



DEENDAYAL PORT AUTHORITY

ISO 9001:2008 | ISO 14001 | ISPS Compliant Port



Office of Executive Engineer (Electrical), Ground Floor, Nirman Building, New Kandla, Kutch, Pin Code 370210.

No.: EL/WK/2862/

Date:03/01/2025

EXPRESSION OF INTEREST [EOI]

"Supply, Installation, Testing & Commissioning of 4C X 300sqmm XLPE Aluminum conductor armored cable at Hazira RoRo Terminal"

(This EOI is issued to elicit Expression of Interest from the parties interested in the work and does not constitute any binding commitment from the Deendayal Port Authority to proceed with the work or invite any or all the parties in the subsequent bidding process. The Open Tenders will be issued subsequently.)

Executive Engineer (Electrical), DPA invites Expression of Interest for the work of **"Supply, Installation, Testing & Commissioning of 4C X 300sqmm XLPE Aluminum conductor armored cable at Hazira RoRo Terminal"** from the reputed firms from those who have executed similar work in Government/public sectors and other leading private organizations. The Expression of Interest (EOI) documents containing details of Scope of Work and Technical Specifications are enclosed herewith.

The interested firms are requested to submit their expression of interest for the said work in BOQ format as enclosed at Annexure I. The completed EOI (Expression of Interest) shall be submitted to the office of the undersigned on or before 11/01/2025. A soft copy of EOI is also acceptable through e-mail Id anantrao.kumthekar@deendayalport.gov.in & Deepak.hazra@deendayalport.gov.in .

-/sd

Executive Engineer (E)
Deendayal Port Authority

Annexure – I

Sr. No	Item Description	Qty	Unit	Rate	Amount
1	Supply of 4C X 300sqmm LT armoured aluminum conductor XLPE cable of 1.1KV grade IS: 7098 (Part - I)1985 as per Technical Specification No. 01	600	RMT		
2	Laying of 4C X 300sqmm LT armoured aluminum conductor XLPE cable of 1.1KV grade in Hard & Soft Soil as per Technical Specification No. 02	360	Meter		
3	Laying of 4C X 300sqmm LT armoured aluminum conductor XLPE cable of 1.1KV grade in Road crossing as per Technical Specification No. 03	40	Meter		
4	Supply and Fixing of GI Cable Tray of size 150mm as per Technical Specification No. 04.				
	(a)Supply	50	Meter		
	(b)Fixing	50	Meter		
5	Laying of 4C X 300sqmm LT armoured aluminum conductor XLPE cable of 1.1KV grade in existing cable tray as per Technical Specification No. 05	80	Meter		
6	Laying of 4C X 300sqmm LT armoured aluminum conductor XLPE cable of 1.1KV grade in existing cable duct as per Technical Specification No. 06	120	Meter		
7	Supply and Fixing of 400Amp, 36Ka, 50Hz, AC 4pole MCCB with extended terminal as per Technical Specification No. 07.				
	(a)Supply	1	No.		
	(b)Fixing	1	No.		
8	Supply & Fixing of 400Amp, 415V, 50Hz AC 4pole Change Over, Switch, manual operated cubicle switch at site.				
	(a)Supply	1	No.		
	(b)Fixing	1	No.		

Total

(In words Rupees _____ only)

(NOTE: The rates should be inclusive of all taxes, duties, fees, cess etc. and all incidental charges;but exclusive of GST).

Signature & Seal of Firm

-/sd
Executive Engineer (E)
Deendayal Port Authority

SCOPE OF WORK & TECHNICAL SPECIFICATION

The work includes Supply, Installation, Testing & Commissioning of 4C X 300sqmm LT XLPE armoured cable from existing electrical room to Jetty Pontoon area, as earlier 02 Nos. LT cables are already layed in ground, road crossing, existing trench, the same route is to be followed for the new cable also. However, contractor is directed to execute the work safely so that no any unknown incidence can happen and if, any occurs contractor, himself held responsible for same. The work is to be execute to the best workmanship. The Contractor has to arrange all tools, tackels etc. at his own expense. After completion of work contractor has clean site properly.

