

→ DI230104189  
 M/s. Super Flow Cooling Towers Pvt Ltd,  
 Faridabad.

Mr. Rajeev Dubey -

Cooling Tower Structural Casing & Louver	Corrug.AC.B
Fan Guard	HDGI
Cooling Tower Fan deck	TIMBER
Fan Cylinder/Stack With attaching Hardware's	MSHDG
Fill Materials	TIMBER SPLASH BAR
Fill Support Materials	MSHDG
Drift Eliminator	TREATED TIMBER / PVC
Hot water Distribution Nozzles, Eliminator	PVC
Bolts, Nuts and washers including Structural Connectors	MSHDGI
Base Casting/Base Plates including Foundation bolts	MSHDGI

→ Hydrea for 7000 days for each Tower - JAL ALE.

→ P&P - Party ALE.

COMMERCIAL BID

→ stay & food facility - Party A

BASIC PRICE RS.	7,50,000/- <del>6,75,000/-</del>
ERECTION CHARGES	Inclusive <del>Rs. 6,65,000/-</del>
Tax	GST 18% EXTRA, P&F 2% EXTRA
Price Basis	FOR at your site Bhiwari (Raj.)
Insurance	<del>Exclusive</del> Included
Super vision of Installation	Inclusive
Payment Terms supply	90 % Against Delivery within 06 days with GST and 10 % After successful erection.
Dispatch Time APPROX	Within 5-6 week from the date of receipt of PO
Exclusions	Exclusion as mentioned.
Validity	<del>30 days from the date of this offer.</del>
Guarantee	12 month from the date job completion or 18 month from the dispatch date whichever is earlier ..
Bank Details:	BANK OF BARODA IFSC CODE : BARBONEHARP A/C NO. : 51820200000032

Price including erection and commissioning.

For "SuperFlow Cooling Towers Pvt Ltd

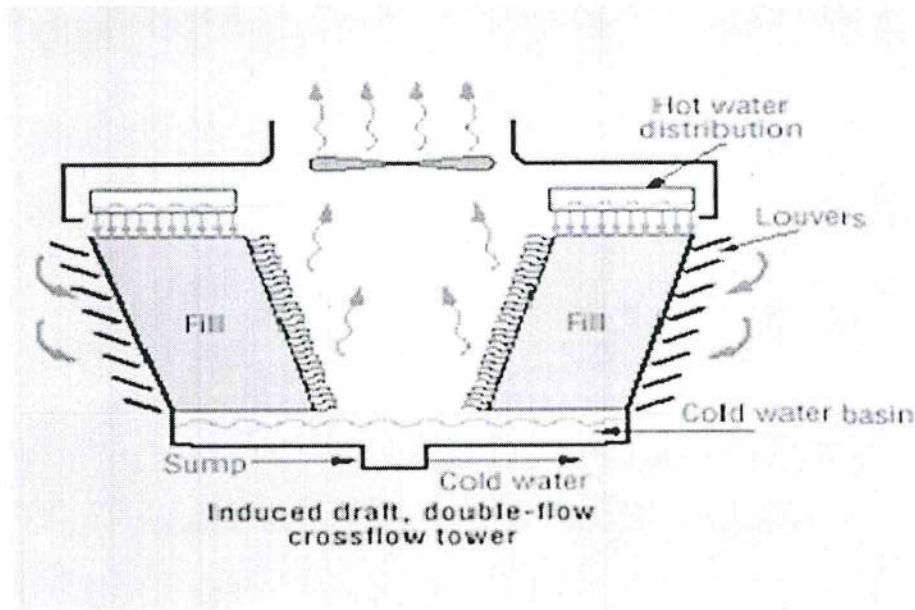
RAJEEV DUBEY

MB. 9810337622 & 9310337622

Discussed with  
 Mr. Rajeev Dubey and  
 agreed above  
 rate  
 (Signature)  
 02/05/23.



