

Scope of Work (SOW)

Supply of 4 sqmm, Two-Core, Stranded Copper Conductor, PVC/PVC Insulated Power Cable (600~1000V)

1. Introduction

Oil & Gas Development Company Limited (OGDCL), the largest listed Exploration and Production (E&P) company in Pakistan, operates across all four provinces. One of its key assets is the **Uch Gas Field**, located in Dera Bugti, Balochistan, which houses two gas processing plants (Uch-I and Uch-II), each with a processing capacity of 300 MMSCFD.

OGDCL intends to procure **4 sqmm, two-core, stranded copper conductor PVC/PVC insulated power cable**, for application at the Uch Gas Field. The cable is intended for low-voltage (600~1000V) underground power distribution in industrial environments. Further details about OGDCL are available at www.ogdcl.com. This document defines the scope of work (SOW) for the procurement and delivery/supply of the required power cable and outlines the technical, quality and standards compliance requirements that must be met by the successful bidder.

2. Objective

To engage a qualified and experienced bidder/contractor for the procurement and timely supply of high-quality, low-voltage power cable, ensuring reliable, efficient and safe power transmission in accordance with applicable standards.

3. Technical Specifications

- The bidder shall supply cable that must meet or exceed the following requirements:
 - ◆ **Cable Type:** Two-core, stranded copper conductor power cable
 - ◆ **Conductor Material:** High purity stranded copper (as per IEC standards)
 - ◆ **Conductor Size:** 4 square millimeters (4 sqmm)
 - ◆ **Insulation:**
 - **Inner Insulation:** PVC (Polyvinyl Chloride)
 - **Outer Sheath:** PVC (Polyvinyl Chloride)
 - ◆ **Voltage Rating:** 600~1000V
 - ◆ **Applicable Standards:**
 - Compliance of IEC, BS & IS standards (or equivalent international/national standards)
- **Conductor Resistance:** As per IEC Standard
- **Temperature Ratings:**
 - ◆ PVC Insulation: Up to 90°C continuous operation (Continuous)
 - ◆ PVC Sheath: Up to 70°C continuous operation (Continuous)
- **Color Coding:** Red/Blue and Black (or as per international standard color codes)
- **Company:** Pakistan Cable, Newage, Fast or Equivalent

4. Quantity and Length:

- **Total Required Length/Quantity:** 6,000 meters
- **Length per Reel/Coil/Drum:** Full 6,000 meters (single continuous length)

5. Delivery Requirements:

- **Delivery Location:** Sukkur/Jacobabad (exact address will be communicated after PO)
- **Delivery Timeline:** Within Two **(2) weeks** from the issuance date of Purchase Order (PO)
- **Late Delivery Penalty:** Liquidated Damages (LD) of up to 5% of the total contract value (excluding tax), charged on a weekly basis for delays.

6. Packaging and Handling

- Cables must be securely packaged to prevent physical damage during transportation.
- Each reel/coil/drum must be clearly labeled with the following information:
 - ◆ Cable type & description: 4 sqmm, Two-Core, Stranded Copper Conductor, PVC/PVC
 - ◆ Voltage rating: 600~1000V
 - ◆ Manufacturer's name and country of origin
 - ◆ Manufacturing date
 - ◆ Net/Exact cable length on the drum/coil
 - ◆ Batch/serial number for traceability (if possible)
 - ◆ Handling/storage instructions (where applicable)

7. Quality Control and Assurance

- The supplied cable must strictly confirm to international quality and safety standards (IEC, BS, IS, etc.), The bidder must provide verifiable test documentation/reports covering the following:
 - ◆ Conductor resistance
 - ◆ Dielectric strength
 - ◆ Insulation resistance
 - ◆ Voltage withstand test
 - ◆ Continuity test
 - ◆ Flame retardancy (if applicable)
- The cable must be visually inspected and free from physical defects, such as cracks, cuts, voids, or moisture ingress that could impact the cable performance or longevity.

8. Bidder Requirements

- The bidder/contractor must meet the following eligibility and documentation criteria:
 - ◆ Cables must be procured/sourced from a certified manufacturer or authorized distributor
 - ◆ The bidder must demonstrate prior experience in the supply of electrical cables for industrial applications
 - ◆ The following documentation must be provided:
 - Compliance certificates (IEC/BS/IS or equivalent)
 - Electrical and mechanical test certificates
 - Technical data sheets (TDS)
 - Manufacturer's warranty certificate
 - Routine and type test reports

- Quality assurance documentation
- Proof of manufacturing/distribution authorization
- Delivery capacity conformation
- Relevant project reference (optional)

9. Health, Safety & Environmental (HSE) Compliance

- The supplier/bidder/contractor must comply with all applicable HSE laws and guidelines during cable transportation, handling and storage.
- Packaging should be **eco-friendly and recyclable** where possible.