Technical Specification No. 01

This includes supply at site 1.1 KV grade, 4 core X 300sqmm aluminum conductor, XLPE insulated armoured cable conforming to IS: 7098 (Part-I) 1985 with up to date amendments and of approved make with ISI mark. The manufacturer shall produce TYPE TEST certificate with similar size of cable, which shall not be more than 3 years old. The cable shall have marking/embossing at the interval of every meter showing its progressive length. During the cable inspection, the manufacturer shall show the relevant ROUTINE TESTS to inspecting authority or otherwise the Manufacturer shall produce the routine test certificate during supply of cable at site. This includes all the labour, taxes loading, unloading at site as directed by Engineer-in-Charge, but excluding GST.

Technical Specification No. 02

Laying in Hard/Soft Soil:

This includes laying of single length 1.1 KV grade, 4 core X 300sqmm LT armoured aluminum Conductor XLPE Cable of 1.1KV Grade (excluding supply of cable) through excavation in soft/hard soil. The trench to be excavated 0.3 mtr. wide 1.0 mtr. deep. The bed of 50mm of river sand shall be provided in the bottom of the excavated trench. The cable shall be laid over the bed of river sand. This includes providing & laying of bricks on both sides of cable lengthwise i.e. parallel to the cable and the gaps shall be filled by fresh river sand. The cable shall be covered by keeping two bricks over the side bricks. The filling of the trench shall be done with the excavated stuff & should be watered and rammed properly to its original position. The excess excavated stuff shall be disposed off from the Site of work and spreaded in low laying area as directed. The contractor has to places cable route marker at and interval of 20-meter length of cemented stone 500mm above ground level. The contractor shall provide additional heat shrinkable straight through joint of relevant size of approved make if the laying of cable shall be more than standard drum length. Similarly, both side end termination with proper heavy duty aluminium lug with gland and earthing shall be done The rates shall be inclusive of all material, required tools tackles and labour and as directed by Engineer-In-charge, but excluding GST.

Technical Specification No. 03

Laying of heavy duty HDPE Pipe of suitable size (i.e. 150mm and above) for road crossing:

This includes passing of 4 core X 300sqmm LT armoured aluminum Conductor XLPE Cable of 1.1KV Grade (excluding supply of cable) through HDD, LT cable through heavy duty HDPE Pipe. The pipe shall be sealing at the both end by suitable cap after the laying of cable in HDPE pipe. The HDPE Pipe shall be of single length only. The rates shall be inclusive of all material, required tools tackles and labour and as directed by Engineer-In-charge, but excluding GST.

Technical Specification No. 04

Supply & Fixing of cable tray at Pantoon:

This includes Supply and Fixing of GI Perforated Cable Tray of size 150mm width X 2mm thickness X 1m long length & 150mm deep with its accessories and same shall be installed with proper supports on the pontoon area. Laying of single length 1.1 KV grade, 4 core X 300sqmm LT armoured aluminum Conductor LT cable through cable tray. The pipe shall be sealing at the both end by suitable cap after the laying of cable in HDPE pipe. The rates shall be inclusive of all material, required tools tackles and labour and as directed by Engineer-In-charge, but excluding GST.

Technical Specification No. 05

Laying of 4C X 300sqmm LT armoured aluminum conductor XLPE cable of 1.1KV grade in existing cable tray.

This includes Laying of 4C X 300sqmm LT armoured aluminum conductor XLPE cable of 1.1KV grade in existing cable tray Laying of single cable size of 4CX300 Sq.mm (E) XLPE Cable through existing cable tray. A cable lying, which shall include the route cable tagging, dressing, removing the old unused cable from the route, appropriate size of glands & ferrule work as per requirement etc, if, required minor fabrication work shall be done by contractor, the rates shall be inclusive of all material, required tools tackles and labour and as directed by Engineer-In-charge.

Technical Specification No. 06

Laying of 4C X 300sqmm LT armoured aluminum conductor XLPE cable of 1.1KV grade in existing cable duct. Contractor has to open concrete cover of cable duct properly, similarly after cleaning of the cable duct new cable is to be laid adjacent to the existing cable thereafter cover is to be laid properly, however, if any covers gets breaks during at work or in past same covers are to be pre-casted by Contractor and after proper curing same is to laid on same. The rates shall be inclusive of all material, required tools tackles and labour and as directed by Engineer-In-charge.