## Induced Draft CROSS Flow Cooling Tower



## TECHNO-COMMERCIAL OFFER

Dear Sir,

This has reference to the enquiry on mail. Thank you for sending your valuable enquiry. We now take pleasure in submitting our best offer for Design, Supply, erection & commissioning of New Cooling Tower.

TYPE	INDUCED DRAFT CROSSFLOW DIRECT DRIVE
MOC	TIMBER
QUANTITY	01 Nos.
MODEL	SFCT01B-7032
CAPACITY	135 CMH
NO OF CELLS/ FAN	1
HOTWATER TEMPERATURE	45°C
COLD WATER TEMPERATURE	32°C
WET BULB TEMPERATURE	28°C

We are enclosing the annexure as follows:

- 1) **Technical Bid:** Giving there in the Technical Data Sheet Duly Filled in, Material of Construction as well as Scope of Supply from our end as well as from your end.
- 2) **Commercial Bid:** Priced commercial Terms and Conditions.
- 3) **General Arrangement Drawing:** Enclosed



**TECHNICAL BID**  
**SCOPE OF WORK AND SUPPLY**

A)	SCOPE OF SUPPLY	SFCT 01B-7032
1	COOLING TOWER ID FAN ASSEMBLY, FILL STRUCTURE ETC	SUPPLIER
2	FLANGE MOUNTED Elect. MOTOR,	SUPPLIER
3	INTERNAL FILL & PVC ELIMINATORS, Nozzles, ss wire grid	SUPPLIER
4	STRUCTURAL MATERIALS OF COMPLETE COOLING TOWER	SUPPLIER
5	HWD SYSTEM	SUPPLIER

**NOTE:- (Our scope of work limited with fixing and erection, Installation of above supplied material only)**

B)	SCOPE OF SUPPLY & WORK BY CUSTOMER	
1	LEVELING & GRADING OF SITE, MOTOR CONTROL CENTRE, CABLING & LIGHTING, ALL POWER & CONTROL CABLES	BY PURCHASER
2	RCC COLD WATER BASIN AND SUPERSTRUCTURE, MOTOR CONTROL CENTRE, CIRCULATING WATER PUMP SET, CIVIL, RCC JOBS, EXCAVATION, ALL EXTERNAL PIPING WORK: HOT WATER UP TO TERMINAL POINT TO DISTRIBUTION HEADER ETC.....	BY PURCHASER
3	POWER & CONTROL CABLES, LAYING TERMINATION THERE OF, CABLE TRAY SAND ETC...	BY PURCHASER

**TECHNICAL DATA SHEET**

1)	Design Basis	MODEL SGT01B7032 [One fan]	
a)	COOLING TOWER MAKE		<b>SUPERFLOW COOLING TOWERS</b>
b)	Type of cooling tower		TIMBER DIRECT DRIVE
c)	Total rated capacity	m <sup>3</sup> /hr	135
d)	No. Of cells per tower	Nos.	1
e)	Capacity per cell	m <sup>3</sup> /hr	135
f)	Hot water temp.	oC	45
g)	Cold water temp.	oC	32
h)	Ambient wet bulb temp.	oC	28
i)	Design range	oC	12
j)	Design approach	oC	4
k)	Tower operation		Continuous



l)	Evaporation loss approx	%	1.7
m)	Drift loss max	%	0.05
<b>2)</b>	<b>Cooling Tower Overall Dimensions (Approximate)</b>		
a)	Cooling tower width APPROX	m	6.06X7.71
c)	Cooling tower length APPROX	m	3.75
d)	Cooling tower height(from basin curb level up to top off an deck)	m	2.77APPROX
e)	Pumping head(from basin curb level) APPROX	m	2.80APPROX
f)	Fill Height	m	2.64 MTR
<b>3)</b>	<b>Cooling Tower Fan Assembly</b>		
a)	Fan make		SFCT
c)	Quantity per cell	Nos.	1
d)	Diameter	M	2.438
e)	Number of blades	Nos.	6
f)	Type of fan and features		Axial flow propeller type with adjustable pitch
g)	Material of construction of blades		FRP/Aluminum blades with GI hub
<b>4)</b>	<b>Cooling Tower Fan Motor</b>		
a)	Type		FLANGE MOUNTED Squirrel Cage Induction Motor
b)	Make		SABAR/MEGHA/OSWAL
c)	Mounting		Flange Mounted
d)	Number per Cell		1
e)	Enclosure		TEFCWeatherProofIP-55
f)	Rated Power HP		12.5 HP
g)	Synchronous Speed RPM		RPM 600
h)	Current characteristics		V/PH/Hz[415±10%/3/50±5%]
i)	Insulation Class		Class-'F'
j)	Method of coupling		Direct DRIVE
k)	Insulation class/temperature class		F/B
l)	Ambient temperature		50oC

