

**17<sup>th</sup>**  
May 2025

# BT BALCO TODAY

SIGHTS, INSIGHTS & HEIGHTS

## ALUMINIUM

*The Backbone of Modern  
Telecommunications*





On World Telecommunication and Information Society Day (May 17), we celebrate the transformative impact of communication technologies on modern society. An integral element supporting this evolution is aluminium, a key component in telecommunications infrastructure. Known for its excellent conductivity, lightweight nature, and resistance to corrosion, aluminium is widely used in communication technologies, making it indispensable for long-distance data transmission and overhead power lines.

## Let's explore how aluminium supports the growth of telecommunications at every stage:



### Antenna Structures

Aluminium's lightweight and corrosion-resistant properties make it ideal for antennas, especially in outdoor installations such as cellular and broadcast towers.

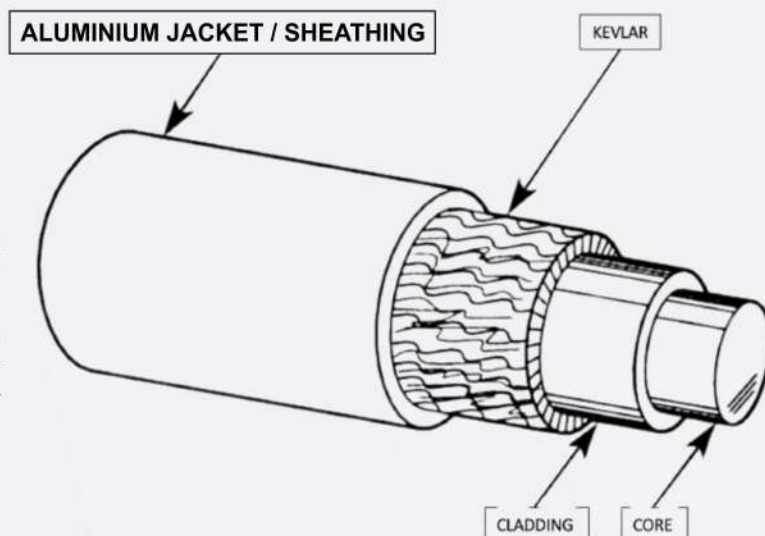
### Satellite Dishes

Aluminium's strength, durability, and resistance to harsh weather conditions make it a preferred material for manufacturing satellite dishes used in broadcasting and data transmission.



## Optical Fiber Cables

Aluminium-coated optical fibers enhance signal transmission by providing robust protection and maintaining signal integrity over long distances.



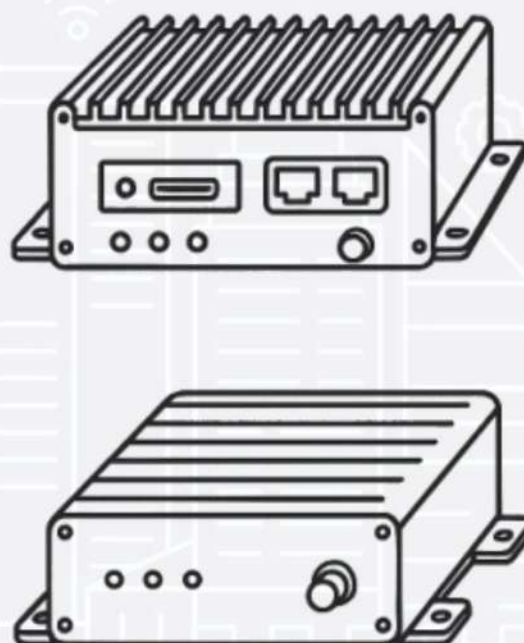
## Mobile Network Infrastructure

Aluminium's stability and lightweight characteristics make it essential in constructing mobile base station masts and enclosures, facilitating efficient installation.



