

**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 “Supply, Installation, Testing & Commissioning of Passenger Elevator and Dismantling of Old Elevator in the Power House of Teesta-V Power Station”.



एनएचपीसी लिमिटेड
NHPC LIMITED
 (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
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 Email: teestav-contract@nhpc.nic.in
 CIN No. L40101HR1975GOI032564

NH/TSV/Cont/EC-159/NIT-1002/2024-25/483

Dated: 19/02/2025

REQUEST FOR PROPOSAL (RFP)

- Online Request for technical and commercial proposal (RFP) from eligible **Sole Bidders** for the work of “**Supply, Installation, Testing & Commissioning of Passenger Elevator and Dismantling of Old Elevator in the Power House of 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_849894 _1
iii)	Tender reference No.	NH/TSV/Cont/EC-159/NIT-1002/2024-25/483 Dated: 19/02/2025
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	19/02/2025 at 15:00 Hrs
vii)	Document Download Start Date & Time	19/02/2025 at 15:00 Hrs
viii)	Pre bid meeting Date & Time	Not required.
ix)	Last date of Receipt of clarification of Bid	22/02/2025 at 14:30 Hrs
x)	Bid Submission Start Date & Time	19/02/2025 at 15:00 Hrs
xi)	Online Bid Submission Closing Date & Time	27/02/2025 at 17:30 Hrs
xii)	Online Bid Opening of Bid (RFP)	Venue: Contract Division, Teesta V Power Station, Balutar Date: 01/03/2025 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 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) Technical & Commercial Offer.

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

NHPC Ltd (A Govt. of India Navratna Enterprise), Teesta-V PS desires to do Supply, Installation, Testing & Commissioning of Passenger Elevator and Dismantling of Old Elevator in the Power House of 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: Supply, Installation, Testing & Commissioning of Passenger Elevator and Dismantling of Old Elevator in the Power House of Teesta-V Power Station.

TECHNICAL SPECIFICATIONS :

	TECHNICAL DATA SHEET	Offered make/ Compliance
Make:	Any reputed make	
Standard:	Conforming to IS 14665	
Type of Elevator:	PM Gearless machine in machine room located directly above lift well	
Location of Motor:	Machine room	
Capacity:	Min. 544 Kgs. [8 Persons (min.)].	
Speed:	More or less 1.0 Meter per Second	
Travel:	7 Floors- (Ground Floor + 6 Floors)	
Stops and Openings:	7 Stops and 7 Openings (All openings on the same side)	
Power supply:	3 Phase, 415 V AC, -20% to +10%, 50 Hz.	
Type of Drive :	AC Variable Voltage Variable Frequency Drive	
Control:	Simplex collective Selective without attendant.	
Door Type (Car & Landing)	Two-panel Automatic Centre opening, Stainless Steel 304 grade. Having Fire rating-120 mins.	
Door Operation:	Automatic AC/DC Door operation with adjustable Door Opening and Closing Timings	
Travel in Meters:	Approximately 30 Meter or As per site requirement (Ground+ 6 Floors).	
Car Entrance:	Centre opening Automatic Doors.	
Hoist way Entrance:	Centre Opening Automatic Doors with provision of Emergency Key Opening at all Landing with a clear opening	
Operation:	Automatic	
Indicators:	Monochrome LCD Digital Direction and Position Indicator both with braille (in Car and at all Landings.)	