<b>Material of Construction</b>	
<b>Cold Water Basin/Sump &amp; Sludge Pit</b>	RCC(BY YOU]
<b>Cooling Tower Super structure</b>	TIMBER





GST NO. 06AAVCS3229D1Z8



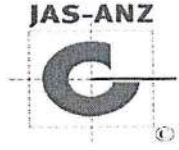
MEMBER

Member of



**ISHRAE**

Indian Society of Heating, Refrigerating and  
Air Conditioning Engineers



(M): 9810337622, 9310337622

# SuperFlow Cooling Towers Pvt Ltd

(A Unit of Ionmax Engineers)

OFFICE: BT-06/ 102, SEARS TOWER, OMAXE HEIGHT, SECTOR-86,  
FARIDABAD (HR)-121002

ID Mail: [rajeevsuperflow@gmail.com](mailto:rajeevsuperflow@gmail.com), [superflowcooling@yahoo.in](mailto:superflowcooling@yahoo.in)

WEBSITE: [www.sfcoolingtower.com](http://www.sfcoolingtower.com)

REF: 9568/2022-23

DT: 11.01.2023

M/S- Jindal Aluminum Ltd.  
SP-2/333, Riico Industrial Area,  
Bhiwadi- 301019

Kind Attention: Mr. Raj Gopal,

Sub. : Your Requirement of 750 TR Square shape Wooden cooling tower

Dear Sir,

With reference to above mentioned subject, we now take pleasure in submitting our best Offer for design, supply, erection and commissioning of Induced Draft cross Flow timber Cooling Tower

Sincerely Yours,

For SuperFlow Cooling Towers Pvt Ltd.

RAJEEV DUBEY  
Cell : 9810337622 & 9310337622





**KRISHNA**  
**ORGANICS & CHEMICALS**  
(A unit of Power Chem. Chemicals)  
(Complete Solution of Water Technology)

M/S JINDAL ALUMINUM LIMITED

Date: - 31-01-2023

ADD: - SP-2/333, RIICO Industrial Area, Bhiwadi-301019 (Dist: Alwar) Rajasthan

Kind Attention: - Mr. Raj Gopal Ji

SUBJECT: - Quotation for 750TR (Wooden Cooling Tower)

Dear Sir,

This has reference to the telephonic discussions undersigned had with you today regarding your requirement of **Wooden induced Draft Counter Flow Cooling Tower 750 TR** for your plant. As per your requirement, we are pleased to quote our most competitive techno-commercial offer for cooling towers. Cooling towers is having Wooden & Cement Sheet casing and wooden fills. Other technical details are as per attached technical data sheet.

We trust that our offer will meet with your approval and we will look forward to receive your valued order at the earliest. Should you require any further clarifications please do contact us again, we shall be pleased to render our services according to your fullest satisfaction.

Thanking you and assuring you of our best services always.