## Electronic Casings

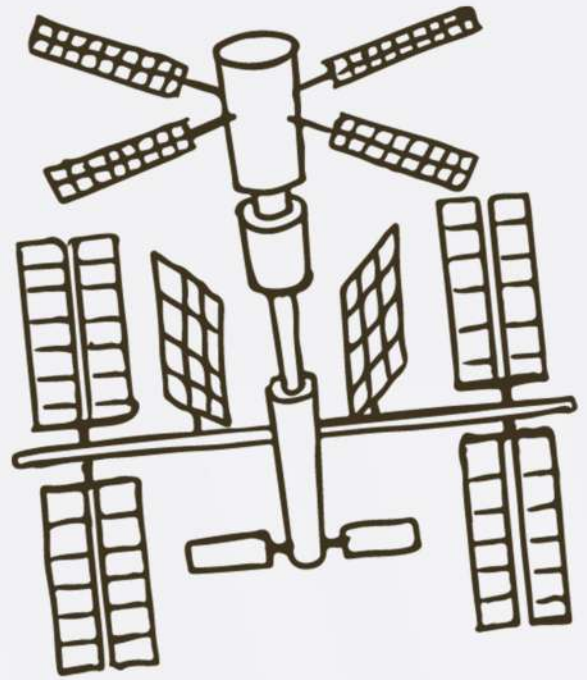
Aluminium casings for routers, modems, and communication devices offer excellent thermal management and protection from environmental factors.





## Communication Satellites

Aluminium alloys, with their high strength-to-weight ratio, are used in satellite frames and structural components, crucial for space applications.



## Signal Boosters and Repeaters

Aluminium heat sinks in signal amplifiers efficiently dissipate heat, ensuring uninterrupted communication, even in remote areas.