Technical Specification No. 07

Supply and Fixing of 400Amp, 36Ka, 50Hz, AC 415V, 4pole MCCB with extended terminal with latest IS, IP Standards. The above MCCB is to be fixed in the existing feeder pillar at pontoon area by removal of old MCCB and to fix against same with proper alignment and its hardware. Similarly, cable termination is to be done in proper shape inside the feeder pillar. The old MCCB is to be handed over to DPA. This also includes glanding of proper size. The rates shall be inclusive of all material, required tools tackles and labour and as directed by Engineer-In-charge.

Technical Specification No. 08

Supply and Fixing of 400Amp, 50Hz, AC 415V, 4pole Manual operated change over switch in cubical latest IS, IP Standards. The change over switch is to be fixed adjacent to the existing feeder pillar with minor fabrication work for fixing of same at pontoon area by proper cabling with proper alignment and its hardware. Similarly, cable termination is to be done in proper shape inside the feeder pillar. This also includes glanding of proper size. The rates shall be inclusive of all material, required tools tackles and labour and as directed by Engineer-In-charge.

**-sd/
Executive Engineer (E)
Deendayal Port Authority**

Approved Make List of Electrical Items

Sr. No.	Description	Recommended Makes
1	HV VCB	Siemens/ Crompton Greaves/ ABB/ Schneider
2	HV Gas Insulated Breaker	Siemens/ Schneider/ ABB
3	Power Transformer	Voltamp/ Crompton Greaves/ Bharat Bijlee/ BHEL/ Siemens/ ABB/ Schneider/ T&R
4	Distribution Transformer	EMCO/ Kirloskar/ Patson/ Voltamp/ ABB/ Schneider/ T&R
5	Resin Cast Transformer	Voltamp/ Kirloskar/ EMCO
6	Dry Cast Transformer	Voltamp/ Kirloskar/ EMCO
7	HT XLPE Cable	Polycab/ Torrent/ RPG Asian/ Gloster/ Unistar
8	LT XLPE Cable	Polycab/ Torrent/ RPG Asian/ Rallison/ Primecab/Havells/ Unistar/ Avocab/ Allcab/ Adcab
9	LT ACB	Siemens/ LK E&A/ Schneider Electric/ C&S
10	Protection Relay	Areva/ LK E&A/ Siemens/ ABB/ C&S
11	LT Panel	CPRI Approved
12	Changeover Switch	Siemens/ LK E&A/ ABB/ C&S/ Schneider Electric/Legrand/ Indoasian
13	SFU for Main LT Distribution Panel	Siemens/ LK E&A/ ABB/ C&S
14	SFU for Distribution Panel & Feeder Pillar	Siemens/ LK E&A/ ABB/ C&S/ Schneider Electric/Legrand/ Indoasian/ Havells
15	MCCB for Main LT Distribution Panel	Siemens/ LK E&A/ ABB
16	MCCB for Distribution Panel & Feeder Pillar	Siemens/ LK E&A/ ABB/ C&S/ Schneider Electric/Legrand/ Indoasian/ Havells
17	MCB/ELCB/RCCB/RCCBO for Main LT Distribution Panel	Siemens/ Hager/ LK E&A/ ABB
18	MCB for Distribution Panel & Feeder Pillar	Siemens/ LK E&A/ ABB/ C&S/ Schneider Electric/Legrand/ Indoasian/ Havells/ Standard
19	Distribution Board	Standard/ Hensel/ Legrand/ Indoasian/ Havells
20	Multi-Function Digital Meter for Main LT Distribution Panel/ Digital kWh Meter	LK E&A/ Enercon/ Secure/ L&G/ Rishabh
21	Analog Volt/Ampere Meter for Distribution Panel & Feeder Pillar	Rishabh/ AE/ Enercon/ LK E&A
22	Selector Switch for Voltmeter/Ampere Meter	LK E&A/ Siemens/ C&S
23	Power Contactor & Overload Relay	LK E&A/ Siemens/ ABB
24	Quartz Time Clock Switch	LK E&A/ Indoasian/ Siemens
25	PVC Wire with Copper Conductor	RR Kabel/ KEI/ Polycab/ Milex/ Gujcab/ Standard/ Finolex/ Anchor
26	Flush type Switch, Socket, Holder, Ceiling Rose & Electronic Regulator	Anchor/ MK/ Northwest/ Vinay/ Panama/ Havells

