




TECHNICAL SPECIFICATION  
INDUCED DRAFT COOLING TOWER  
1 X 800 MW NTPC SIPAT STPP Stage-III

PE-TS-520-165-W001

Rev. No. 00

Date : 05/11/2024

**PRE QUALIFICATION REQUIREMENT (TECHNICAL)**

	<p align="center"><b>PRE-QUALIFYING REQUIREMENTS (TECHNICAL)</b></p> <p align="center"><b>INDUCED DRFT COOLING TOWER (IDCT)</b></p>	DOC NO: PE-TS-520-165-W001
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ENQUIRY NO.:		
PROJECT: 1 X 800 MW NTPC SIPAT STPP Stage-III		
<p>The Bidder should meet the qualifying requirements of any one of the qualifying routes stipulated under clause 4.3.1 or 4.3.2 or 4.3.3.</p> <p>4.3.1 The bidder should have designed, constructed and commissioned at least one (01) number Induced Draught Cooling Tower in RCC or Pultruded Fiberglass Reinforced Plastic (FRP) Construction of capacity not less than 13000 m3/hr which should have been in successful operation for at least one (1) year as on 10.07.2024.</p> <p>In case the reference cooling tower was designed by a party other than the Bidder, the Bidder shall employ a cooling tower Design Agency, who has independently designed an Induced Draught Cooling Tower of same type as being offered of capacity not less than 13,000 m3/hr in RCC or Pultruded Fiberglass Reinforced Plastic (FRP) construction and which should have been in successful operation for at least one (1) year as on 10.07.2024.</p> <p>Further, if such design agency has not carried out the engineering activities by itself in respect of the system of the reference installation against which the design agency is seeking the qualification, then the engineering of the package shall be carried out by an Engineering firm who should have engineered an Induced Draught Cooling Tower of same type &amp; construction as being offered of capacity not less than 13,000 m3/hr in RCC or Pultruded Fiberglass Reinforced Plastic (FRP) construction and which should have been in successful operation for at least one(1) year as on 10.07.2024.</p> <p>In such a case, the Bidder shall be required to furnish a letter of technical support from the Cooling Tower Design agency and Engineering firm (as applicable) for successful performance of Cooling Tower system, as per the format enclosed in the bidding document. This letter of technical support should be submitted prior to the placement of order on approved bidder.</p> <p>OR</p> <p>4.3.2 The Bidder should be a wholly or partially (with minimum 51% holding) held Indian subsidiary of a firm who in turn meets the requirements of clause 4.3.1 above. Further, the Bidder on its own or along with its holding company should have executed / be executing at least one contract involving design, construction and commissioning of at least one (1) number Induced Draft Cooling Tower in RCC / Pultruded Fiberglass Reinforced Plastic (FRP) Construction of capacity not less than 6500 m3/hr.</p> <p>In such a case, the Bidder should furnish a letter of technical support from Holding Company (i.e. the firm meeting requirements of clause 4.3.1 above) for successful performance of the Cooling Tower as per the format enclosed in the bidding document. This letter of technical support should be submitted prior to the placement of order on approved bidder.</p> <p>OR</p>		

<b>PREPARED BY:</b>  <b>NAME:</b> <b>DESIGNATION / DEPT.:</b>	<b>REVIEWED BY:</b>  <b>NAME:</b> <b>DESIGNATION / DEPT.:</b>	<b>APPROVED BY:</b>  <b>NAME:</b> <b>DESIGNATION / DEPT.:</b>
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**PRE-QUALIFYING REQUIREMENTS  
(TECHNICAL)  
INDUCED DRFT COOLING TOWER  
(IDCT)**

DOC NO: PE-TS-520-165-W001

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4.3.3 The Bidder who has independently constructed RCC cooling towers of capacity not less than 13,000 Cu.M/Hr can also participate along with its Holding company / Subsidiary / Collaborator / Associate who in turn meets the requirements of clause 4.3.1 above.

In such a case, the Bidder shall be required to furnish a Deed of Joint Undertaking executed by the Bidder and it's Holding company / Subsidiary / Collaborator / Associate for the successful performance of Cooling Tower, as per the format enclosed with the bidding documents. The Deed of Joint Undertaking (DJU) shall be submitted along with bid/offer. In case of award, Bidder and it's Holding company / Subsidiary / Collaborator / Associate shall each be required to furnish an on-demand bank guarantee for INR 24 million (Twenty-Four Million only) in addition to the contract performance security to be furnished by the bidder.

General notes of the PQR are as under:

1. The Bidder should offer only the same type i.e. counter flow or cross flow and of the same construction type i.e. RCC construction or FRP construction of Cooling Towers for which the bidder / Holding Company / Subsidiary / Collaborator / Associate (i.e., the firm meeting requirements of clause 4.3.1 above) is qualified.
2. 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.
3. 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.
4. Consideration of offer shall be subject to customer's approval of bidder.
5. 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.:**