



एनएचपीसी लिमिटेड
NHPC LIMITED
(भारत सरकार का उद्यम)
(A Govt. of India Enterprise)
तीस्ता V पावर स्टेशन
Teesta V Power Station
सिंगतम, पूर्वी सिक्किम - 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
फैक्स/Fax: 03592-247227/349

Ref No. NH/TSV/Cont/EC-151/NIT-918/2024-25/75

Dated: 19-06-2024

Corrigendum-I


Please refer to Tender invited vide NIT No.: **NH/TSV/Cont/EC-151/NIT-918/2024-25/69**
Dated: 13/06/2024 (Tender ID: **2024_NHPC_811770_1**) for the work of **"Dry ice Cryogenic cleaning of Stator & painting on Stator"** in which some modifications have been done in technical bid documents at Annexure-I of Section-VI (SCC) of Tender Documents i.e. **'Scope of Work'**. Details of Modification has been attached herewith as Annexure-A.

Further, footer note at Tender Documents (Ref. Page No. 51-128) shall be read as ***'Tender Documents of "Dry ice Cryogenic cleaning of Stator & painting on Stator"'***.

Further, the consolidated Reply of employer (NHPC Ltd.) on Techno-Commercial queries (from the prospective bidder) has been attached herewith as Annexure-B.

All other terms & conditions of Tender Documents shall remain unchanged.

For & On behalf of NHPC Limited.


Dy. General Manager (Elect.)
Contract Division
Teesta – V Power Station



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Annexure-A

Annexure-I of Section-VI (SCC) of Tender Documents i.e. 'Scope of Work' (Ref. Page No. 163 of Tender Documents) has been modified as under:

Annexure-I of SCC

Scope of Work

Subject: **Dry ice Cryogenic cleaning of Stator & painting on Stator.**

On-site Cryogenic Cleaning of Stator & Painting on stator winding portion of Generating All Units of Teesta-V Power Station includes following:

- Initial blowing off the windings, with clean, dry compressed air.
- Site preparation for Cryogenic cleaning of the stator and rotor assembly in assembled conditions.
- Cleaning of winding with de-moisturized Dry ice, with cryogenic methods. All accessible areas/components / ventilating ducts/ peripheral components etc. shall be attended meticulously.
- Heating of complete stator assembly by installing blowers and putting under hot-air treatment.
- Cooling of complete stator assembly to eliminate surface condensation.
- Painting of first-bend areas of the stator bars with stress-grading paints suitable for class F insulation, to reduce the surface discharges and the overall partial discharge activity of the winding.
- For cryogenic (dry-ice) cleaning of stator-core, two diametrically opposite poles shall be removed by NHPC. Using the available space after opening of one pair poles, the cryogenic cleaning work shall be done part-by-part (i.e. segment wise) by the contractor. After completion of one segment cleaning, shaft shall be rotated by NHPC for next segment cleaning

Support that will be provided by NHPC at the work place during execution of the work:

- Electrical power supply of Three Phase 415 Volt and Single Phase 240 V.
- Good Illumination facilities.



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- Dry Compressed air: 5-6 Bar (Service Air Pressure Point only). Hoses from available pressure point to work-place shall be in the scope of contractor.
- The work area being confined atmosphere, suitable facilities for fresh and good air circulation.
- Secured place for machines tools & tackles close to work area.
- EOT Crane facility within Power House shall be provided as and when needed.
- Dismantling and re-assembly of various components (shroud-covers, rotor-poles etc.) of Turbine Generator, rotation of Shaft and associated works for smooth execution of work.
- Available scaffolding in Power House.



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Annexure-B

SL. N.	Tender Reference	Tender Description	Pre-Bid query (Techno-Commercial) received	Reply of NHPC LTD.
1	Annexure-I of Section-VI (SCC) of Tender Documents i.e. 'Scope of Work'	<p>Subject: Supply, Installation, Testing and commissioning of Horizontal centrifugal axially split case pump with suitable motor & frame and Starter cum control panel, Main switch, Cables with mandatory spares and Pipeline with accessories for HVAC system of Teesta V Power Station.</p> <p>The scope of work for the work "<i>cryogenic cleaning of stator winding and core of all units of Teesta V Power Station, Sikkim</i>" shall be as follow:</p> <ol style="list-style-type: none"> 1. Cryogenic cleaning of stator Winding and Core, Single unit in assembled condition. 2. Heating of the Stator with Hot Air Blowers. 3. Apply of high quality /recommended insulated anti tracking epoxy based red oxide paint on windings if necessary. 	Subject showing as above, supply installation, testing and comm etc. whereas scope is mentioned for cryogenic cleaning (DRYICE cleaning), if It is only dry ice cleaning and varnishing.	Scope of work including the name of work has been modified and attached at Annexure-A. The Scope of work involves cryogenic cleaning (Dry ice cleaning) and varnishing.



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		(Make-Dr. Becks)		
2	Section-VIII of Tender Documents	Technical Specifications of Units	There are 3 units to clean whether the specification is the same for all 3 units ?.	Yes