

**INVITATION FOR BIDS**

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

**CONTRACTS SERVICES**

**INVITATION FOR BIDS (IFB)**

**FOR**

**POWER EVACUATION PACKAGE-II UNDER DEVELOPMENT OF 755MW GVREL SOLAR PARK  
AT TILAIYA AND PANCHET RESERVOIR, DVC**

**OF**

**GREEN VALLEY RENEWABLE ENERGY LIMITED**  
*(A JOINT VENTURE OF NTPC RENEWABLE ENERGY LIMITED AND DAMODAR VALLEY CORPORATION)*

**(Domestic Competitive Bidding)**

**IFB No.: NRE-CS-5785-004(EVC2)-9**

**Date: 11.01.2023**

**ETS Portal Tender Search Code: NTPCREL-2023-TN000001**

**Bidding Document No: NRE-CS-5785-004(EVC2)-9**

**1.0 NTPC RENEWABLE ENERGY LIMITED (NTPC REL) on behalf of GREEN VALLEY RENEWABLE ENERGY LIMITED (GVREL) invites online bids from eligible bidders on Single Stage Two Envelope (i.e. Envelope-I: Techno-Commercial Bid and Envelope-II: Price Bid) for POWER EVACUATION PACKAGE-II UNDER DEVELOPMENT OF 755MW GVREL SOLAR PARK AT TILAIYA AND PANCHET RESERVOIR, DVC.**

**2.0 BRIEF SCOPE OF WORK**

**1. Park Pooling Station-I (220kV): -**

I. Design, Engineering, Supply, Erection, Testing & Commissioning of

- a. 220 kV GIS Park Pooling Station-I (04 GIS Bays) with 03 nos. 160MVA, 220/33-33kV Tie Transformer with GIS Building and associated SAS and Protection.
- b. 33 kV Pooling Switchgear of 285 MVA Capacity.
- c. 220kV AIS Bay at Koderma thermal Station switchyard.

II. Installation of Common Power Plant Controller and Grid Compliance Study for Solar plants associated with above Park Pooling Substation-I.

**2. Park Pooling Station-III (220kV): -**

I. Design, Engineering, Supply, Erection, Testing & Commissioning of

## INVITATION FOR BIDS

- a. 220 kV GIS Park Pooling Station-III (02 GIS Bays) with 01 nos. 160MVA, 220/33-33kV Tie Transformer with GIS Building and associated SAS and Protection.
- b. 33 kV Pooling Switchgear of 160 MVA Capacity.
- c. 220kV AIS Bay at Koderma thermal Station switchyard.

II. Installation of Common Power Plant Controller and Grid Compliance Study for Solar plants associated with above Park Pooling Substation-III.

3. Development of 220kV Transmission Lines from Park Pooling Station-I and Park Pooling Station-III to Koderma Thermal Power Station including ROW.
4. Development of 33kV Transmission Lines from Park Pooling Station-I and Park Pooling Station-III to designated points near respective reservoir including ROW.
5. Supply and Installation of various Monitoring and Testing Equipment/kit associated with GIS substation/Tie Transformer.
6. Supply of Mandatory Spare.
7. Supply and Installation of one Spare 160MVA,220/33/33kV Power Transformer.

The detailed scope of work is as defined in the bidding document No.: **NRE-CS-5785-004(EVC2)-9**.

**3.0** GVREL intends to finance the subject package through Own Resources.

**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:

ETS Portal Tender Search Code (TSC)	<b>NTPCREL-2023-TN000001</b>	
IFB Date	11.01.2023	
Period of Downloading of Bidding Documents	From 17.01.2023 to 01.02.2023 (up to 17:30 HRS (IST))	
Pre Bid Conference and Last Date for receipt of queries from prospective Bidders	02.02.2023	
Last date and time for receipt of bids comprising both Techno-Commercial Bid and Price Bids bid	16.02.2023	14:30:00 (IST)
Date & Time of opening of Techno-Commercial Bid	16.02.2023	15:30:00 (IST)
Cost of Bidding Documents in INR	INR 22,500/- (Indian Rupees Twenty-Two Thousand Five hundred only)	

***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 for an amount of **INR 2,00,00,000/- (Indian Rupees Two Crore only)** in the form as stipulated in the Bidding Documents.

