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| FORM NO. PEM 6100-0 |    | <b>PRE-QUALIFYING<br/>REQUIREMENTS (TECHNICAL)<br/>– INDUCED DRAFT FRP<br/>COOLING TOWER</b> | DOCUMENT NO: PE-PQ-483-165-N001      |  |
|                     |   |  | REVISION NO: 00      DATE:25/08/2021 |  |
|                     |   |  | SHEET: 1 of 2                        |  |
|                     |   |  |                                      |  |
|                     | ENQUIRY NO.:  |  |                                      |  |
|                     | PROJECT: 2X500 MW NTPL TUTICORIN FGD  |  |                                      |  |
|                     | TECH. SPECIFICATION NO: PE-TS-440/441/483-165-N001 (REV-00)   |  |                                      |  |
|                     | PACKAGE: Induced Draft Fibre Reinforced Plastic (FRP) – Cooling Tower   |  |                                      |  |
|                     | <p>1. The bidder should have designed, manufactured, tested, inspected &amp; supplied the Induced draft FRP-Cooling Tower of cross-flow/counter-flow design with minimum flow of 75 Cum/hr, which have been successfully in use for at least 1 year in thermal power plant or similar industry/ application and bidder is in business of Induced draft FRP-Cooling Tower on continuous basis.</p>   |  |                                      |  |
|                     | <p>2. The Bidders shall furnish following support documents for assessment of Bidder w.r.t. PQR as indicated at Sl. No. 1 above:</p> <p>A. Bidder's Experience list of Induced draft FRP-Cooling Tower for last 5 years (as on the enquiry/NIT date) for assessment of bidder for supplying the Induced draft FRP-Cooling Tower on regular basis for establishing business continuity in enclosed format- Annexure-1.</p> <p>Bidder shall furnish the PO copy of at least one executed Contract as indicated in the experience list.</p> <p>B. Bidder shall furnish any one from below in support of successful performance of Induced draft FRP-Cooling Tower for one year:</p> <p>i. Satisfactory Performance feedback certificates from End Customer (Owner) (in English) for at least one successfully executed contract which has been in use for at least One year indicating salient features like year of commissioning of Induced draft FRP-Cooling Tower, rating of project, flow of Induced draft FRP-Cooling Tower, project name etc., date of issue of certificate and name/ designation of the certificate issuer for power plant/similar application industry. Refer Notes(N1) below also. The time duration of satisfactory performance completion should be before the date of subject enquiry/NIT.</p> <p style="text-align: center;">OR</p> <p>ii. The bidder has been awarded One repeat contract for Induced draft FRP-Cooling Tower from End Customer (Owner) / Purchaser (in English) for power plant/similar application industry. Repeat contract shall be considered when the second contract is given by the same purchaser/ owner after lapse of minimum 1 year from execution (viz. commissioning) of first contract. Supporting documents for execution of the first contract like commissioning report or PG test report along with the PO Copy to be furnished, if bidder intends to submit the documents for Repeat Contracts. The date of repeat contract order should not be later than the date of subject enquiry/NIT.</p> |  |                                      |  |
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|  | <b>PRE-QUALIFYING<br/>REQUIREMENTS (TECHNICAL)<br/>– INDUCED DRAFT FRP<br/>COOLING TOWER</b> | DOCUMENT NO: PE-PQ-483-165-N001      |
|   |  | REVISION NO: 00      DATE:25/08/2021 |
|   |  | SHEET: 2 of 2                        |

**Notes:-**

N1 - Purchase order copy, supporting drgs/technical data sheets etc. are to be submitted along with the bid for which the bidder intends to furnish the performance feedbacks / repeat contracts for reference purpose only.

Any additional document required in support of above documents to establish the correlation between the above documents and the supplied item shall be provided by the bidder.


3. Bidder to submit all 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.
4. Notwithstanding anything stated above, BHEL reserves the right to assess the capabilities and capacity of the bidder/collaborators to perform the contract, should the circumstances warrant such assessment in the overall interest of BHEL.
5. After satisfactory fulfilment of all the above criteria/ requirement, offer shall be considered for further evaluation as per NIT and all the other terms of the tender.