Car Operating Panel & Landing Operating Panel	Full Height stainless Steel 304 grade, Face Plate having SS Segmented LCD Display and Surface mounted Brail buttons on Car operation panel (COP) and Landing operation panels (LOP).	
Door safety :	Provided with infrared full screen sensors to instantly stop the Car and landing door	
False ceiling:	Stainless steel 304 grade with Recess type LED Lights & Silent Cross Air Blower.	
Car Enclosure	Stainless Steel 304 grade with center opening and Stainless Steel Hairline finish Hand Rail.	
Level Accuracy	± 3 mm. (automatic levelling)	
Transmission	Belt / Rope	
Light Fitting	Decorative LED Fitting	
Flooring	20mm recess provided for granite/marble flooring	
ARD	Automatic rescue device (ARD) of suitable capacity.	
ERD	Emergency Rescue Device with minimum 15 minutes back up.	
Dimension of Cabin		
Length	1100 mm or considering fitment in existing Civil Structure	
Width	1300 mm or considering fitment in existing Civil Structure	
Height	2200 mm or considering fitment in existing Civil Structure	
Hoist way Dimension	1900 mm X 1900 mm	
Car Frame	MS Fabricated	
Car Entrance Size (mm)	800 mm (W) X 2000 mm (H)	

ADDITIONAL FEATURES FOR LIFTS

Features Included	1. ACVVVF closed loop drive
	2. Alarm button in car operating panel with battery back-up
	3. Automatic operation for car fan
	4. Adjustable door open time
	5. Axial fan in car for ventilation
	6. Braille on push buttons
	7. Door open and door close buttons in car operating panel
	8. Emergency light
	9. Full load by-pass
	10. Home landing
	11. Infra-red screen for car door
	12. Intercom
	13. Motor overheat protection
	14. Overload function with audio-visual indication in car operating panel
	15. Anti-nuisance (limit number of car call when empty load)
	16. Anti-nuisance (car call cancellation at direction reversal)
	17. Jammed landing operating panel call button by-pass
	18. Phase failure and phase reversal protection
	19. Automatic rescue device in case of power failure with Audio Annunciation

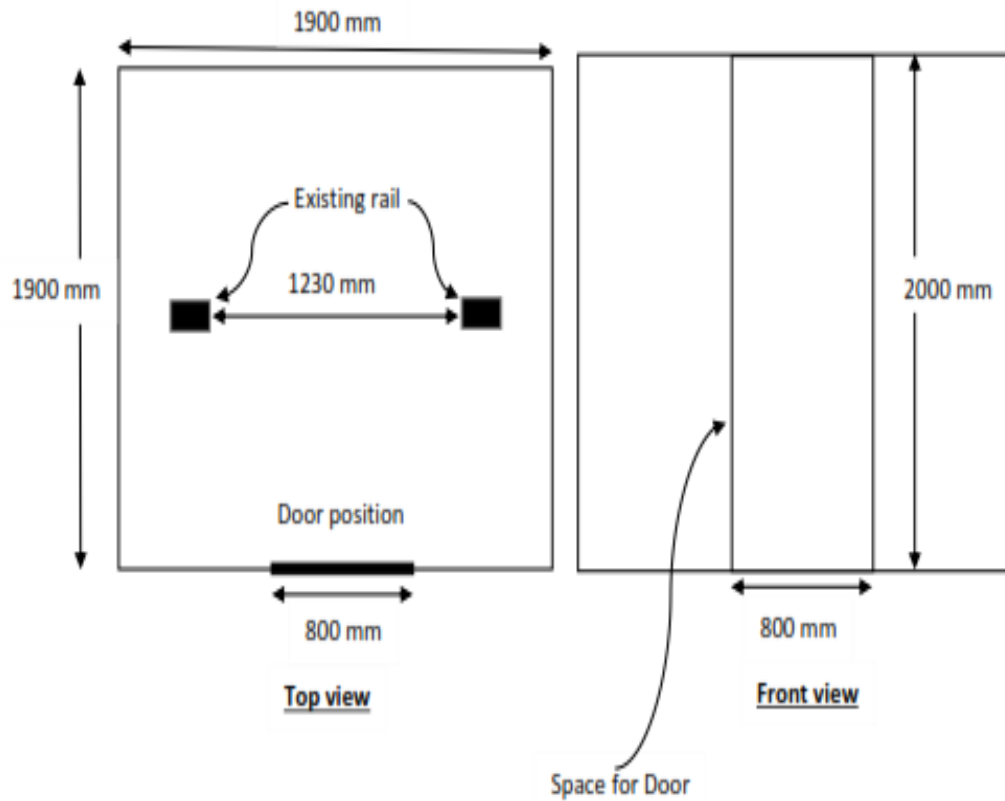
	20. Attendant control.
	23. Fireman control.
	24. Provision of additional cores in travelling cable for CCTV camera signals/music system wiring.
	25. Voice announcement unit in English/Hindi language in car.
	26. Over speed protection for preventing free fall in case lift is travelling at speed more than 10% of rated speed.

