

SMARTBID: COMMERCIAL FORENSIC AUDIT

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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: 25000.0)

Material & Mfg	1,794,492
Packaging	300,000
Compliance Testing	97,500
- Insulation Resistanc (x25): 15,000	
- Armor Resistance Tes (x25): 11,250	
- High Voltage Test (W (x25): 21,250	
- Conductor Resistance (x25): 12,500	
- Dimensions Check (OD (x25): 7,500	
- Tensile Strength & E (x25): 30,000	

Item: Polycab 1.1kV 4 Core 25sqmm Aluminium Armoured Cable (Qty: 10000.0)

Material & Mfg	1,069,051
Packaging	120,000
Compliance Testing	39,000
- Insulation Resistanc (x10): 6,000	
- Armor Resistance Tes (x10): 4,500	
- High Voltage Test (W (x10): 8,500	
- Conductor Resistance (x10): 5,000	
- Dimensions Check (OD (x10): 3,000	
- Tensile Strength & E (x10): 12,000	

Item: Polycab 1.1kV 1 Core 10sqmm Copper Flexible Cable (Red) (Qty: 2000.0)

Material & Mfg	204,839
Packaging	24,000
Compliance Testing	7,800
- Insulation Resistanc (x2): 1,200	
- Armor Resistance Tes (x2): 900	
- High Voltage Test (W (x2): 1,700	
- Conductor Resistance (x2): 1,000	
- Dimensions Check (OD (x2): 600	
- Tensile Strength & E (x2): 2,400	

3. LOGISTICS & FINANCIALS

Logistics (541.03km, 37.0T)	INR 162,630
Formula: (37.00T x 541.03km x 4.5 Rate x 1.0 Zone (Z-01))	
Cost of Capital (90 Days)	INR 113,010
FULL COST BASE	INR 3,932,322

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4. STRATEGIC MARGIN BUILD-UP

Base Target Margin	18.0%
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> Credit Cost (90 days): +INR 113009	
> Loyalty Discount: -1.5%	
> Price War Alert: V-Flow Tech Cables (Aggressive) -> -3% Margin	
> Price War Alert: Gemscab (Aggressive) -> -3% Margin	
> Market Pressure Buildup (1 extra rivals): -0.5%	
> Zone Risk (Plains_Highway): +2.0%	
FINAL NET MARGIN	15.0%

FINAL BID SUBMISSION VALUE

INR 4,522,171