

**एन एच पी सी लिमिटेड  
NHPC LIMITED  
(भारत सरकार का उद्भम)  
(A GOVT. OF INDIA ENTERPRISE)**



**तीस्ता-V पावर स्टेशन  
Teesta-V Power Station, Balutar**

**REQUEST FOR PROPOSAL (RFP)**

**Name of work: Request for technical and commercial proposal for “Insurance of the work “Supply, Erection, Testing & Commissioning of 420 KV GIS, 400 KV Outdoor Pothead Yard, 400 KV XLPE Cables and associated accessories for Teesta V Power station””.**



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 (भारत सरकार का उद्यम)  
 (A Govt. of India Enterprise)  
**तीस्ता V पावर स्टेशन**  
**Teesta V Power Station**  
**सिंगतम, पूर्वीसिक्किम- 737134**  
**Singtam, East Sikkim- 737134.**



IS/ISO 9001 IS/ISO 14001 IS 18001  
 आई एम एस प्रमाणित पावर स्टेशन  
 IMS certified Power Station  
 दूरभाष/Ph: 03592-247349  
 फ़ैक्स/Fax: 03592-247227/349  
 Email: teestav-contract@nhpc.nic.in  
 CIN No. L40101HR1975GOI032564

NH/TSV/Cont/EC-158/NIT-994/2024-25/449

Dated: 04/02/2025

### REQUEST FOR PROPOSAL (RFP)

- Online Request for technical and commercial proposal (RFP) from eligible **Sole Bidders** for the work of “Insurance of the work “Supply, Erection, Testing & Commissioning of 420 KV GIS, 400 KV Outdoor Pothead Yard, 400 KV XLPE Cables and associated accessories for Teesta V Power station”.”

A. Brief details of the tender:		
Sl. No.	Item	Description
i)	Mode of tendering	e-Procurement System Cover-I: Online Techno-Commercial Bid and price bid
ii)	Tender ID No.	2025_NHPC_847485_1
iii)	Tender reference No.	NH/TSV/Cont/EC-158/NIT-994/2024-25/449 Dated: 04/02/2025
iv)	Period of Bid Validity	120 days
v)	Tender inviting Authority	Dy. General Manager (Elect.) Contract Division, Teesta-V Power Station, Balutar, Singtam, Distt : East Sikkim-737134 E-mail: teestav-contract@nhpc.nic.in
B. Critical dates of tender:		
vi)	Publishing Date & Time	04/02/2025 at 15:00 Hrs
vii)	Document Download Start Date & Time	04/02/2025 at 15:00 Hrs
viii)	Pre bid meeting Date & Time	Not required.
ix)	Last date of Receipt of clarification of Bid	07/02/2025 at 14:30 Hrs
x)	Bid Submission Start Date & Time	04/02/2025 at 15:00 Hrs
xi)	Online Bid Submission Closing Date & Time	11/02/2025 at 17:30 Hrs
xii)	Online Bid Opening of Technical Bid and price bid (Cover-I)	Venue: Contract Division, Teesta V Power Station, Balutar Date: 13/02/2025 Time: 16:00 Hours

2 Complete Bid Document /Tender Document can be viewed and down loaded from Central Public Procurement (CPP) Portal <https://eprocure.gov.in/eprocure/app>. The site can also be viewed through e-procurement corner of NHPC website [www.nhpcindia.com](http://www.nhpcindia.com) and CPP Portal. Any Bidder who wishes to quote for this Tender can download the Tender Document from aforesaid portal after online Bidder registration for e-tendering.

3 **COURT OF COMPETENT JURISDICTION:** Any legal action taken or proceeding initiated on any of the terms of the contract shall be only in the jurisdiction of Hon'ble High Court of Sikkim.

#### 4 Disclaimers

This RFP is neither an agreement and nor an offer by NHPC to the prospective Bidders or any other person. The purpose of this RFP is to provide interested parties with information that may be useful to them in submitting their proposals pursuant to this RFP. This RFP includes statements, which reflect various assumptions and assessments arrived in relation to the Project. This RFP document and any assumptions, assessments and statements made herein do not purport to contain all the information that each Bidder may require. The Bidder shall bear all its costs associated with or relating to the preparation and submission of proposal pursuant to this RFP. Where necessary, NHPC reserves the right to amend or supplement the information, assessment or assumptions contained in this RFP. NHPC also reserves the right to withdraw the RFP or foreclose the procurement case at any stage. The issuance of this RFP does not imply that NHPC is bound to shortlist a Bidder for the Project. NHPC also reserves the right to disqualify any Bidder should it be so necessary at any stage on grounds of National Security.

Requisite details in this regard are attached herewith as under for proposal:

- (i) Detail of Site Location.
- (ii) ~~Technical Specifications~~ & Scope of work.
- (iii) ~~Drawings.~~
- (iv) Tentative Special Conditions.
- (v) BOQ of the work for which insurance is required.
- (vi) Technical & Commercial Offer.