Annexure –1


**EXPERIENCE LIST****EQUIPMENT/PACKAGE:** INDUCED DRAFT FRP COOLING TOWER**Vendor:**

| SL.<br>NO. | PROJECT<br>NAME | NAME OF<br>CUSTOMER | TOWER<br>CAPACITY<br><br>Cub.M/Hr | FILL<br>TYPE | CROSS<br>FLOW OR<br>COUNTER<br>FLOW | DESIGN<br>BY | SITE<br>EXECUTION<br>BY | YEAR OF<br>COMMISSIONING | PG TEST<br>CONDUCTED<br>(YES/NO) | APPLICATION<br>/SYSTEM/<br>SERVICE | PERFORMANCE<br>FEEDBACK<br>ENCLOSED<br>(YES/NO) |
|------------|-----------------|---------------------|-----------------------------------|--------------|-------------------------------------|--------------|-------------------------|--------------------------|----------------------------------|------------------------------------|---|
|            |                 |                     |                                   |              |                                     |              |                         |                          |                                  |                                    |   |

COMPANY SEAL

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|  | <b>PRE-QUALIFYING<br/>REQUIREMENTS (TECHNICAL)<br/>– INDUCED DRAFT FRP<br/>COOLING TOWER</b>   | DOCUMENT NO: PE-TS-440-165-N001      |
|   |  | REVISION NO: 00      DATE:17/08/2021 |
|   |  | SHEET: 1 of 2                        |
| FORM NO. PEM 6100-0   | ENQUIRY NO.:   |                                      |
|   | PROJECT: 4X270 MW BHADRADRI FGD  | TECH SPEC NO: PE-TS-440-165-N001     |
|   | PACKAGE: Induced Draft Fibre Reinforced Plastic (FRP) – Cooling Tower  |                                      |
|   | <p>1. The bidder should have designed, manufactured, tested, inspected &amp; supplied the Induced draft FRP-Cooling Tower of cross-flow/counter-flow design with minimum flow of 135 Cum/hr, which have been successfully in use for at least 1 year in thermal power plant or similar industry/ application and bidder is in business of Induced draft FRP-CT on continuous basis.</p>  |                                      |
|   | <p>2. The Bidders shall furnish following support documents for assessment of Bidder w.r.t. PQR as indicated at Sl. No. 1 above:</p> <p>A. Bidder's Experience list of Induced draft FRP-CT for last 5 years (as on the enquiry/NIT date) for assessment of bidder for supplying the Induced draft FRP-CT on regular basis for establishing business continuity in enclosed format-Annexure-1.</p> <p>Bidder shall furnish the PO copy of at least one executed Contract as indicated in the experience list.</p> <p>B. Bidder shall furnish any one from below in support of successful performance of Induced draft FRP-CT for one year:</p> <p>i. Satisfactory Performance feedback certificates from End Customer (Owner) (in English) for at least one successfully executed contract which has been in use for at least One year indicating salient features like year of commissioning of Induced draft FRP-CT, rating of project, flow of Induced draft FRP-CT, project name etc., date of issue of certificate and name/ designation of the certificate issuer for power plant/similar application industry. Refer Notes(N1) below also. The time duration of satisfactory performance completion should be before the date of subject enquiry/NIT.</p> <p style="text-align: center;">OR</p> <p>ii. The bidder has been awarded One repeat contract for Induced draft FRP-CT from End Customer (Owner) / Purchaser (in English) for power plant/similar application industry. Repeat contract shall be considered when the second contract is given by the same purchaser/ owner after lapse of minimum 1 year from execution (viz. commissioning) of first contract. Supporting documents for execution of the first contract like commissioning report or PG test report along with the PO Copy to be furnished, if bidder intends to submit the documents for Repeat Contracts. The date of repeat contract order should not be later than the date of subject enquiry/NIT.</p> |                                      |

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|  | <b>PRE-QUALIFYING<br/>REQUIREMENTS (TECHNICAL)<br/>– INDUCED DRAFT FRP<br/>COOLING TOWER</b> | DOCUMENT NO: PE-TS-440-165-N001      |
|   |  | REVISION NO: 00      DATE:17/08/2021 |
|   |  | SHEET: 2 of 2                        |

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|  | <b>Notes:-</b>  |
|  | <p>N1 - Purchase order copy, supporting drgs/technical data sheets etc. are to be submitted along with the bid for which the bidder intends to furnish the performance feedbacks / repeat contracts for reference purpose only.</p>                     |
|  | <p>Any additional document required in support of above documents to establish the correlation between the above documents and the supplied item shall be provided by the bidder.</p>   |
|  | <p>3. Bidder to submit all 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.</p>  |
|  | <p>4. Notwithstanding anything stated above, BHEL reserves the right to assess the capabilities and capacity of the bidder/collaborators to perform the contract, should the circumstances warrant such assessment in the overall interest of BHEL.</p> |
|  | <p>5. After satisfactory fulfilment of all the above criteria/ requirement, offer shall be considered for further evaluation as per NIT and all the other terms of the tender.</p>  |

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Annexure –1


EXPERIENCE LIST

EQUIPMENT/PACKAGE: INDUCED DRAFT FRP COOLING TOWER


Vendor:

| SL. NO. | PROJECT NAME | NAME OF CUSTOMER | TOWER CAPACITY<br>CubM/Hr | FILL TYPE | CROSS FLOW OR COUNTER FLOW | DESIGN BY | SITE EXECUTION BY | YEAR OF COMMNG | PG TEST CONDUCTED | APPLICATION | PERFORMANCE FEEDBACK ENCLOSED (YES/NO) |
|---------|--------------|------------------|---------------------------|-----------|----------------------------|-----------|-------------------|----------------|-------------------|-------------|--|
|         |              |                  |                           |           |                            |           |                   |                |                   |             |  |



