



## COMMISSIONING CERTIFICATE

DATE: 22-04-2022.

**CUSTOMER NAME & ADDRESS**

: INDIAN IMMUNOLOGICALS LTD  
RAKSHAPURAM, GACHIBOWLI POST,  
HYDERABAD - 500032, India.

**P.O No. & Date**

: 4511003513 & 22/02/2021

**THE FOLLOWING ITEM/S IS/ARE COMMISSIONED TO YOUR SATISFACTION:**

- 1. MODEL/CAPACITY : SITS MODULAR SQUARE TYPE / 300 TR
- 2. COOLING TOWER TYPE : FRP INDUCED DRAFT COUNTER FLOW

**PARAMETERS:**

- 1. CAPACITY OF TOWER : 300TR - 2 NO'S
- 2. HOT WATER TEMPERATURE : 36°C
- 3. COLD WATER TEMPERATURE : 31°C  
(Will be checked at basin)
- 4. WET BULB TEMPERATURE : 27°C

THE ABOVE SYSTEM HAS BEEN HANDED OVER IN SATISFACTORY WORKING CONDITION.

For **SAI INDUSTRIAL TECHNO-SERVICES**

COMMISSIONING ENGINEER

Y.Y.N.V. GOPI CHAND  
(Eled  
22/04/22)

CUSTOMER SIGNATURE :

NAME

: S. M. M. R. T. U.

DESIGNATION

: Sr. Executive

COMPANY SEAL

:

Observations: A) Pump (2 nos) :- 1) Avg load Amps :- 36 Amps 2) Checked RPMs At full RPM (1475) 3) Pressure observed :- 1.7 kg/cm<sup>2</sup> 4) pumps are cooling tower as per pump capacity.

REMARKS: Running successfully without any vibration & Throwing water to cooling tower as per pump capacity.

B) Cooling tower: 1) Fan blade Angle :- 9° degrees 2) Avg Load Amps :- 11 Amps (CT1, CT2, CT3) 3) Avg Velocity :- CT1 :- 9.7 m/s, CT2 :- 9.02 m/s, CT3 :- 9.5 m/s 4) Air flow :- CT1 :- 23.95 m<sup>3</sup>/s, CT2 :- 22.28 m<sup>3</sup>/s, CT3 :- 23.46 m<sup>3</sup>/s 5) Drift visibility not found 6) Water spray is uniform at nozzles 7) Fan Assembly vibrations not found 8) ΔT is to be checked after giving heat load.

Keep name card observation



## COMMISSIONING CERTIFICATE

DATE: 31-12-2021.

**CUSTOMER NAME & ADDRESS**

: INDIAN IMMUNOLOGICALS LTD  
RAKSHAPURAM, GACHIBOWLI POST,  
HYDERABAD - 500032. India.

**P.O No. & Date**

: 4511003513 & 22/02/2021

**THE FOLLOWING ITEM/S IS/ARE COMMISSIONED TO YOUR SATISFACTION:**

- 1. MODEL/CAPACITY : SITS MODULAR SQUARE TYPE / 300 TR
- 2. COOLING TOWER TYPE : FRP INDUCED DRAFT COUNTER FLOW

**PARAMETERS:**

- 1. CAPACITY OF TOWER : 300TR - 1 NO
- 2. HOT WATER TEMPERATURE : 36°C
- 3. COLD WATER TEMPERATURE : 31°C  
(Will be checked at basin)
- 4. WET BULB TEMPERATURE : 27°C

THE ABOVE SYSTEM HAS BEEN HANDED OVER IN SATISFACTORY WORKING CONDITION.

For SAI INDUSTRIAL TECHNO-SERVICES

COMMISSIONING ENGINEER

Y.Y.N.V. GOPICHAND  
(dated 31/12/21)

*Customer observation:*  
Found water leakage at CT PVC header. Plan for activity to be carried out.

CUSTOMER SIGNATURE :

*Ali*  
31.12.21

NAME

: S. MURUGU SAI

DESIGNATION

: Sr. Executive

COMPANY SEAL

:

**REMARKS:**

Observations :- A) Pump :- 1) Load Amps :- 20 Amps 2) Checked RPM :- 1475 RPM (at full RPM)  
3) Pressure observed :- 2.0 kg/cm<sup>2</sup> 4) Pump is running successfully without any vibration & Throwing water to the cooling tower as per the pump capacity  
B) Cooling tower :- 1) Fan Blade :- 90 degrees 2) Load Amps :- 10.8 Amps  
3) Air velocity :- 8.9 m/s 4) Air flow :- 23.229 m<sup>3</sup>/s 5) Drift visibility Not found  
C) Water spray's uniform at Nozzles 7) Fan assembly vibration Not found.

Regd. Off : H.No. 1-5-120, New Maruthi Nagar, Kothapet, Saroor Nagar Post, Hyderabad-500060, Telangana State, India.

Tel : 040-24040074, Telefax : 040-24051905, Mobile : 94408 91921 6) DT is here checked after giving heat load.

E-mail: sales@sitscoolingtowers.com | Website : www.sitscoolingtowers.com