**Capacity 750 TR Wooden Cooling Tower**

Item	Wooden Cooling Tower ✓
Type	Induced Draft Cross Flow Double Flow
Model	Rctpl-750
Capacity	750 Tr ✓
No. Of Cell	Double Cell
Quantity	One Set
Air-Water Flow	Cross Flow
<b>Operating Performance</b>	
Water Flow Rate	7500 LPM Max.
Inlet Water Temperature	37 Degree C
Outlet Water Temperature	32 Degree C
Wet Bulb Temperature	28 Degree C
<b>Design Performance</b>	
Drift Losses	0.05% (Max.)
Evaporation Losses	1.350% (Max.)
<b>Tower Specification</b>	
Length	24'- 4"

Address: - 3/75, RHB Housing Board Near Central Market, Bhiwadi (Raj)-301019

Email ID: - [krishnachemicals84@gmail.com](mailto:krishnachemicals84@gmail.com), [saleskrishnachemicals991@gmail.com](mailto:saleskrishnachemicals991@gmail.com)

Phone no. 9799954620, 9079045843

GST IN 08DIAPK5489L1ZN

**Deals In: - All Water Treatment Chemicals as Cooling Tower Chemical, Boiler Chemical, Ro Antiscalant, Descaling Chemicals, Ro Spare Parts & New Plants**



**KRISHNA**  
**ORGANICS & CHEMICALS**  
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(Complete Solution of Water Technology)

Width Fan Deck Level	11'-0"	<i>Tower details</i>
Width Basin Level	9'-5"	
Height	6'-3"	
Water Basin	Rcc (Not in Our Scope Of Supply) → <i>Civil JAL</i>	
Pipeline Dia	5"	→ <i>JAL scope after battery bin</i>
Empty Weight	22,500 Kg.	
Operating Weight	30,000 Kg.	
Pump Head	7'	
<b>Material Of Construction</b>		
Tower Structure	Treated Pine Wood with Asbestos Cement Sheets. → <i>new real and Pine with treated</i>	
Fill Type	Treated Pine Wood	
Mesh	SS-304	
Nails	SS-304	
Fill Support	Treated Pine Wood	
Fan Guard	Ms Hdg (Hot Dip Galvanized)	
Fan Cylinder	Ms Hdg (Hot Dip Galvanized) Or Frp Cylinder	
Eliminator	Treated Pine Wood	
Nuts & Bolts	Gi (Galvanized Iron)	
Distribution	Pvc Nozzles.	
Ladder	Treated Pine Wood	
<b>Fan &amp; Motor Details</b>		
Fan Dia	3 X 1200 Mm/6 Blades/Axial Flow/Al. Alloy	
No. of Fan	Three Set.	
Motor Specification	3 X 25.0 Hp/2800 Rpm/ Ip55/415 V/3 Phase/50 Hz. /'F' Class Insulation/Footmounted/Gear Box Drive 20 T	
No. of Motor	Three No	
Motor Make	Sabar / Oswal / Any Standard Make.	

*Cooling Tower application motor*

Address: - 3/75, RHB Housing Board Near Central Market, Bhiwadi (Raj)-301019

Email ID: - [krishnachemicals84@gmail.com](mailto:krishnachemicals84@gmail.com), [saleskrishnachemicals991@gmail.com](mailto:saleskrishnachemicals991@gmail.com)

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**PRICE & COMMERCIAL TERMS**

S.NO.	DESCRIPTION	QTY.	AMOUNT
1	PRICE (MATERIAL ONLY) 750TR	1 Set	8,00,000
2	LABOUR CHARGES	1 Job	15,000
<b>TOTAL AMOUNT</b>			<b>8,15,000/-</b>
<b>AMOUNT IN WORD</b>			<b>Eight Lakh Fifteen Thousand Only/-</b>

Rs. 7,45,000/-  
Per set.

