentation to the expert committee covering the following:
  - a) Brief about their firm
  - b) Previous works of the interested party
  - c) Technology landscape and various execution models prevailing in the market
  - d) Pros and cons of the different execution modes
  - e) Proposed mode of execution of the project
  - f) Global best practices and case studies
  - g) Financial information of the firm (Net worth and Revenues over the last 3-5 years)
  - h) Any existing technology tie-ups with Cable manufacturers or any existing manufacturing capacity base
  - i) And any other information as deemed fit by the interested party.

All the interested parties are expected to respond to the EOI within 15 days from the issuance of EOI and subsequently you will be called for presentation in person on 7th Feb 2025

1. The following are the principal activities of the company:

1.1. The company is engaged in the business of providing services to its customers.

1	PROVIDING SERVICES TO CUSTOMERS	100%
2	PROVIDING SERVICES TO CUSTOMERS	100%
3	PROVIDING SERVICES TO CUSTOMERS	100%
4	PROVIDING SERVICES TO CUSTOMERS	100%

1.2. The company is engaged in the business of providing services to its customers.



**Timeline:**

S. No	Event	Timeline
1	Date of issuance/ publication of EOI	20 <sup>th</sup> Jan 25
2	Last Date for Submission of EOI	1 <sup>st</sup> Feb 25
3	Date of Presentation by the interested parties	7 <sup>th</sup> Feb 25

TG Discoms will convey the decision on the next steps based on the presentation.

The EOI may be sent by email to [cmd@tgsouthernpower.org](mailto:cmd@tgsouthernpower.org)



Chief Engineer/Projects  
TGSPDCL