**ANY BID NOT ACCOMPANIED BY AN ACCEPTABLE BID SECURITY IN A SEPARATE SEALED ENVELOPE SHALL BE REJECTED BY THE EMPLOYER AS BEING NON-RESPONSIVE AND SHALL NOT BE OPENED. IN CASE, THE BID SECURITY IS SUBMITTED THROUGH ELECTRONIC FUND TRANSFER (EFT), BIDDER TO SUBMIT THE PROOF OF E-PAYMENT OF BID SECURITY EITHER IN SEPARATE SEALED ENVELOPE OR IN THE E-TENDERING PORTAL.**

(Bidders who are unable to send the Original Bank Guarantee in physical form at the tender opening location, may adopt procedure given in Bidding documents)

- 5.1** 'Class-I local suppliers' only are eligible to participate in this tender, as defined in the bidding documents/ Public Procurement (Preference to Make in India), Order 2017 and its subsequent amendments/ revisions issued by DPIIT. The bidders may apprise themselves of the relevant provisions of bidding documents in this regard before submission of their bids.

### **6.0 QUALIFYING REQUIREMENTS FOR BIDDERS:**

In addition to the requirements stipulated under section Instruction to Bidder (ITB), the Bidder should meet the qualifying requirements of any one of the qualifying routes stipulated under clause 1.1 or 1.2 or 1.3.

#### **1.0 TECHNICAL CRITERIA**

**1.1 Route-I:** - The Bidder should have designed, manufactured, erected/supervised erection, tested/ supervised testing and commissioned/ supervised commissioning of one (1) Gas Insulated Switchgear (GIS) equipment(s) installation having at least six (6) bays of **220kV** or above voltage class with short circuit current of not less than 40 kA for 1 second in last ten (10) years, which should have been in successful operation for minimum two (02) years.

**1.2 Route-II:** - The Bidder should have established manufacturing facilities for GIS equipment in India based on technological support of an Associate (who meets the requirement at 1.1 above) and Bidder should have designed, manufactured, and supplied one (1) Gas Insulated Switchgear (GIS) equipment(s) installation having at least six (6) bays of **220kV** or above voltage class. The associate will be fully responsible for the performance of the GIS portion of the contract.

In such an event the Bidder shall furnish a Joint Deed of Undertaking between Bidder and its Associate as per the format enclosed in the bidding document to guarantee quality, timely supply, performance and warranty obligation etc. for the equipment(s). This Joint Deed Undertaking should be submitted prior to the placement of order on approved vendor.

In addition, a valid letter of technological support should be submitted prior to the placement of order on approved vendor from associate to manufacture, test and supply **220kV** or above voltage level GIS equipment in India.

**1.3 Route-III:** - The Bidder should have designed, constructed/erected, tested and commissioned one (1) Air Insulated switchyard / GIS Substation of 220 kV or above voltage class having at least six (6) bays in last ten (10) years which should have been in successful operation for a minimum period of two (02) year.

AND

## INVITATION FOR BIDS

The Bidder associates with a GIS manufacturer for sourcing of GIS equipments who meets the requirement indicated at 1.1 or 1.2 above. The associate will also be fully responsible for the performance of the GIS portion of the contract.

In such an event the Bidder shall furnish a Joint Deed of Undertaking between Bidder and its Associate as per the format enclosed in the bidding document to guarantee quality, timely supply, performance and warranty obligation etc. for the equipment(s). This Joint Deed Undertaking should be submitted prior to the placement of order on approved vendor.

Note: -

- a. For the purpose of qualifying requirement, one no. of bay shall be considered as a comprising of at least one circuit breaker, two disconnectors and current transformers (single phase).
- b. Bidder shall submit the certificate of successful completion and operation from the Owner.
- c. In case the award for the reference works has been received by the Bidder either directly from owner of plant/substation or any other intermediary organization, a certificate from such owner of plant/substation or the intermediary organization shall be required to be furnished by the Bidder along with its techno-commercial bid in support of its claim of meeting requirement stipulated above. Certificate from owner of the plant/substation shall also be furnished by the Bidder for the successful operation of the reference plant/substation.

### 2.0 FINANCIAL CRITERIA

- 2.1** The average annual turnover of the Bidder, should not be less than **INR 100 Crore (Indian Rupees One Hundred Crore Only)** or in equivalent foreign currency, for any three financial years out of the preceding five financial years as on the date of techno-commercial bid opening.

In case a Bidder does not satisfy the average annual turnover criteria, stipulated at Clause 2.1 on its own, its Holding Company would be required to meet the stipulated turnover requirements as above, provided that the Net Worth of such Holding Company as on the last day of the preceding financial year is at least equal to or more than the paid-up share capital of the Holding Company. In such an event, the Bidder would be required to furnish along with its Techno-Commercial bid, a Letter of Undertaking from its Holding Company, supported by the Holding Company's Board Resolution, as per the format enclosed in the bid documents, pledging unconditional and irrevocable financial support for the execution of the contract by the Bidder in case of award.