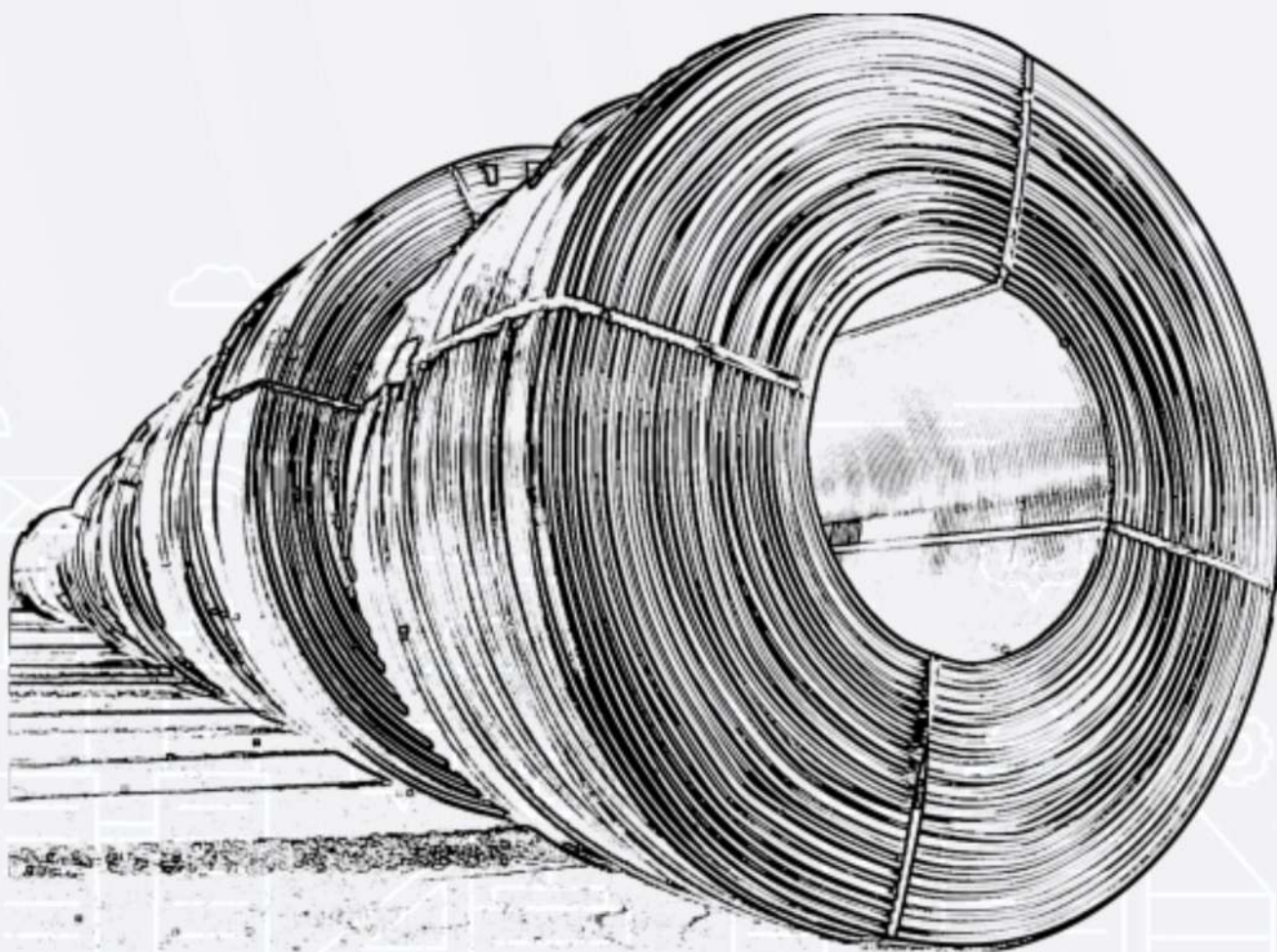
## Electronic Devices

Aluminium's thermal conductivity makes it suitable for use in mobile phones, laptops, and telecommunication equipment, providing heat dissipation and robust casing



## Did You Know?

BALCO holds the largest market share for wire rods in India, commanding 33% of the domestic market. These wire rods play a crucial role in manufacturing components for the telecommunication sector.



Moreover, aluminium's recyclability aligns with the telecom sector's focus on sustainability, reducing environmental impact while fostering continuous innovation. Thus, aluminium remains a cornerstone in advancing telecommunication networks, strengthening connectivity, and enabling global communication.



# Making Appointments is so much easier with BALCO's e- Health Application!

Follow the steps to register now!

STEP 1

Install the BALCO  
eHealth mobile  
application

STEP 2

Enter the registered  
Mobile Number & OTP to  
successfully log in to the  
application

STEP 3

Click on Appointments,  
then +New, followed  
by entering details  
and submit

Your  
appointment is  
**Successfully  
booked!**



Scan here to download the  
Android application.



Click here to register now! 





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**COMING SOON**

**An Exciting**

# SUMMER Camp

*Experience!*

Get ready to dive into a world of fun,  
learning, and unforgettable memories!

Our Summer Camp promises  
engaging activities, skill-building sessions,  
and a chance to connect with  
a vibrant and energetic setting.



**STAY TUNED FOR  
MORE UPDATES!**




# Canvas For 'A' Life



# 2025

**AN ART EXHIBITION FUNDRAISER WHERE EVERY CANVAS  
CONTRIBUTES TO CANCER CARE**

**Saturday, 21<sup>st</sup> June**

 **Mayfair Lake Resort, Naya Raipur, CG**

You can participate by donating your artwork entirely for the cause, or by quoting a price and exhibiting your artwork—where a portion of the sale proceeds will go to the BMC Charitable Fund. You can also take part in the online auction by sharing digital images for inclusion in the e-catalogue.

**RSVP : Mr. Vipendra Singh Rajput – +91 70006 75928**

\*Proceeds from the fundraiser will go to the BMC Charitable Fund (BCF). BCF is an initiative by BALCO Medical Centre that supports diagnostic processes and provides gap funding for treatment costs for underprivileged patients.





Here are some smart summer-friendly swaps to keep you refreshed!

### Swap This

### With This



**Fried Snacks  
(Samosas, Chips)**

**Roasted Chana, Makhana, or  
Khakhra or Sprouts-Salad**



**Heavy Curries**

**Curd-Based Gravies or  
Lemonade**



**White Rice**

**Steamed Brown Rice  
or Millets**



**Ice Cream**

**Frozen Yogurt or  
Fresh Fruits**



**Aerated Soft Drinks**

**Nimbu Pani, or  
Coconut Water**



### Quick Tip:

Plan your meals around water-rich veggies like cucumber, bottle gourd, and tomatoes to stay naturally hydrated!