10. Payment Terms:

- **Payment Mode:** Online bank transfer upon successful delivery and inspection report approval.
- **Terms:** No advance payment shall be made. Full payment will be processed only after inspection and formal acceptance of the cable by the authorized OGDCL representative.

11. Cost Estimate

- The bidder must quote a **lump sum cost** including all taxes and charges for the supply of cable, in accordance with the technical specifications, as per **Annexure-I**.

12. Warranty

- The bidder must obtain and provide a **manufacturer's warranty** for a minimum period of **one (1) year** from the date of delivery.

- Any manufacturing defects identified during this period must be rectified or the cable replaced **free of cost**.

Terms Of Reference (TOR)

Supply of 4 sqmm, Two Core, Stranded Copper Conductor,PVC/PVC Insulated Power Cable (600~1000V).

Introduction

Oil & Gas Development Company Limited (OGDCL), the largest Exploration and Production listed company in Pakistan, has operations at various locations and fields across all four provinces. One such location is the Uch Gas Field, which houses two plants, each with a capacity of 300MM (Uch-I & Uch-II), located in Dera Bugti, Balochistan. OGDCL intends to hire the services of a bidder/contractor for the supply of 4 sq mm, two-core, stranded copper conductor power cable PVC/PVC insulated for the Uch Gas Field. Additional information about the company can be obtained from the website: <http://www.ogdcl.com>.

The scope of work (SOW) outlines the requirement for the supply of 4 sq mm, two-core, stranded copper conductor power cable, PVC/PVC insulated. The cable is intended for low-voltage (600~1000V) power distribution and will be used as a feeder for underground installation in industrial facilities. The selected bidder shall supply cable that comply with the standards specified in this document.

Purpose of Bids

The main objective is to hire the services of bidder/contractor to supply a 4 sq mm, two-core, stranded copper conductor power cable PVC/PVC insulated. Following are the detailed requirements and **Terms Of Requirements (TORs)** for the bidder.

- I. The bidder shall Supply 4 sq mm, two-core, stranded copper conductor power cable PVC/PVC insulated.

- II. Bidder shall deliver power cable at Sukkur/Jacobabad sindh and shall bear all labor, materials, equipment, and necessary tools charges by himself.
- III. Bidder shall quote the lump sum price for 4 sq mm, two-core, stranded copper conductor PVC/PVC insulated power cable, including all taxes as per Annexure-I. Contract will be awarded to the lowest in total cost (Annexure-I).
- IV. Bidder shall deliver power cable within 2 weeks after confirmed purchase order.
- V. The inspections of complete material will be carried out at Uch Gas Field by OGDCL officials.
- VI. Liquidated Damages (LD) of up to 5% of the total contract value (excluding tax), charged on a weekly basis for delays.
- VII. Payment will be made through Online/ Cross Cheque from HO, IBA after submission of all documents, and inspection report by authorized OGDCL representative.
- VIII. Partial payment or advance cannot be made in any case.
- IX. All participating bidders should have at least 3 years' experience of such type of works/projects for which the bidder must provide at least three (03) POs of similar works/projects.
- X. Bidder must comply with industry HSEQ practices.
- XI. The bidder must provide a valid tax registration certificate i.e. NTN and PST and business location / address and telephone numbers.
- XII. Earnest money/ bid bond of **Rs:50,000.00** in the shape of P.O/ DO Bank Guarantee shall be submitted with the bid.
- XIII. The bidder must submit the following documents with their proposal:

- Detailed technical specifications of the offered cable.
- Manufacturer's certification confirming compliance with IEC, BS, IS, or other relevant standards.
- Price breakdown, including unit price per meter/reel, and total price
- Lead time for delivery.
- Packaging and labeling details

BIDDER SELECTION & EVALUATION CRITERIA

Sr#	DESCRIPTION	Yes/No
i	Valid NTN/PST certificate	
ii	Affidavit of Non-Black Listing duly attested by Notary Public	
iii	Business address and telephone number	
iv	Bidder must have three (3) years' experience of installation of security surveillance and monitoring system. PO of last three years to be provided.	
v	Clean acceptance of the TOR & SOW	
vi	Evaluation Criteria based on: i: Compliance with technical specifications ii: Price competitiveness iii: Delivery time	

FINANCIAL BID FORMAT

Sr#	Description	Quoted Price
1	Total Cost for Annexure-I	
	Grand Total	

1- Bidder to quote the price inclusive of all taxes.

2- Contract will be awarded to the lowest bidder/contractor in total

Annexure-I

S.NO	REQUIRED ITEM	SPECIFICATIONS	QTY	UM	Lump Sum Amount
1	4 sq mm, 2 Core Power Cable	Supply of 4 sqmm, Two-Core, Stranded Copper Conductor, PVC/PVC Insulated Power Cable (600~1000V)	6000	MTR	
Total Lump Sum Amount					
Taxes (All Taxes)					
Grand Total Amount					