**TERMS & CONDITIONS**

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- GST: - IGST Extra @18%
- Packing Forwarding: - Extra @ 2% of material value. **Included: FOR-JAL BWP**
- Excise Duty: - NIL **N.A.**
- Service tax on Labor Charges: - Extra @ 18%
- Price Basis: - Ex-Works Bhiwadi, Rajasthan. **FOR-JAL BWP**
- Octroi / Town Duty: - Purchaser has to pay at actual, if applicable **N.A.**
- Freight: - Extra as applicable **Included.**
- Facilities at Site: - Accommodation at site for our erection foreman and electricity for our portable tools shall be arranged by you during erection period free of cost. The cooling tower components shall be handed-over to us within 50 ft. Of the cooling tower foundation. Hoisting, if required shall be arranged by the purchaser at his own expenses.
- Delivery from Bhiwadi: - We shall be in a position to supply you cooling tower components within 5-7 weeks from the date of receipt of "purchase order". Erection period of the cooling tower shall be 8 weeks from the date the RCC basin is handed over to us duly completed
- Work by others: - All RCC job based on our construction drawing, starter of fan motor and - cooling water pumps, piping, cabling & concrete basin fittings shall be done by you.
- Terms of Payment (Labor): - 100% after completion the work.
- Terms of Payment (Material): - 50% advance & 50% against PI

Laborer accommodated included in above price

90% + 100% GST within 7 days balance after total.

Address: - 3/75, RHB Housing Board Near Central Market, Bhiwadi (Raj)-301019

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(Complete Solution of Water Technology)

- **Insurance:** - Transit insurance is to be arranged by you. On and after delivery to the carriers for transportation till purchaser's site, purchaser shall be responsible for all loss or damage to materials and equipment due to any cause. *- Included.*
- **Warranty:** - 12 month from the date of supply of material against any manufacturing defect.
- **Validity:** - This Proposal shall be firm, if the purchase order is received by us within 60 days from the date of proposal, the date of order.

All clerical and typographical errors/ omissions in our offer, if any, are subject to correction. Jurisdiction: Faridabad, Haryana

Sir, we are sure that you will find the above quotation as per your requirements & you'll grace us with your kind order.

Please feel free to contact us for any further information / clarification.

Yours Faithfully,

FOR KRISHNA ORGANICS & CHEMICALS

DEEPAK KUMAR

9799954620, 9079045843

*Discussed with  
Mr. Deepak and agreed  
above rate*

*(Signature)  
10/03/23.*

Address: - 3/75, RHB Housing Board Near Central Market, Bhiwadi (Raj)-301019

Email ID: - [krishnachemicals84@gmail.com](mailto:krishnachemicals84@gmail.com), [saleskrishnachemicals991@gmail.com](mailto:saleskrishnachemicals991@gmail.com)

Phone no. 9799954620, 9079045843

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**Deals in: - All Water Treatment Chemicals as Cooling Tower Chemical, Boiler Chemical, RO Antiscalant, Descaling Chemicals, RO Spare Parts & New Plants**



# HINDUSTAN COOLING SYSTEMS

COOLING TOWERS | COOLING TOWER REPAIRS | CHILLING PLANTS

HCS/QUO/AJ-2005/2023

Feb.14.2023

**Jindal Aluminium Ltd.**

at Bhiwadi, Alwar, Rajasthan, India.

**Kind Attn: Mr. Shankaranand Mishra (09611195336)**

**E-mail: [smishra@jindalaluminium.com](mailto:smishra@jindalaluminium.com)**

**Subject: Offer for Wooden Cooling Tower-750TR.**

Dear Sir,

This is with reference to your Query with undersigned today regarding your requirement of **Wooden Cooling Towers.**

## INTRODUCTION

*Hindustan Cooling Systems* is a reputed & well recognized Manufacturer & Service Provider for Industrial Water Cooling Systems. Our Plant is Located at Pathreri-The Industrial Hub of North India. For More Info about Our Company & Products Please visit Our Website:

[www.hindustancoolingsystems.com](http://www.hindustancoolingsystems.com)

Based on the same, we are pleased to submit our most competitive offer along with terms & conditions as under.

