



प्रसारभारती / PRASAR BHARATI
भारतीयलोकसेवाप्रसारक/ INDIA'S PUBLIC SERVICE BROADCASTER
अपरमहानिदेशक(अभि.)(द.क्षे) काकार्यालय/ O/O. ADDL. DIRECTOR GENERAL (E)(SZ)
आकाशवाणीएवंदूरदर्शन / ALL INDIA RADIO & DOORDARSHAN
स्वामीशिवानंदासालै, चेन्नई / SWAMY SIVANANDA SALAI, CHENNAI - 600 005.



F.No. J-11014/4/2026-DD PROJ-ADG(E)-(SZ) E. 341906

Dt: 12.062026

Sub: Request for Budgetary quote for Supply of HT/LT Power Supply Cables
from vendors / OEM - Reg

Sir/Madam,

Budgetary Quote for Supply of HT/LT Power Supply cables as per Technical Specification enclosed is hereby requested from Vendors/OEM.

Hence, the budgetary quote may kindly be provided by email to **tvproject_sz@yahoo.com** on or before **19.06.2026**.

Encl: Technical Specification for supply of LT/HT Power Supply Cables

भवदीय /Regards,



(पी.एन.एम. श्रीनिवास/ P.N.M. Srinivas)

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कृतेअपरमहानिदेशक (प्र.सं.)(द.क्षे) / for ADG(BO)(SZ)

**Specification for Supply of HT/LT Power Supply Cables for GDDRC,
Hyderabad.**

120 SQ.MM, 11kV, 3 CORE, XLPE ARMOURD ALUMINIUM HT CABLE:

Sl. No.	Technical Parameter	DD's Requirement	Tenderer's offer
1	Size (Cross Sectional Area)	120 Sq.mm	
2	Insulation Type	XLPE	
3	Insulation Thickness	5.50 mm (approx.)	
4	Armour Type	Flat Strip	
5	Minimum Inner Sheath Thickness	0.70 mm (approx.)	
6	Nominal Armour Strip Dimension	4 x 0.80 mm	
7	Minimum Outer Sheath Thickness	2.52 mm (approx.)	
8	Overall Diameter of Cable	65 mm (approx.)	
9	Conductor Resistance	0.325 Ohm / Km (approx.)	
10	Reactance of Cable at 50 Hz	0.112 Ohm/ Km (approx.)	
11	Capacitance of Cable	0.23 µF/ Km (approx.)	
12	Current Rating (Ground/Duct/Air)	220/190/260 Amps	
13	Short Circuit Current for 1sec Duration	12kA	

180 SQ.MM 4 CORE, 415V, XLPE ARMOURD ALUMINIUM LT CABLE:

Sl. No.	Technical Parameter	DD's Requirement	Tenderer's offer
1	Size (Cross Sectional Area)	180 Sq.mm	
2	Insulation Type	XLPE	
3	Insulation Thickness	1.60 mm (approx.)	
4	Armour Type	Flat Strip	
5	Minimum Inner Sheath Thickness	0.50 mm (approx.)	
6	Nominal Armour Strip Dimension	4 x 0.80 mm (approx.)	
7	Minimum Outer Sheath Thickness	2.04 mm (approx.)	
8	Overall Diameter of Cable	48 mm (approx.)	
9	Conductor Resistance at 90° C	0.211 Ohm / Km (approx.)	
10	Reactance of Cable at 50 Hz	0.072 Ohm / Km (approx.)	
11	Capacitance of Cable	0.29 µF/ Km (approx.)	
12	Current Rating (Ground/Duct/Air)	282/238/329 Amps	
13	Short Circuit Current for 1sec Duration	18kA (Approx.)	

240 SQ.MM 4 CORE, 415V, XLPE ARMOURD ALUMINIUM LT CABLE:

Sl. No.	Technical Parameter	DD's Requirement	Tenderer's offer
1	Size (Cross Sectional Area)	240 Sq.mm	
2	Insulation Type	XLPE	
3	Insulation Thickness	1.70 mm (approx.)	
4	Armour Type	Flat Strip	
5	Minimum Inner Sheath Thickness	0.60 mm (approx.)	
6	Nominal Armour Strip Dimension	4 x 0.80 mm (approx.)	
7	Minimum Outer Sheath Thickness	2.20 mm (approx.)	
8	Overall Diameter of Cable	54 mm (approx.)	
9	Conductor Resistance at 90° C	0.162 Ohm / Km (approx.)	
10	Reactance of Cable at 50 Hz	0.072 Ohm / Km (approx.)	
11	Capacitance of Cable	0.31 µF/ Km (approx.)	
12	Current Rating (Ground/Duct/Air)	327/276/392 Amps	
13	Short Circuit Current for 1sec Duration	23kA (Approx.)	

Schedule of Requirements:

Sl. No.	Cable Size	Cable Requirement
1	120sqmm, 11KV, 3C Armoured HT XLPE Aluminium Cable	270 Meter
2	240 Sqmm, 415V, 4C Armoured LT XLPE Aluminium Cable	260 Meter
3	180 Sqmm 415V, 4C Armoured LT XLPE Aluminium Cable	100 Meter

Terms and Conditions:

1. Rate should be quoted with GST
2. Insurance , Transportation and unloading charges to be quoted separately If any.
3. Cables should be delivered to **Doordarshan, GDDRC, L.B. Nagar, Chintalakunta, Hyderabad** only in cable bobbin/drum.