SCOPE OF WORK

1. Supply, Installation, Testing & Commissioning of Passenger Elevator having capacity as defined in BOQ and Technical Specification, at power house of Teesta-V, Balutar as per IS codes & other technical specifications and terms & conditions given hereunder.
2. Dismantling of existing Elevator installed in Power House of Teesta-V, Balutar and shifting the same to designated location (Central Store) which is located not more than 900 mtr. away.
3. Supply and fixing of wall brackets, rails etc. as required including all civil works required for installation of Elevator.
4. All scaffolding as may be necessary for Elevator installation (during erection and dismantling) work & subsequently its removal.
5. Supply & installation of landing fascia plates made of steel, car apron plates, sill support angles with necessary clamps, foundation bolts supports etc., as are necessary in connection with the installation of the Elevator.
6. Cutting and making good all damages caused during installation and restoring the same to the original finish.
7. Providing and fixing of Stainless steel sign boards/plates inside the lifts for usage instructions and lift capacity as required.
8. The work shall be executed as per CPWD general specifications for Electrical Works, Part-I (Internal) & Part-III-Lifts & Escalators-2003 as per relevant IS codes & as per directions of Engineer -In-charge.
9. If required, the firm shall get the lift inspected from Electrical Inspectorate, Sikkim. The firm shall get Lift registered in favour of Teesta -V Power Station, NHPC Limited with Electrical Inspectorate, Sikkim and Certificate in this regard shall be submitted to EIC. Lift registration fee, License fee and overhead expenses for approval of installation and completion certificate shall be paid by Firm.

(iii) Drawings :

Drawing of Civil structure of Elevator shaft with dimension



Note: Total elevation 26.3 m (aprox.)

(iv) Tentative Special Conditions

1.0 SCOPE OF WORK:

The detailed Scope of Works is as per Annexure-A of SCC.

2.0 PROJECT LOCATION:

NHPC Limited, Teesta-V Power Station, Sikkim, India. The Power Station is located near Singtam, East Sikkim. An all-weather highway from Siliguri / NJP connects the project via NH having a distance of approx. 100 KM. The Power Station is also connected with all-weather road with Kolkata Port and is approximately 750 KM from Kolkata.

3.0 NAME & ADDRESS OF CONSIGNEE:

Group Sr. Manager (Civil), Central Store,
Teesta-V Power Station, Balutar,
P.O. Singtam, East Sikkim - 737134.

4.0 PAYING AUTHORITY:

Dy. General Manager (Fin.),
Teesta-V Power Station, Balutar,
P.O. Singtam, East Sikkim-737134.

5.0 ENGINEER-IN CHARGE:

Shall be nominated at the time of award of work.

6.0 PRICES:

Prices shall be Firm and on F.O.R destination basis NHPC Limited, Teesta-V Power Station, Balutar, Singtam, East Sikkim – 737134 (India). Transportation & Insurance Charges and all Taxes & Duties up to Teesta-V PS shall be in the scope of the contractor. Transit insurance shall be the responsibility of the contractor.

7.0 COMPLETION PERIOD:

The material shall be delivered at Power House, NHPC Limited, Teesta-V Power Station, Balutar, Singtam, East Sikkim – 737134 (India) within 120 (One Hundred Twenty) days from the date of issue of the supply order which includes approval of drawing.

Installation, testing and commissioning shall be completed within 60(Sixty) days from the date of receipt of the materials at site. However a mobilization period of 7 (seven) days for installation of the elevator shall be allowed.

