



# COOLING TECHNOLOGY INSTITUTE

P. O. Box 681807, Houston, Texas 77268 • 3845 Cypress Creek Parkway, Ste 420, Houston, Texas 77068  
Phone: 281.583.4087 • Fax: 281.537.1721 • email: vmanser@cti.org • http://www.cti.org

October 12, 2022  
(Revision 4)

Bell Cooling Towers, Pvt., Ltd.  
136 Charmwood Plaza  
Eros Garden, Surajkund Road  
Faridabad (Haryana) 102009  
India

Subject: CTI Cooling Tower Certification for the Bell Cooling Towers, Pvt., Ltd.  
BCTI Line of Cooling Towers  
(Revision 4)

Gentlemen:

The Bell Cooling Towers, Pvt., Ltd. BCTI line of counter-flow, induced-draft, cooling towers, as described in your original application and subsequent revisions through September 29, 2022, has satisfactorily fulfilled the requirements for certification of thermal performance by the Cooling Technology Institute (CTI), as set forth in the CTI Certification Standard STD-201(21). A listing of the one-hundred-six (106) BCTI primary models currently encompassed by this certification is included with this letter for reference.

The Bell Cooling Towers, Pvt., Ltd. BCTI Line of cooling towers has been assigned and should begin to use CTI Certification Validation Number C43A-12R04 for the line of towers. You are hereby authorized and encouraged to properly display the CTI Certification Logo in all pertinent literature for the line and required to affix the CTI Certification Label to all towers comprising the line, as provided in the CTI STD-201 Certification Standard.

This CTI Certification requires the successful completion of a CTI Annual Reverification Test to remain in effect in subsequent years.

Very truly yours,

Michael G. Womack, PE  
CTI Thermal Certification Administrator



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Bell Cooling Towers, Pvt., Ltd.  
 BCTI Line of CTI Certified Cooling Towers  
 CTI Certification Validation Number C43A-12R04  
 October 12, 2022 (Revision 4)

| <b>BCTI Models below are Single Units with 1, 2, or 4 Fans/Unit</b> |                     |            |                     |            |
|---|---------------------|------------|---------------------|------------|
| <b>1 Fan Models</b>   | <b>2 Fan Models</b> |            | <b>4 Fan Models</b> |            |
| BCTI-020S   | BCTI-050S           | BCTI-080S  | BCTI-100S           | BCTI-160S  |
| BCTI-020X   | BCTI-050X           | BCTI-080X  | BCTI-100X           | BCTI-160X  |
| BCTI-020XE  | BCTI-050XE          | BCTI-080XE | BCTI-100XE          | BCTI-160XE |
| BCTI-020L   | BCTI-050L           | BCTI-080L  | BCTI-100L           | BCTI-160L  |
| BCTI-020LE  | BCTI-050L           | BCTI-080LE | BCTI-100LE          | BCTI-160LE |
|   |                     |            |                     |            |
| BCTI-030S   | BCTI-060S           | BCTI-090S  | BCTI-120S           | BCTI-180S  |
| BCTI-030X   | BCTI-060X           | BCTI-090X  | BCTI-120X           | BCTI-180X  |
| BCTI-030XE  | BCTI-060XE          | BCTI-090XE | BCTI-120XE          | BCTI-180XE |
| BCTI-030L   | BCTI-060L           | BCTI-090L  | BCTI-120L           | BCTI-180L  |
| BCTI-030LE  | BCTI-060LE          | BCTI-090LE | BCTI-120LE          | BCTI-180LE |
|   |                     |            |                     |            |
| BCTI-040S   | BCTI-070S           |            | BCTI-140S           | BCTI-200S  |
| BCTI-040X   | BCTI-070X           |            | BCTI-140X           | BCTI-200X  |
| BCTI-040XE  | BCTI-070XE          |            | BCTI-140XE          | BCTI-200XE |
| BCTI-040L   | BCTI-070L           |            | BCTI-140L           | BCTI-200L  |
| BCTI-040LE  | BCTI-070LE          |            | BCTI-140LE          | BCTI-200LE |

| <b>BCTI Models below are Higher Capacity Multi-Cell Units Proportional to Single Units</b> |            |            |            |             |
|--|------------|------------|------------|-------------|
| BCTI-240HX   | BCTI-360HX | BCTI-480HX | BCTI-640HX | BCTI-900HX  |
| BCTI-240HL   | BCTI-360HL | BCTI-480HL | BCTI-640HL | BCTI-900HL  |
|  |            |            |            |             |
| BCTI-280HX   | BCTI-400HX | BCTI-500HX | BCTI-700HX | BCTI-1000HX |
| BCTI-280HL   | BCTI-400HL | BCTI-500HL | BCTI-700HL | BCTI-1000HL |
|  |            |            |            |             |
| BCTI-300HX   | BCTI-420HX | BCTI-540HX | BCTI-720HX |             |
| BCTI-300HL   | BCTI-420HL | BCTI-540HL | BCTI-720HL |             |
|  |            |            |            |             |
| BCTI-320HX   | BCTI-450HX | BCTI-600HX | BCTI-800HX |             |
| BCTI-320HL   | BCTI-450HL | BCTI-600HL | BCTI-800HL |             |

See BCTI Footnotes on Following Page



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## Bell Cooling Towers, Pvt., Ltd. BCTI Line of CTI Certified Cooling Towers CTI Certification Validation Number C43A-12R04 October 12, 2022 (Revision 4)

### Footnotes:

#### Standard Features

- a. Direct Driven Fan Motors with Cast Aluminium Alloy Fans.  
Material of Construction of Fan Blades can be either Cast aluminum or FRP.  
Direct Driven Motors would be IP55/65 TEAO/TEFC , primarily NEW INDIA (NIEC) / HINDUSTAN made but not restricted to only them.
- b. Models ending in “S” are standard motor speed and fan diameter.  
Models ending in “X” have lower speed motors and larger fan diameters than “S” models for noise control.  
Models ending in “L” have lower speed motors and larger fan diameters than “X” models for additional noise control. Replace suffix “L” with suffix “B” for belt driven fan in place of direct-driven standard fan.  
Models ending in “XE” or “LE” denote models with larger fan motors, higher rated fan power and higher rated capacities. Replace suffix “LE” with suffix “BE” for belt-driven fan in place of direct-driven standard fan.  
Models ending in “HX” are multi-cell units with additional fans and extended overall length proportional to “X” models (Example: BCTI-360HX = two BCTI-180X)  
Models ending in “HL” are multi-cell units with additional fans and extended overall length proportional to “L” models (Example: BCTI-1000LX = five BCTI-200L)
- c. Fill media: Two layers, PVC, Pack C.10.12 – MM Aqua/Naman/Cool Deck
- d. Drift Eliminators:- One Layer PVC pack D-15 MM Aqua/ Naman/Cool Deck or Duron-C100.
- e. Stainless steel hardware
- f. Hot Dipped Galvanized External Ladder and Red Oxide Coated Black Painted Base Frame.

#### Optional features

- a. Suffix C2 indicates 2 or 4 fan units configured for two operating sections
- b. Suffix C4 indicates 4 fan units configured for four operating sections
- c. Suffix R indicates towers with RCC Basin provided instead of FRP Basin.
- d. Suffix F indicates fan with FRP blades
- e. Suffix ALIS indicates aluminum internal structural components and external louver frames
- f. Suffix ALF indicates aluminum external louver frames
- g. Suffix SIS indicates stainless steel internal structural components and external louver frames
- h. Suffix SLF indicates stainless steel external louver frames