#### (i) **DETAIL OF SITE LOCATION:**

NHPC Ltd (A Govt. of India Navratna Enterprise), Teesta-V PS desires to do Insurance of the work "Supply, Erection, Testing & Commissioning of 420 KV GIS, 400 KV Outdoor Pothead Yard, 400 KV XLPE Cables and associated accessories for Teesta V Power station".

Teesta-V PS (510MW) is located in Gangtok District of Sikkim. The project envisages harnessing of Teesta water, between Dikchu and

Sirwani. The site location (proposed prefab KV school) is in Left Bank side, Balutar. Proper approach road is available with adequate of space available for unloading of materials for the structure.

Nearest Railway Station: - Siliguri, approximately 110 Kms from Teesta-V PS, Balutar.

Nearest Airport: - Bagdogra, approximately 110 Kms from Teesta-V PS, Balutar.

Nearest Bus Stop: - Singtam, approximately 06 Kms from Teesta-V PS, Balutar.

(ii) **~~TECHNICAL SPECIFICATIONS & SCOPE OF WORK :~~**

**Name of Work:** Insurance of the work “Supply, Erection, Testing & Commissioning of 420 KV GIS, 400 KV Outdoor Pothead Yard, 400 KV XLPE Cables and associated accessories for Teesta V Power station”.

**Name of the contract for which insurance is required:** Supply, Erection, Testing & Commissioning of 420 KV GIS, 400 KV Outdoor Pothead Yard, 400 KV XLPE Cables and associated accessories for Teesta V Power station.

**Contract value:** ₹ 1,093,700,700/-

**Completion period:** 12 months

**SCOPE OF WORK**

(a) **Erection All Risks Insurance:** Covering physical loss or damage to the Facilities at the Site, occurring prior to Completion of the Facilities, with an extended maintenance coverage for the Contractor’s liability in respect of any loss or damage occurring during the Defect Liability Period while the Contractor is on the Site for the purpose of performing its obligations during the Defect Liability Period. The policy shall be extended to Work Stoppages clause and Intermittent testing clause.

The Contractor shall assist the Employer for notification of claims, details of claims and follow-up of claims with Insurer as per the terms of EAR policy.

(b) **Third Party Liability Insurance:** Covering bodily injury or death suffered by third parties (including the employer’s personnel) and loss of or damage to property occurring in connection with the supply and installation of the Facilities. The third Party Liability and Terrorism Insurance Coverage for the items of NHPC Limited.

The Contractor shall assist the Employer for notification of claims, details of claims and follow-up of claims with Insurer as per the terms of policy

~~(iii) Drawings. :-~~

## (iv) Tentative Special Conditions

**Name of the Work-** Supply, Erection, Testing, and Commissioning of the 420 kV GIS, 400 kV Outdoor Pothead Yard, 400 kV XLPE Cables, and associated accessories for Teesta-V Power Station.

Contract value: ₹ 109,37,00,700/-

**Completion period:** 12 months from the date of issue of LOA.

### 1. Insurance Coverage Period:

i) **During Construction Period-**Period of insurance shall be equivalent to the period of contract, commencing from the date of unloading of the first batch of material at site of construction and expiry on the date of handing over of the contract work to the NHPC Limited.

ii) **During Defect Liability Period-**The insurer shall also cover the defect liability period i.e. Thirty-six (36) months from the date of issue of Completion Certificate of the respective unit bay or twenty-four (24) months from the date of issue of Taking-Over certificate of the respective unit bay whichever happens earlier.

Although it is possible to extend the policy period in case of delay in completion of contract.

**Prospective bidder shall provide their standard terms and conditions Along with their Request for Proposal (RFP) documents.**

## (v) BOQ of the work for which insurance is required:

### Bill of Quantities (BOQ)

<b>Name of Work: Supply, Erection, Testing &amp; Commissioning of 420kV GIS, 400kV Outdoor Pothead yard, 400kV XLPE Cables and associated accessories for Teesta-V Power Station.</b>			
S.No.	Description of Items	Qty	UOM
A.	<b>Supply Part:</b>		
1	Supply of Indoor metal-enclosed phase isolated type double bus SF <sub>6</sub> Gas Insulated Switchgear (GIS) system rated for 420 kV, 2000A, 3 phases, 50 Hz and having 6 nos. Circuit Breaker Bays and VTs in all the phases of each bus bars, including Gas Insulated Bus Duct (GIB) up to Pothead Yard and SF <sub>6</sub> to Air Bushings.	1	Lot
2	Supply of 400kV Outdoor Pothead Yard equipment consisting of surge arresters, capacitance voltage transformers, wave traps complete with supporting structures, galvanized gantry structures, insulators, hardware fittings, fasteners, lightning masts etc. for termination of 2 nos. transmission lines.	1	Lot
3	Supply of Ten (10) Single-phase, 400 kV copper conductor, Fibre Optic embedded XLPE cables of minimum 630 mm <sup>2</sup> for the interconnection of 9 nos. 70MVA, 13.8/400/√3 single phase Generator Transformers and 420 kV Gas Insulated Switchgear, including one spare cable, each complete with all necessary auxiliary equipment and hardware and cable sealing ends at Generator Transformer & GIS ends for terminating the cables (Approx. 4750M Length).	1	Lot
4	Supply of One (1) no. 10 metric tons Electric Overhead Travelling (EOT) crane complete with electric control panels both pendant and remote radio control, hoist on trolley, brakes, safety devices, platform, ladders, fittings and connections and all necessary accessories.	1	Lot