- 2.2** Net Worth of the Bidder as on the last day of the preceding financial year should not be less than 100% (one hundred percent) of bidder's paid-up share capital. In case the Bidder does not satisfy the Net Worth criteria on its own, it can meet the requirement of Net worth based on the strength of its Subsidiary(ies) and/or Holding Company and/or Subsidiaries of its Holding companies wherever applicable. In such a case, however the Net worth of the Bidder and its Subsidiary(ies) and/or Holding Company and/or Subsidiary(ies) of the Holding Company, in combined manner should not be less than 100% (one hundred percent) of their total paid up share capital. However individually,

## INVITATION FOR BIDS

their Net worth should not be less than 75% (seventy five percent) of their respective paid up share capitals.

Net worth in combined manner shall be calculated as follows:

Net worth (combined) =  $(X1+ X2+X3) / (Y1+Y2+Y3) \times 100$  where X1, X2,X3 are individual Net worth which should not be less than 75% (seventy five percent) of the respective paid up share capitals and Y1,Y2,Y3 are individual paid up share capitals.

**2.3** In case the Bidder is not able to furnish its audited financial statements on standalone entity basis, the unaudited unconsolidated financial statements of the Bidder can be considered acceptable provided the Bidder further furnishes the following documents on substantiation of its qualification:

- (i) Copies of the unaudited unconsolidated financial statements of the Bidder along with copies of the audited consolidated financial statements of its Holding Company.
- (ii) Certificate from the CEO/CFO of the Holding Company, as per the format enclosed in the bidding documents, stating that the unaudited unconsolidated financial statements form part of the consolidated financial statement of the Holding Company.

In case where audited results for the last financial year as on date of techno-commercial bid opening are not available, the financial results certified by a practicing Chartered Accountant shall be considered acceptable. In case the Bidder is not able to submit the Certificate from a practicing Chartered Accountant certifying its financial parameters, the audited result of any three out of five consecutive financial years preceding the last financial year shall be considered for evaluating financial parameters. Further, a certificate would be required from the CEO/CFO as per the format enclosed in the bidding documents stating that the financial results of the company are under audit as on techno-commercial bid opening and the Certificate from a practicing Chartered Accountant certifying the financial parameters is not available.

### Notes for Clause 2.0:

- i. Net worth means the sum total of the paid up share capital and free reserves. Free reserves means all reserves credited out of the profits and share premium account but does not include reserves credited out of the revaluation of the assets, write back of depreciation provision and amalgamation. Further any debit balance of Profit and Loss account and miscellaneous expenses to the extent not adjusted or written off, if any, shall be reduced from reserves and surplus.
- ii. Other income shall not be considered for arriving at annual turnover.
- iii. "Holding Company" and "Subsidiary" shall have the meaning ascribed to them as per Companies Act of India.
- iv. For Turnover indicated in foreign currency, the exchange rate as on seven (7) days prior to the date of techno-commercial bid opening shall be used.

**7.0** NTPC REL reserves the right to reject any or all bids or cancel/ withdraw the Invitation for Bids without assigning any reason whatsoever and in such case no bidder/ intending bidder shall have any claim arising out of such action.

**8.0** Interested parties are required to get registered with M/s ISN Electronic Tender Services (ETS) website <https://www.bharat-electronictender.com> (if not already registered).

## INVITATION FOR BIDS

The cost of the bidding documents as mentioned above is required to be submitted in the form of a crossed account Payee Demand Draft in favour of “**GREEN VALLEY RENEWABLE ENERGY LIMITED**”, Payable at **Noida** at the address mentioned at para no.11.0 below along with GSTIN and Organization ID registered with ETS. Interested Bidders can also pay for the cost of documents as mentioned above in the form of Electronic transfer/ NEFT Payments in the following account details of **GVREL**:

Account Number	<b>922020050283854</b>
IFSC Code	<b>UTIB0000022</b>
Name of Bank	<b>Axis Bank</b>
Branch Code	<b>000022</b>
Address	<b>B-2 &amp; B-3, Sector 16, Noida, U.P. – 201301</b>

In case of electronic fund transfer, the bidder shall be required to forward the copy of transfer receipt/ electronic transfer receipt from their registered E-mail ID to the concerned nodal officers of NTPC REL as mentioned below requesting for access for download of the bidding documents in working hours between Monday to Friday.