# RACE 2 PLAY OFFS

Sunday, 18 MAY

STARTS 03:30 PM







# RACE 2 PLAY OFFS

Sunday, 18 MAY

STARTS 07:30 PM





# SAFETY CORNER

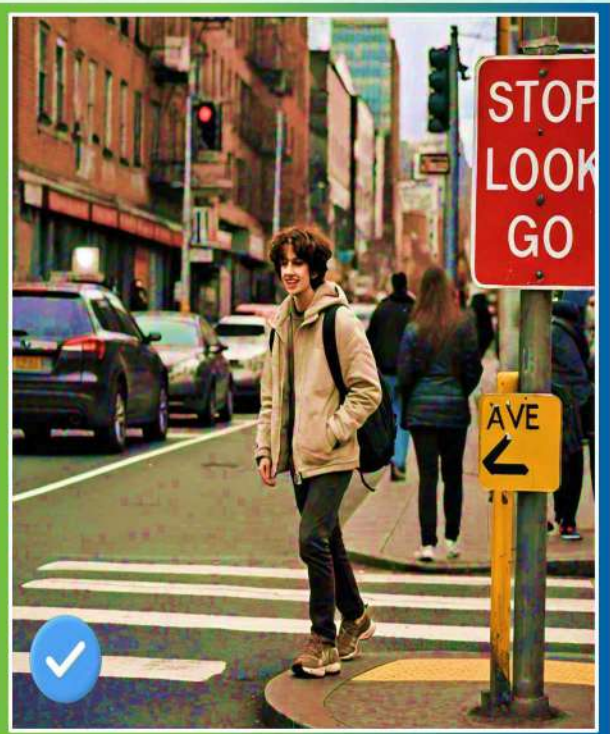
## How to Cross the Road?