5	Supply of Two (2) nos. Diesel Generating Sets of rated capacity 910 KVA, 11kV Generating Voltage, complete with fuel system, lubrication system, cooling system, air intake and exhaust system, battery and battery charger, starting system, instruments and protection system, annunciators, coupling arrangements, auto & manual synchronizing panels etc. including Two (2) nos. day fuel tanks.	1	Lot
6	Supply of Cabling System, Fire Fighting System, Illumination System etc. required.	1	Lot
7	Supply of additional 11kV, Power & Control Cables required for relocation works.	1	Lot
B.	<b>Freight &amp; Insurance for above items at sl. no. A (1) to A (7)</b>	1	Lot
C.	<b>Erection, Testing &amp; Commissioning for above items at sl. no. A (1) to A (7)</b>	1	Lot
D.	<b>Dismantling &amp; Relocation Works:</b>		
1	Dismantling of 9 nos. 400kV XLPE Cables from existing cable boxes of Generator Transformers, their rolling (including one spare cable) onto new cable drums (to be supplied afresh) and transportation up to the designated Store of Teesta-V Power Station.	1	Lot
2	Dismantling and relocation of power, control, protection and other panels from its existing location and re- installation at the new designated location including cabling & termination works.	1	Lot



(v) **Technical & Commercial Offer:**

Name of Work: Insurance of the work “Supply, Erection, Testing & Commissioning of 420 KV GIS, 400 KV Outdoor Pothead Yard, 400 KV XLPE Cables and associated accessories for Teesta V Power station”.								
Sl. No.	Description	Unit	Qty.	Rate (₹)	GST @ .....	Rate (₹) with .....	Final Rate (₹)	Amount (₹)
1	Erection All Risks Insurance	Lot	1					
2	Third Party Liability Insurance and Terrorism Insurance Coverage	Lot	1					
Grand Total (Rs.)								
In words:								

Notes:- 1) SAC Code of BOQ Items of Contract: .....

2) Offered Rates (on RFP) should be inclusive of all taxes including applicable GST, transportation charge, local octroi & all other charges and should be quoted in manually on the above table.

(ii) Prospective bidder shall submit Company Prolife/credentials along their offer in support of their capability of offering quotation for this work.

(For & on behalf of NHPC Ltd.)

Dy. General Manager (Elect.)  
Contract Division

Teesta-V Power Station  
Email: teestav-contract@nhpc.nic.in

(Seal & Signature of Participated Firm)

## **BRIEF DESCRIPTION OF THE PROJECT**

### **1. 1.1 ABOUT SIKKIM AND TEESTA RIVER.**

Sikkim is a small and beautiful state located in the northeast Himalayas. It is one the youngest state of Indian union. It is surrounded by vast stretches of Tibetan plateau in the north, Chubi valley of Tibet and Kingdom of Bhutan in the east, Darjeeling Gorkha Hill council in the south and kingdom of Nepal in the west.

Due to prevalent cold and moderate climatic conditions with very low ambient dual level, the state presents ideal opportunity for development of high-tech industries like microelectronics and ancillary products which impose less burden on transportation facilities and earn rich dividends. However, for such developmental efforts, abundance of cheap and clean power is vital.

Sikkim is drained by a large number of perennial rivers, the prominent ones being Teesta and Ragit. The Teesta river originates from Zemu glacier and Rangit river from Talung glacier in west Sikkim which, after flowing for about 60kms, joins the Teesta river near the state border with West Bengal.

The elevation of Sikkim ranges from 300 m to 8583 m above mean sea level. It consists of lower, middle & higher hills.

### **1.2 LOCATION OF THE PROJECT**

**Nearest Railway Station :-** Siliguri, approximately 110 Kms from Teesta-V PS, Balutar.

**Nearest Airport :-** Bagdogra, approximately 110 Kms from Teesta-V PS, Balutar.

**Nearest Bus Stop :-** Singtam, approximately 06 Kms from Teesta-V PS, Balutar.

### **1.3 BRIEF DESCRIPTION OF THE PROJECT**

Teesta HE project, stage-V is located in South-East Sikkim. The project envisages harnessing of Teesta water, between Dikchu (27° 24' 00" E: 88° 31'30"N) and Sirwani (27°14'54"E: 88 29' 56"N). The scheme comprise; 95m high Concrete Gravity Dam ( located 2 Kms downstream of its confluence with Dikchu nala) 17.106 Km long HRT housed on the left bank, a 95m high, 30m dia Surge Shaft and an underground power house near Sirwani, to generate 510MW of Power, utilizing a gross head of 200m.