

**INVITATION FOR BIDS**

**NTPC RENEWABLE ENERGY LIMITED**  
**(A WHOLLY OWNED SUBSIDIARY OF NTPC LIMITED)**

**CONTRACTS SERVICES**

**INVITATION FOR BIDS (IFB)**

**FOR**

**LAND AND POWER EVACUATION PACKAGE FOR DEVELOPMENT OF 900MW ISTS CONNECTED SOLAR PV PROJECTS IN ANANTAPUR, ANDHRA PRADESH WITH GREEN SHOE OPTION OF 300MW.**

**(Domestic Competitive Bidding)**

**IFB No.: NRE-CS-5802-004(L)-9**

**Date: 07.11.2023**

**ETS Portal Tender Search Code: NTPCREL-2023-TN000029**

**Bidding Document No: NRE-CS-5802-004(L)-9**

**1.0 NTPC Renewable Energy Limited (NTPC REL) invites online bids from eligible bidders on Single Stage Two Envelope, viz. Envelope-I: Techno-Commercial Bid and Envelope-II: Price Bid) for Land and Power Evacuation Package for Development of 900MW ISTS Connected Solar PV Projects in Anantapur, Andhra Pradesh with Green Shoe Option of 300MW.**

**2.0 BRIEF SCOPE OF WORK**

**A. Land Related Works**

- 1. Arrangement of Government/private Land (5Acres/MW) on freehold/leasehold basis near Anantapur ISTS substation, Andhra Pradesh. The lease period shall be a minimum of 30 years.**
- 2. Necessary approach road till Pooling substation including any interconnection between plots (if not readily available) by self or through State machinery.**
- 3. Topography Survey for Land Parcels and any cutting / Filling with 95% compaction as per standard Proctor density test, to maintain an average slope of 10% for Solar Project Land for installation of tracker-based MMS. (Tracker system is not included in bidder's scope). The slope of land would preferably be in one direction for at least 100m length in N-S Direction.**
- 4. Geotech Investigation for Pooling Substation and Transmission System only as required for Design of Foundations.**
- 5. Fencing of the offered Land including entry / exit gates (minimum 2 per plot) including security cabins (as per Tender Drawing) for Solar Project except Tr. Line related Land.**

**B. Power Evacuation Related Works**

- 1. Arrangement of grid connectivity with ISTS substation in Anantapur, Andhra Pradesh.**

**LAND AND POWER EVACUATION PACKAGE FOR DEVELOPMENT OF 900MW ISTS CONNECTED SOLAR PV PROJECTS IN ANANTAPUR, ANDHRA PRADESH WITH GREEN SHOE OPTION OF 300MW**

**BIDDING DOCUMENT NO.: NRE-CS-5802-004(L)-9**

**SECTION-I**  
**INVITATION FOR BIDS (IFB)**

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2. Design, Engineering, Supply, Erection, Testing & Commissioning of:
  - a) **AIS Pooling Substation** (400kV or 220kV as per quoted capacity) with Tie Transformers (400kV/33kV or 220kV/33kV- suitable quantity and rating in line with CEA standard specification) and associated SAS and Protection.
  - b) **33 kV Pooling Switchgear** for quoted capacity.
  - c) Associated Civil work for substation including Control Room Building and Pooling switchgear building.
3. **Design and Construction of EHV Transmission Line** from Pooling substation till ISTS Sub-Station as per technical specifications and relevant standards including arranging for the "Right of Way" of transmission line.
4. Design and construction of terminal bay(s) at ISTS end.
5. Telemetry system for data communication as per specifications.
6. Installation of Common Power Plant Controller (Main and Sub-PPCs) and Grid Compliance Study for solar plants associated with each Pooling Substation.
7. Supply and Installation of various Monitoring associated with Tie Transformers.
8. Supply of mandatory spares
9. O&M of Pooling substation and associated equipment, EHV Transmission Line and terminal bay(s) at ISTS end for a period of 3 years from the date of Project Commissioning.

The detailed scope of work is as defined in the bidding document No: **NRE-CS-5802-004(L)-9**.

**3.0** NTPC REL intends to finance the subject package through Own Resources/Borrowings.

**4.0** Detailed specification, Scope of work and Terms & Conditions are given in the bidding documents, which are available for examination and downloading at e-tender portal (as specified in this notice) and as per the following schedule:

IFB Date	07.11.2023	
Period of Downloading of Bidding Documents	From 15.11.2023 to 29.11.2023 upto 17:00 Hrs (IST)	
Pre-Bid Conference and Last Date for receipt of queries from prospective Bidders	04.12.2023	
Last Date and Time for receipt of bids comprising both Techno-Commercial Bid and Price Bid	20.12.2023	15:00:00 (IST)
Date & Time of opening of Techno-Commercial Bid	20.12.2023	15:30:00 (IST)
Cost of Bidding Documents	<b>INR 22,500/- (Indian Rupees Twenty-Two Thousand Five Hundred only)</b>	

***No Queries from Bidders, whatsoever, shall be entertained by the Employer beyond the last date of receipt of Queries/ Pre-Bid Conference as specified above.***

## INVITATION FOR BIDS

- 5.0** All bids must be accompanied by “Bid Security Declaration” in lieu of Bid Security in the form as stipulated in the Bidding Documents.

**ANY BID NOT ACCOMPANIED BY AN ACCEPTABLE BID SECURITY DECLARATION IN A SEPARATE SEALED ENVELOPE SHALL BE REJECTED BY THE EMPLOYER AS BEING NON-RESPONSIVE AND SHALL NOT BE OPENED.**

**6.0 QUALIFYING REQUIREMENTS FOR BIDDERS**

In addition to the requirements stipulated under section Instruction to Bidder (ITB), the Bidder should also meet the qualifying requirements stipulated hereunder in Clause 1.0 and Clause 2.0

**1.0 TECHNICAL CRITERIA**

1.1 The bidder should have executed at least the following works for grid connected Solar PV Projects/Solar Parks or Wind Projects/Wind Parks or combination thereof, of cumulative capacity of 100MW or higher, out of which at least one project/ Park should be of 50 MW or higher capacity.

- (a) Arrangement of land for the Project/Park.

**And**

- (b) Obtain technical feasibility approval for power evacuation through STU/ISTS substation.

The works referred at clause 1.1 (a) & 1.1 (b) can be in same or different projects/works which are commissioned or yet to be commissioned.

**OR**

1.2. The bidder should be an Indian company registered in India and should be Group company/Holding Company/Subsidiary company of a firm meeting the requirement (s) of Clause 1.1 above. In such a case, Bidder shall furnish an Undertaking jointly executed by the firm qualified as per clause 1.1 and the Bidder along with its bid for complete performance of the contract jointly and severally as per format enclosed in the bid document failing which the Bidder's bid is liable to be rejected.

**Notes for Clause 1.0**

- a. The reference Project/ Park of 50MW or above capacity in clause 1.1 should be at a single location.
- b. The type of land for meeting QR of clause 1.1 (a) can be either leasehold or freehold type.
- c. For clause 1.1 (a), bidder has to submit LoA along with client certificate or any other relevant document in support of arrangement of land.
- d. For cases where final clearance as per policy of the State is awaited from respective state Government, notarized agreement along with supporting documents establishing right to use shall be considered. Bidder shall provide the application submitted to State Government to establish that final clearance/approval is under process.
- e. For works related to Solar/Wind Park, bidder shall also submit certificate issued from