Cooling Tower Designed to cool 400m<sup>3</sup>/h of water temperature from 42°C to 30°C at Wet Bulb Temperature of 29°C

## Details of the Cooling Tower:

Type of Cooling Tower & Shape : Wooden Cross Flow Cooling Tower

Model No. : HCS-WCT-750

Length/Width of Cooling Tower : 5000mm x 5150mm

Height at the top of Fan Cylinder : 3350 mm

Weatherproof fan motor : 2 x 10 HP/940 RPM

Fan Diameter : 2 x Ø 1800mm (6 Blades)

Water Inlet/Outlet Size : 2 x 4" (100mm)

Quantity : One Set

## Product Price:

**Final Basic Price (1 No's): Rs. 7,25,000 (Including Packing & Erection Charges)**

*Final Agreed Rate*  
**Rs. 68,000/-**

Head Office : Krishna Complex, 2nd Floor, NH-8, Manesar, Distt. Gurugram (Haryana) - 122051

Factory : Pathreri to Bhiwadi Industrial Road, Near Toll Tax, Distt. Gurugram (Haryana)

Phone : +91-8510085210, 8506008321, E-mail : [sales@hindustancoolingsystems.com](mailto:sales@hindustancoolingsystems.com)

Website : [www.hindustancoolingsystems.com](http://www.hindustancoolingsystems.com)







# HINDUSTAN COOLING SYSTEMS

COOLING TOWERS | COOLING TOWER REPAIRS | CHILLING PLANTS

## SPECIFICATION OF MATERIAL FOR WOODEN COOLING TOWER

Structural Framework	: <u>Wooden</u>
Fills	: <u>Wooden</u>
Drift eliminators	: <u>Wooden</u>
Grid	: <u>SS 304</u>
Fan blades	: <u>Al Alloy</u>
Fan Guard	: <u>Hot Dipped Galvanized Steel</u>
Bolts/nuts/washers/Nails/Ladder	: <u>Hot Dipped Galvanized Steel</u>
And all other steel components	: <u>Hot Dipped Galvanized Steel</u>

## TERMS & CONDITIONS

1	Prices	The Quoted Prices Are <u>Ex-Works, Pathreri (Haryana)</u> <b>FOR JOL B/W</b>
2	Packing Charges	<u>Included</u>
3	Taxes	<u>Extra as Actual (GST @ 18%)</u>
4	Erection Charges	<u>Included</u>
5	Freight Charges.	<u>Included</u>
6	Validity	30 days w.e.f., issue of this offer.
7	Expected Delivery	<u>3-4 weeks</u> tower from the date of receipt of order.
8	Expected Erection Period	10-12 days per tower after handing over to us clear site with Civil foundation bolts <u>complete, in all respects.</u>
9	To be provided by you free of charge.	You are to provide <u>lifting machine for motor.</u> <b>Hecler for 2 day</b> <u>Unskilled manpower as required at site.</u> <b>JOL AL</b> <u>Lodging, Boarding to our technician, during erection and commissioning.</u> <b>→ Passpore</b>
10	Terms of Payment	40% in advance with Purchase Orders, 50% plus taxes & duties against our Performa invoice prior to dispatch. 10% after Installation. <b>→ 80% with 100% GST within 7 days from the date of receipt of material</b>
11	Exclusion	Above prices do not include starter for electric motor, sabling, piping to Cooling Tower, pumps, controls foundation, bolts, Civil works, instruments and any items not specified in our offer.

We hope, you will find the above in order and shall look forward to receiving your valued order at the earliest.

Thanking you,  
Yours truly,  
Ajay Bihari,  
Product Manager,  
Mo.: 8510085210/9821997784  
**GST. No. 06AALFH8458A1ZC**  
For. Hindustan Cooling Systems.

**→ 20% After Commissioning and total subject to submission of LG with undated Cheque for 10% value of order valid for one year (10% Basic amon)**

Head Office : Krishna Complex, 2nd Floor, NH-8, Manesar, Distt. Gurugram (Haryana) - 122051  
Factory : Pathreri to Bhiwadi Industrial Road, Near Toll Tax, Distt. Gurugram (Haryana)  
Phone : +91-8510085210, 8506008321, E-mail : sales@hindustancoolingsystems.com  
Website : www.hindustancoolingsystems.com

**Discussed with party and agreed above rate**  
**(Signed) offst**