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| FORM NO. PEM 6100-0  |  | <b>PRE-QUALIFYING<br/>REQUIREMENTS (TECHNICAL)<br/>– INDUCED DRAFT FRP<br/>COOLING TOWER</b> | DOCUMENT NO: PE-TS-441-165-N001      |
|  |   |  | REVISION NO: 00      DATE:17/08/2021 |
|  |   |  | SHEET: 1 of 2                        |
|  | ENQUIRY NO.:  |  |                                      |
| PROJECT: 3X660 MW NKSTPP FGD   |   | TECH SPEC NO: PE-TS-441-165-N001   |                                      |
| PACKAGE: Induced Draft Fibre Reinforced Plastic (FRP) – Cooling Tower  |   |  |                                      |
| <p>1. The bidder should have designed, manufactured, tested, inspected &amp; supplied the Induced draft FRP-Cooling Tower of cross-flow/counter-flow design with minimum flow of 150 Cum/hr, which have been successfully in use for at least 1 year in thermal power plant or similar industry/ application and bidder is in business of Induced draft FRP-CT on continuous basis.</p>  |   |  |                                      |
| <p>2. The Bidders shall furnish following support documents for assessment of Bidder w.r.t. PQR as indicated at Sl. No. 1 above:</p> <p>A. Bidder's Experience list of Induced draft FRP-CT for last 5 years (as on the enquiry/NIT date) for assessment of bidder for supplying the Induced draft FRP-CT on regular basis for establishing business continuity in enclosed format-Annexure-1.</p> <p>Bidder shall furnish the PO copy of at least one executed Contract as indicated in the experience list.</p> <p>B. Bidder shall furnish any one from below in support of successful performance of Induced draft FRP-CT for one year:</p> <p>i. Satisfactory Performance feedback certificates from End Customer (Owner) (in English) for at least one successfully executed contract which has been in use for at least One year indicating salient features like year of commissioning of Induced draft FRP-CT, rating of project, flow of Induced draft FRP-CT, project name etc., date of issue of certificate and name/ designation of the certificate issuer for power plant/similar application industry. Refer Notes(N1) below also. The time duration of satisfactory performance completion should be before the date of subject enquiry/NIT.</p> <p style="text-align: center;">OR</p> <p>ii. The bidder has been awarded One repeat contract for Induced draft FRP-CT from End Customer (Owner) / Purchaser (in English) for power plant/similar application industry. Repeat contract shall be considered when the second contract is given by the same purchaser/ owner after lapse of minimum 1 year from execution (viz. commissioning) of first contract. Supporting documents for execution of the first contract like commissioning report or PG test report along with the PO Copy to be furnished, if bidder intends to submit the documents for Repeat Contracts. The date of repeat contract order should not be later than the date of subject enquiry/NIT.</p> |   |  |                                      |
| <b>Notes:-</b>   |   |  |                                      |

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|   |  | REVISION NO: 00      DATE:17/08/2021 |
|   |  | SHEET: 2 of 2                        |

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|  | <p>N1 - Purchase order copy, supporting drgs/technical data sheets etc. are to be submitted along with the bid for which the bidder intends to furnish the performance feedbacks / repeat contracts for reference purpose only.</p> <p>Any additional document required in support of above documents to establish the correlation between the above documents and the supplied item shall be provided by the bidder.</p> |
|  | <p>3. Bidder to submit all 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.</p>  |
|  | <p>4. Notwithstanding anything stated above, BHEL reserves the right to assess the capabilities and capacity of the bidder/collaborators to perform the contract, should the circumstances warrant such assessment in the overall interest of BHEL.</p>   |
|  | <p>5. After satisfactory fulfilment of all the above criteria/ requirement, offer shall be considered for further evaluation as per NIT and all the other terms of the tender.</p>  |
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Annexure –1

EXPERIENCE LIST

EQUIPMENT/PACKAGE: INDUCED DRAFT FRP COOLING TOWER

Vendor:

| SL. NO. | PROJECT NAME | NAME OF CUSTOMER | TOWER CAPACITY<br>CubM/Hr | FILL TYPE | CROSS FLOW OR COUNTER FLOW | DESIGN BY | SITE EXECUTION BY | YEAR OF COMMNG | PG TEST CONDUCTED | APPLICATION | PERFORMANCE FEEDBACK ENCLOSED (YES/NO) |
|---------|--------------|------------------|---------------------------|-----------|----------------------------|-----------|-------------------|----------------|-------------------|-------------|--|
|         |              |                  |                           |           |                            |           |                   |                |                   |             |  |

