



TELANGANA STATE ELECTRICITY REGULATORY COMMISSION

11-4-660, 5th Floor, Singareni Bhavan, Red Hills,
Hyderabad – 500 004, TELANGANA.
Email id: secy@tserc.gov.in

**EXPRESSION OF INTEREST FROM ARCHITECTS FOR DESIGNING A
NET ZERO ENERGY EFFICIENT TSERC OFFICE BUILDING**

TSERC is a quasi judicial autonomous body incorporated under Section 82 of Electricity Act, 2003 by the Government of Telangana read with Section 3 of Telangana Electricity Reform Act 1998. Energy conservation is Energy produced and tapping the potential of the natural sources are in the interest of the Indian Economy at large. Being the front runner in the Electricity sector of the State, the Commission is committed to Energy conservation, Energy generation from NCEs at micro level and also intends to contribute at its level to the ecological protection of the State of Telangana.

Given the backdrop, TSERC proposes to construct its own office building as a Net Zero and Energy efficient building (NZE). The Commission has acquired 1862 sq. meters land and proposing for construction of an NZEB office building in the said premises with a built up area of 46,215 Sq ft in ground plus 4/5 upper floors.

The Commission intends to appoint an Architect for designing such a NZE Building and also to provide continuous support till the completion of the project. Architects those who are interested may submit their expression of interest on or before 21.01.2022 before 5.00 pm. They should submit their **concept plans** along with the annexures specified herein.

Net Zero Energy Buildings (NZEBS)

NZEBS are buildings that, through renewable means, produce as much energy as they consume, when accounted for annually. They embody the highest level of energy efficiency and climate responsive design by first

reducing energy demand, then meeting the residual demand through renewable means. The architectural design of such buildings follows the logical sequence of achieving NZEB status - focusing on building form, orientation, shading, and appropriate materials for reducing cooling and energy demand before integrating renewable energy.

Performance Specifications

The following performance is expected from the new building being proposed.

- 1) Reduce the carbon footprint and embodied energy of the building and its operation through innovative design, construction techniques, materials, and proven technologies considering a life cycle approach.
- 2) Meet or exceed the Super Energy Conservation Building Code (Energy Conservation Building Code) specification for energy efficiency.
- 3) Achieve the most cost-effective NZEB solution by integrating renewable energy on site
- 4) Building is to be certified as IGBC Platinum/LEED Platinum/GRIHA
- 5- Star as well as IGBC/LEED Net Zero Energy Building certification

EOI requirement

The selected Architect team will design the building as per the requirements of TSERC. The requirements to qualify for the EOI are as follows:

1. A multidisciplinary team with expertise in green building design, renewable energy integration, and MEP.
2. Team must have experience of at least one certified green office building (IGBC or LEED Platinum or GRIHA 5-Star rated) of at least 3,000 m² in the last 5 years.
3. Preference will be given to Architects with presence in Telangana

In this context, TSERC is inviting EoI from qualified firms for supporting the design and construction of the Net Zero Energy building in Hyderabad. The

EoI shall be emailed to secy@tserc.gov.in on or before 21.01.2022, before 5 PM. The application formats for EoI are as follows:

ORGANIZATION INFORMATION

Sl. No.	Item description	
1	Name of the Organization	
2	Address of the applicant with telephone no & email id	
3	Year of Establishment	
4	Name of the CEO / Director	
5	Contact cell number of CEO	
6	Email id of CEO	
7	Constitution	Propriety / Partnership / Limited Company / Corporation / Joint Venture / Consortia / LLP (Submit a copy of relevant document as Annexure – I)
8.	Number of Professional staff	A. Architects: B. Structural Engineers: C. Civil Engineers: D. Surveyors: E. Others
9	Having Multidisciplinary team with expertise in Green Building design, renewable energy integration and MEP	Yes / No
9.1	If Yes	Provide team details with CVs separately as per format provided in Annexure – II
10	Experience in designing IGBC or LEED Platinum or GRIHA (5 star rated) of atleast 3,000 m ² in the last 5 years	
10.1	If yes	Provide the complete project details separately as per format provided in Annexure III

ANNEXURE – II

FORMAT OF CURRICULUM VITAE OF KEY PROFESSIONALS

(To be furnished each member of the team)

Sl. No	Particulars	Details of the Team Member
1	Name	
2	Designation	
3	Date of Birth	
4	Experience with this firm in years	
5	Nationality	
6	Membership in Professional bodies	

Educational Qualifications: Indicate all educational qualifications in chronological order including Professional qualifications:

Sl. No.	Name of the Qualification	Name of the Institution	College / university	Year of Passing
1				
2				
3				
4				
5				

Details of Professional experience: (To be furnished in reverse chronological order, starting from the present employment. If required additional sheets may be enclosed). Details of nature of job, specific skill sets used and contributions made in each employment may be made on additional sheets).

Sl. No.	Name of the Organization, Designation and Location	Achievements / Activities performed/ Certifications obtained for the work	Period of work	
			From	To
1				
2				
3				
4				
5				
6				
7				

Declaration:

I, the undersigned certify that the information furnished is true to the best of my knowledge, which describes my qualifications, experience, and achievements.

Signature

ANNEXURE III

DETAILS OF THE PROJECTS EXECUTED

Sl. No.	Name and Location of the project	Address of the client with Contact name and Cell number	Type of building	Total built up area (sq. m)	Compliance of the project with regard to date of commencement and completion
1	2	3	4	5	6

Compliance (IGBC or LEED Platinum or GRIHA (5 -Star) along with a copy of certification	Work order value in INR. Along with a copy of work order	Duration of the project with (pl indicate date of commencement and completion)	Name of the Project In-charge & name of the staff involved	Salient features / design concept of Project
7	8	9	10	11

Signature