

# SMARTBID: COMMERCIAL FORENSIC AUDIT

Generated: 17-Dec-2025 16:05

## 1. PROJECT & CLIENT IDENTITY

RFP Reference	RFP-1765967039
Client Name	NATIONAL HIGHWAYS AUTHORITY OF INDIA
Destination	Kota Camp Office (Plains_Highway)

## 2. PRODUCT-WISE COST BREAKDOWN

### Item: Polycab 1.1kV 4 Core 16sqmm Aluminium Armoured Cable (Qty: 1000.0)

Material & Mfg	71,780
Packaging	24,000
Compliance Testing	5,250
- Tensile Strength & Elongation : 1,200	
- Dimensions Check (OD & Thickne: 300	
- Conductor Resistance Test: 1,000	
- High Voltage Test (Water Tank): 1,700	
- Armor Resistance Test: 450	
- Insulation Resistance Test (Vo: 600	

### Item: Polycab 1.1kV 4 Core 25sqmm Aluminium Armoured Cable (Qty: 1000.0)

Material & Mfg	106,905
Packaging	24,000
Compliance Testing	5,250
- Tensile Strength & Elongation : 1,200	
- Dimensions Check (OD & Thickne: 300	
- Conductor Resistance Test: 1,000	
- High Voltage Test (Water Tank): 1,700	
- Armor Resistance Test: 450	
- Insulation Resistance Test (Vo: 600	

### Item: Polycab 1.1kV 4 Core 6sqmm Copper Armoured Cable (Qty: 1000.0)

Material & Mfg	262,772
Packaging	24,000
Compliance Testing	5,250
- Tensile Strength & Elongation : 1,200	
- Dimensions Check (OD & Thickne: 300	
- Conductor Resistance Test: 1,000	
- High Voltage Test (Water Tank): 1,700	
- Armor Resistance Test: 450	
- Insulation Resistance Test (Vo: 600	

## 3. LOGISTICS & FINANCIALS

Logistics (541.03km, 3.0T)	INR 13,186
Formula: (3.00T x 541.03km x 4.5 Rate x 1.0 Zone (Z-01))	
Cost of Capital (90 Days)	INR 16,049
<b>FULL COST BASE</b>	<b>INR 558,442</b>

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## 4. STRATEGIC MARGIN BUILD-UP

Base Target Margin	18.0%
> Credit Cost (90 days): +INR 16048	
> Loyalty Discount: -1.5%	
> Price War Alert: Gemscab (Aggressive) -> -3% Margin	
> Price War Alert: V-Flow Tech Cables (Aggressive) -> -3% Margin	
> Zone Risk (Plains_Highway): +2.0%	

FINAL NET MARGIN	12.5%
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FINAL BID SUBMISSION VALUE

INR 628,247