

NOTICE INVITING TENDER (NIT)

Tender No.: NIT-CABLE-IND-2025-03

Issued By: National Infrastructure

Development Corporation.

Date of Issue: 10 August 2025



**NATIONAL INFRASTRUCTURE
DEVELOPMENT CORPORATION**

Subject

Invitation for submission of bids for supply
of Electrical Wires and Cables for Process
Plant Expansion Project.

1. Brief Description of Requirement

National Infrastructure Development Corporation invites bids from eligible Original Equipment Manufacturers (OEMs) for supply of electrical wires and cables for its upcoming process plant expansion at Dahej, Gujarat.

2. Scope of Work

The successful bidder shall be responsible for manufacture, testing, inspection, packing, and delivery of the following cable items:

- Item 1: 33 kV Medium Voltage Power Cable
- XLPE insulated, armoured cable
 - 3 core aluminium conductor, 240 sqmm
 - Voltage grade: 33 kV
 - Conforming to IS 7098 (Part 2) / IEC 60502
 - Estimated quantity: 1,000 meters

Environmental & Deployment Requirement:

The cables shall be suitable for continuous operation under Indian climatic conditions with ambient temperature up to 50°C and shall comply with relevant IEC and IS standards.

Preference will be given to products with proven deployment in similar infrastructure projects.

Item 2: Instrumentation Cable

- Armoured and shielded instrumentation cable
- Copper conductor, 1.5 sqmm
- 10 pair configuration
- Voltage grade: 300 V
- Conforming to BS 5308 / IEC standards
- Estimated quantity: 2,500 meters

Environmental & Deployment Requirement:

The cables shall be suitable for continuous operation under Indian climatic conditions with

ambient temperature up to 50°C and shall comply with relevant IEC and IS standards. Preference will be given to products with proven deployment in similar infrastructure projects.

3. Testing and Inspection

The cables supplied under this contract shall be subjected to routine tests, acceptance tests, insulation resistance tests, and mechanical tests as per applicable standards. High voltage testing shall be applicable for medium voltage cables.

4. Commercial Terms

Bidders shall quote unit price per meter and total price for each item. Prices shall include packing and transportation. Testing charges shall be quoted separately. Indicative or synthetic pricing may be used for evaluation.

5. Bid Submission

Bidders shall submit their bids in two parts:

Part A – Techno-commercial bid

Part B – Price bid

Last date for submission of bids: 30 August 2025

6. Data & System Assumptions

This tender document is a representative sample created for evaluation and demonstration purposes. OEM datasheets shall be referred for validating specifications not explicitly mentioned. Product pricing and test pricing may be based on synthetic data.

7. Contact Information

Procurement Department

National Infrastructure Development Corporation

Email: procurement@nidcprojects.in