### सड़क कैसे पार करें ?



**Incorrect**  
Person is watching  
mobile and  
crossing the road

**गलत**  
व्यक्ति मोबाईल देख रहा है  
और सड़क पार कर रहा है।

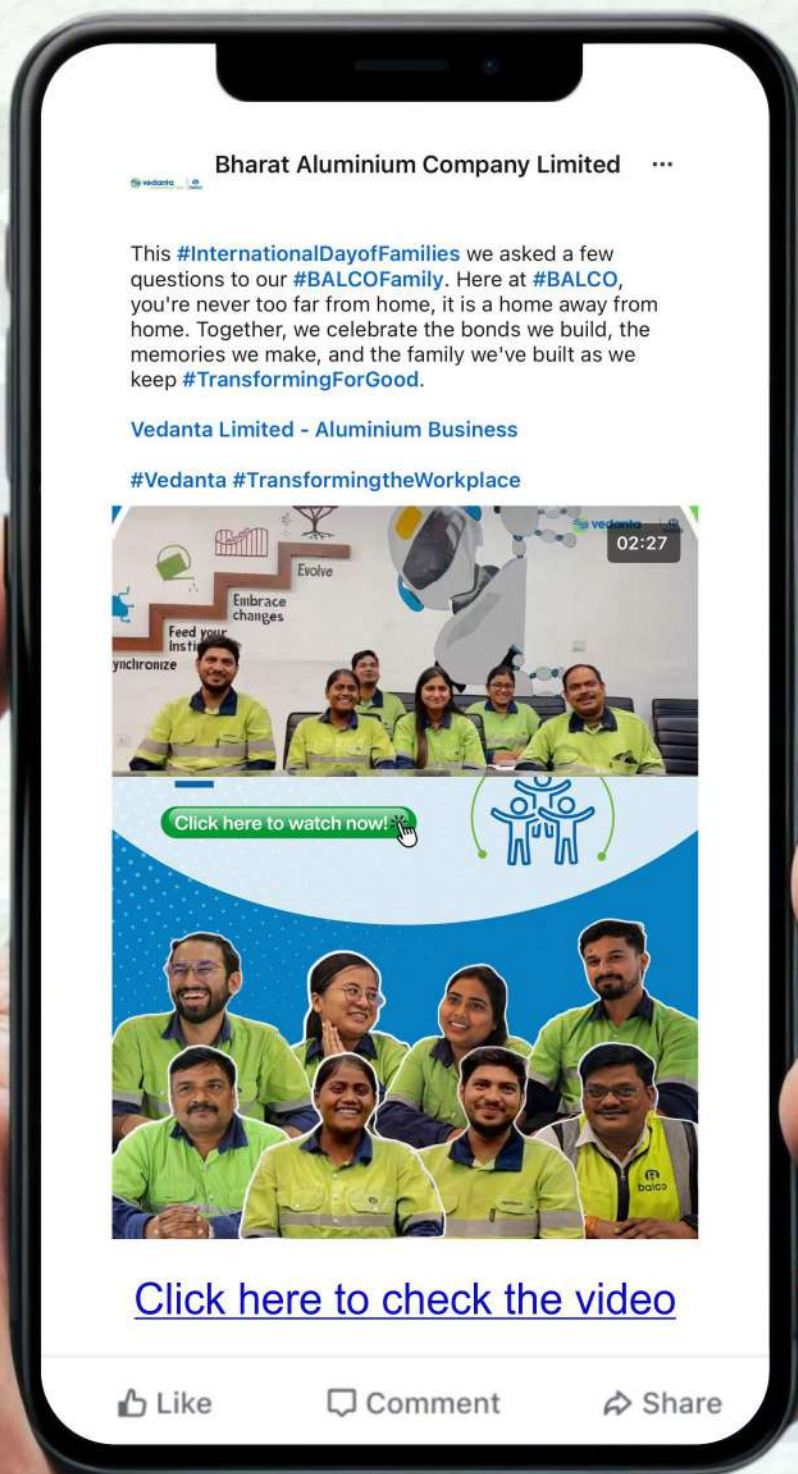


**Correct**  
To cross the road, stop  
at a crosswalk, look both  
ways and then cross when  
it is safe.

**सही**  
सड़क पार करने के लिए जेबरा  
क्रॉसिंग पर रुकें, दोनों तरफ देखें  
और फिर सुरक्षित होने पर पार करें।



# MEDIA CORNER





# Team BALCO Today

Conveys Heartiest Greetings To

**Saturday, 17<sup>th</sup> May, 2025**

Raghuwar Singh Rathore  
Brij Kishor Yadav  
Harshita Soni  
Guru Priya S

Cast House  
Coal Commercial  
CSR  
Sheet Rolling Shop

**Sunday, 18<sup>th</sup> May, 2025**

Vinod Kumar Rathore  
Mrityunjay Halder  
Mahender Singh Chandra  
Hemant Kumar Soni  
Prakash Singh Raghuwanshi  
Anshika Singh

Logistics  
Power-2  
Pot Room  
Sheet Rolling Shop  
Pot Room  
Cast House

**Monday, 19<sup>th</sup> May, 2025**

T Kameshwar Rao  
Santosh Das  
Khagendra Kumar  
Suneela M V S

Rodding  
Medical  
WT Plant  
Project

HAPPY  
*Birthday*  
TO YOU!



# Idea Theme for May' 25

## Waste to Wealth



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transforming for good



# WASTE TO WEALTH



### Reduce

lowering the amount of waste produced

### Reuse

using materials repeatedly

### Recycle

using materials to make new products

### Recovery

recovering energy from waste

### Landfill

safe disposal of waste to landfill



IDEAS



PLANNING



PROCESS



BRAINSTORM



SOLUTION

# CREATIVITY INNOVATION



Login in **!idea@Balco**

## R & R CATEGORY

1. Best Idea of the month
2. Max. Idea Generator
3. Quick 5 Ideas

Share your ideas through  
Idea@Balco mobile app/ portal  
using this link

<https://idea.balco.in:8047/dr/login>  
Use tag # W2W# before mentioning  
the ideas



# BALCO CENTRALIZED

## Security Operation Center



### INCIDENT

Theft, Threat, Vandalism, Fraud  
Malpractice, Wild Animal Attack



### VIOLATIONS

Unsafe Act, Unsafe Conditions  
Traffic



### YOUR ABSENCE AT HOME

Away on Holidays for Few  
Days



### ISSUES

Traffic Jam, Card Not Working  
Lack of Support at Entry Gates



### SUSPICIOUS MOVEMENT

Person Behaving/Acting in  
Suspicious Manner

We Are Manned 24x7 & Available At:

 **9179083488, 7759252655**

 **BALCO.SOC@Vedanta.co.in**

Sec\_rity is incomplete Without "U"



# DO SHARE YOUR

interesting pieces with us like

- ◆ Poem ◆ Sketch ◆ Drawing
- ◆ Art content ◆ Own Articles
- ◆ Photograph with good captions
- ◆ Success / Inspirational stories
- ◆ Travel Story
- ◆ Balco Plant Events
- ◆ Achievements etc.

We will try to capture them in

## BALCO TODAY

**YOU CAN REACH OUT TO US -**

Ritesh Siraj  
9911836450

Shivani Pachori  
8830960726