While carrying out online transfer, Bidders shall ensure to enter “Tender No. - Bidder Name” in the Text / Remarks / Reason field. Bidder shall intimate the details of same through email to Employer and also upload the details on ETS portal (Technical Bid Part) in the following format:

### Declaration for Payment of Cost of Bidding Document

Tender Search Code:  
Bidder Name:  
UTR Reference:  
Amount:  
Date of Transfer:  
Transferor Bank:

(Signature of Bidder with Seal)

- 8.1** After registration with ETS and payment of the cost of bidding documents as above, a complete set of Bidding Documents may be downloaded by any interested Bidder from ETS Portal <https://www.bharat-electronictender.com> with Tender Search Code **NTPCREL-2023-TN000001**

Interested bidders are required to ensure that they have downloaded the official copy of bidding documents against Tender Search code- **NTPCREL-2023-TN000001** from website of ETS before closure of Bid Sale Period. If only free copy of Bidding Documents are downloaded from ETS portal or Bidding Documents are downloaded without confirmation or without generating official copy serial number, then the bidders will not be able to submit the bids.

For technical assistance, interested parties may call ETS Helpdesk at 0124-4229071, 0124-4229072.

## INVITATION FOR BIDS

- 8.2** Issuance of Bid Documents to any Bidder shall not construe that such Bidder is considered to be qualified. Bids shall be submitted online. Bidder shall furnish Bid Security, Pass Phrase, and Power of Attorney separately offline as detailed in Bidding Documents before the stipulated bid submission closing date and time at the address given below.

**Note: No hard copy of Bidding Documents shall be issued.**

- 9.0** Transfer of Bidding Documents purchased by one intending Bidder to another is not permissible.

- 10.0** Any 'Bidder from a country which shares a land border with India', as specified in the Bidding Documents, will be eligible to bid in this tender only if bidder is registered with the Competent Authority as mentioned in the Bidding Documents.

*However, the said requirement of registration will not apply to bidders from those countries (even if sharing a land border with India) to which the Government of India has extended lines of credit or in which the Government of India is engaged in development projects.*

### **11.0 ADDRESS FOR COMMUNICATION**

Addl. General Manager (CS) / Senior Manager (CS)  
Contracts Services  
NTPC Renewable Energy Limited  
4th Floor, NETRA Building  
E-3, Ecotech-II, Udyog Vihar, Greater Noida  
Gautam Budh Nagar, Uttar Pradesh, India, Pin – 201306

Telephone No. +91-9650992395

E-Mail: [shailendra@ntpc.co.in](mailto:shailendra@ntpc.co.in) / [kunalprasad@ntpc.co.in](mailto:kunalprasad@ntpc.co.in)

Corporate Identification Number (NTPC REL): U40107DL2020GOI371032, Website: [www.ntpcrel.co.in](http://www.ntpcrel.co.in)

Corporate Identification Number (GVREL): U40100DL2022GOI403638

**BRIEF SCOPE OF WORK FOR POWER EVACUATION PACKAGE-II UNDER DEVELOPMENT OF 755MW GVREL SOLAR PARK AT TILAIYA AND PANCHET RESORVOIR, DVC.**

The scope includes the following:

1. **Park Pooling Station-I (220kV):** -

- I. Design, Engineering, Supply, Erection, Testing & Commissioning of
  - a. 220 kV GIS Park Pooling Station-I (04 GIS Bays) with 03 nos. 160MVA, 220/33-33kV Tie Transformer with GIS Building and associated SAS and Protection.
  - b. 33 kV Pooling Switchgear of 285 MVA Capacity.
  - c. 220kV AIS Bay at Koderma thermal Station switchyard.
- II. Installation of Common Power Plant Controller and Grid Compliance Study for Solar plants associated with above Park Pooling Substation-I.

2. **Park Pooling Station-III (220kV):** -

- I. Design, Engineering, Supply, Erection, Testing & Commissioning of
    - a. 220 kV GIS Park Pooling Station-III (02 GIS Bays) with 01 nos. 160MVA, 220/33-33kV Tie Transformer with GIS Building and associated SAS and Protection.
    - b. 33 kV Pooling Switchgear of 160 MVA Capacity.
    - c. 220kV AIS Bay at Koderma thermal Station switchyard.
  - II. Installation of Common Power Plant Controller and Grid Compliance Study for Solar plants associated with above Park Pooling Substation-III.
- 3. Development of 220kV Transmission Lines from Park Pooling Station-I and Park Pooling Station-III to Koderma Thermal Power Station including ROW.
  - 4. Development of 33kV Transmission Lines from Park Pooling Station-I and Park Pooling Station-III to designated points near respective reservoir including ROW.
  - 5. Supply and Installation of various Monitoring and Testing Equipment/kit associated with GIS substation/Tie Transformer.
  - 6. Supply of Mandatory Spare.
  - 7. Supply and Installation of one Spare 160MVA,220/33/33kV Power Transformer.