8.0 WARRANTY:

The warranty for Products shall expire one (1) year from the date of installation & commissioning or eighteen (18) months from delivery, whichever occurs first.

9.0 DRAWINGS:

Within 15 (fifteen) days of issue of LOA, the contractor shall submit the drawing of the Elevator, Data manuals, detailed technical literature complete in all respect for approval before manufacturing/ supply of the Elevator. NHPC will approve the drawing within one week of receipt of the draft drawing from the contractor.

10.0 OBTAINING APPROVAL:

The contractor shall be solely responsible for getting necessary approvals/clearances of drawings, NOC's, License and Certificates, etc. from concerned competent authorities regarding installations of Elevator/lifts if necessary. All the expenses, fees, etc. involved shall be borne by the contractor.

11.0 COMPLETENESS OF OFFER:

In case of any item not given in the Technical Specifications and the same is required essentially for proper functioning of the equipment, it should be included in the offer so as to make the offer complete in all respect. No claim for the extra payment shall be entertained on the plea that the equipment specifications were not complete in all respect. The Technical Specification mentioned are mainly for identification of the correct components and may not be complete in all respects. As such, all the equipment to be supplied under the contract shall strictly confirm to the specification and other relevant standards.

12.0 INSPECTION & TESTING:

Post-delivery joint inspection of the items shall be carried out at NHPC Limited Teesta-V Power Station. The supplier shall depute their representative to Teesta-V Power Station, for joint inspection. The cost of deputation of representative shall be included in the contract price and no additional expenses shall be admissible for this purpose.

13.0 RESPONSIBILITIES & LIABILITIES:

- (i) The contractor or his authorized experienced supervisor will come regularly to the site to ensure that the work is being performed by following all rules, regulations and acts as specified in the document. Besides above, necessary co-ordination, taking instructions from department and supervision of the work shall also be the responsibility of the contractor.
- (ii) The deployment of proper manpower should be the responsibility of the contractor.
- (iii) The contractor shall keep the corporation harmless against all actions, suits, claims, demands, costs or expense arising in connection with injuries suffered by his workmen and shall settle all such claims directly under Workman Compensation Act, 1923.
- (iv) Cutting and making good all damages caused during installation and restoring the same to their original finish.
- (v) Complete Supply, Installation, Testing & Commissioning shall be carried out by the contractor.

14.0 PAYMENT TERMS:

- (i) 70% payment along with 100% taxes & duties shall be released after initial inspection, receipt and verification of materials / goods at site upon production of following documents including Performance Security and its acceptance thereof.
 - a) GST Invoice in Triplicate along with detailed packing list.
 - b) Warrantee Certificate.
 - c) E-bay bill.
 - d) Transit insurance (if any).
 - e) Submission of Performance Security and acceptance thereof.
 - f) Test Certificates.
- (ii) The balance 30% payment of material cost and 100% payment of the remaining items for shall be released against successful installation at site (asper scope of works), after final testing & commissioning, Registration of elevator / Lifts (if any) with electrical Inspectorate & handing over to department.

(v) Technical & Commercial Offer:

Name of Work: Supply, Installation, Testing & Commissioning of Passenger Elevator and Dismantling of Old Elevator in the Power House of Teesta-V Power Station.								
Sl. No.	Description	Unit	Qty.	Rate (₹)	GST @	Rate (₹) with	Final Rate (₹)	Amount (₹)
A	Supply of Passenger Elevator							
1	Supply of Passenger Elevator, Capacity-8 Persons/544Kg, Rated Speed (at Rated Load) - 1.0 meter/ Sec, Lifting Height 30 meters (approx.), with 7 stops and 7 landings, inclding all Accessories as required.	Lot	1					
B	Installation, Testing & Commissioning and Dismantling of Passenger Elevator							
1	Installation, Testing & Commissioning of Passenger Elevator, including all civil works such as fixing of brackets and railing, shuttering etc. as required.	Lot	1					
2	Dismantling of OLD Elevator and shifting the same to designated location (Central Store) which is located not more than 900 mtr. away	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.