



TECHNICAL SPECIFICATION  
NATURAL DRAFT COOLING TOWER  
1 X 800 MW HPGCL YAMUNA NAGAR EXPANSION UNIT

PE-TS-510-165-W001

Rev. No. 01

Date : 20.08.2025

**PRE QUALIFICATION REQUIREMENT (TECHNICAL)**



PRE-QUALIFYING REQUIREMENTS  
(TECHNICAL)  
NATURAL DRAFT COOLING TOWER  
(NDCT)

DOC NO: PE-TS-510-165-W001

REV NO: 01 DATE: 05.09.2025

SHEET: 1 of 2

ENQUIRY NO.:

PROJECT: 1 X 800 MW HPGCL DCRTTP YAMUNA NAGAR

1.0 to 4.4.1 BLANK

4.4.2 Natural Draught Cooling Tower

4.4.2.1 Bidder should have designed, constructed and commissioned at least one (1) number Natural Draught Cooling Tower (NDCT) in RCC Construction with cooling water flow not less than 25,000 m<sup>3</sup>/hr which should have been in successful operation for at least one (1) year as on 20/03/2025.

4.4.2.2 In case the reference NDCT has been designed by a party other than the bidder, the bidder shall collaborate with a design agency, which has independently designed a NDCT of capacity not less than 25,000m<sup>3</sup>/hr in RCC construction and which should have been in successful operation for at least one (1) year as on 20/03/2025.

For Clause 4.4.2.2, the Bidder shall be required to furnish a Deed of Joint Undertaking (DJU) jointly executed by the Bidder and the Collaborator/ Associate and each executant of DJU shall be jointly and severally liable to the Owner for successful performance of the relevant system, as per the format to be provided at the time of placement of order. The Deed of Joint Undertaking (DJU) should be submitted at the time of placement of order on approved vendor. In such a case, the Collaborator/Associate shall be required to furnish an on-demand bank guarantee of INR 10 Million (Rupees Ten Million) for the Collaborator/ Associate of Natural Draught Cooling Tower.

OR

4.4.2.3 Bidder who does not meet the requirements under clauses 4.4.2.1 & 4.4.2.2, can also participate in collaboration/association with a firm who fully meets the requirements at clauses 4.4.2.1 & 4.4.2.2, provided the Bidder has executed projects involving RCC works of tall structures of minimum height of 100m using slip/jump form shuttering.

In such a case, the Bidder shall be required to furnish a Deed of Joint Undertaking executed by the Bidder and its Collaborator/Associate for the successful performance of Cooling Tower, as per the format to be provided at the time of placement of order. The Deed of Joint Undertaking (DJU) shall be submitted before placement of order. In case of award, Bidder and Collaborator/Associate shall each be required to furnish an on-demand bank guarantee for INR 65 million (Sixty-Five Million only) in addition to the contract performance security to be furnished by the bidder.

General notes of the PQR are as under:

1. Bidder to submit supporting documents in English. If documents submitted by bidder are in language other than English, a self-attested English translated document should also be submitted.

**PREPARED BY:**

**NAME:**  
**DESIGNATION / DEPT.:**

**REVIEWED BY:**

**NAME:**  
**DESIGNATION / DEPT.:**

**APPROVED BY:**

**NAME:**  
**DESIGNATION / DEPT.:**



PRE-QUALIFYING REQUIREMENTS  
(TECHNICAL)  
NATURAL DRAFT COOLING TOWER  
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2. Notwithstanding anything stated above, BHEL/Customer reserves the right to assess the capabilities and capacity of the bidder to perform the contract, should the circumstances warrant such assessment in overall interest of BHEL/Customer.
3. Consideration of offer shall be subject to customer's approval of bidder.
4. After satisfactory fulfilment of all the above criteria/ requirement, offer shall be considered for further evaluation as per NIT and all other terms of the tender.

**PREPARED BY:**

**NAME:  
DESIGNATION / DEPT.:**

**REVIEWED BY:**

**NAME:  
DESIGNATION / DEPT.:**

**APPROVED BY:**

**NAME:  
DESIGNATION / DEPT.:**