27	Bells/ Call Bells	Anchor/ Legend/ MK/ Northwest
28	Modular Switch, Socket, Plate & Box	Anchor/ MK/ Northwest/ Legrand/ Havells/ Indoasian/ Siemens
29	PVC Conduit/ Oval Conduit & Casing Capping and Accessories	Precision/ Vulcan/ Finolex/ Garware/ Restoplast/ Swastik/ BPI
30	Lamp & Fluorescent Lamps	Philips/ Bajaj/ Wipro/ Crompton/ Osram/ Surya Roshni/ GE
31	HPMV & Metal Halide Lamps	Philips/ Bajaj/ Wipro/ Crompton/ Osram/ Surya Roshni/ GE
32	Ignitor for HPSV & Metal Halide Lamps	Philips/ Bajaj/ Wipro/ Crompton/ Osram/ Surya Roshni/ GE
33	Luminaries	Philips/ Bajaj/ Wipro/ Crompton/ Osram/ Surya Roshni/ GE
33	LED Luminaries	Philips/ Bajaj/ Wipro/ Crompton/ Surya/ Pyrotech/ Syska/ Nessa/ Havells having Surge Protection \geq 10kV for Fittings & Internal Surge Protection for Driver of \geq 4kV, LED Chip of only OSRAM/ CREE/ Philips Lumileds/ Citizen/ Nicia, with LM79 & LM80 Certification
34	Ceiling Fan	Bajaj/ Orient/ Usha/ Crompton/ Almonard/ GEC
35	Wall mounting Fan	Bajaj/ Orient/ Usha/ Crompton/ Almonard/ GEC
36	Exhaust Fan	Bajaj/ Orient/ Usha/ Crompton/ Almonard/ GEC
37	Heavy duty Industrial Wall mounting Fan	Bajaj/ Orient/ Usha/ Crompton/ Almonard/ GEC
38	Water Cooler	Voltas/ Usha/ Blue Star
39	Air Conditioner	Voltas/ Carrier/ Blue Star/ Usha/ Hitachi/ LG/ Samsung/ Onida
40	Refrigerator	Voltas/ Carrier/ Blue Star/ Usha/ Hitachi/ LG/ Samsung/ Whirlpool
41	Voltage Stabilizer	Veeline/ Capri
42	Inverter	Sukam/ Microtek
43	Engine for D.G. Set	Cummins/ Greaves/ Kirloskar/ Caterpillar/ Ashok Leyland/ Volvo
44	Alternator for D.G. Set	Stamford/ Crompton Greaves/ Jyoti/ Kirloskar Electric
45	Electric Motor	Alstom/ Crompton Greaves/ Siemens/ Kirloskar/ ABB
46	Water Pump	Swastik/ KSB

47	Water Geyser	Bajaj/ Usha/ Crompton Greaves/ Spherehot/ Racold
48	Lug & Cable Glands	Dowells/ Jainson/ Braco

**-sd/
Executive Engineer (E)
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TERMS AND CONDITIONS

- (1) **Time Schedule: The work shall be completed within 30 days from the date of issue of Work Order.**
- (2) The bidder, at his own responsibility and risk is encouraged to visit and examine the site of work and its surroundings and obtain all information that may be necessary for preparing the Bid. The costs of visiting the site shall be at the Bidders' own expense.
- (3) DPA will award the work to the bidder whose bid has been evaluated to be techno – commercially responsive and the lowest evaluated amount bid.
- (4) Work shall be guaranteed for 12 months from the date of completion of the work.
- (5) The rates should be quoted in figures and words both. In case of difference in figure & words, the rate mentioned in words will be considered.
- (6) The contractor shall affix SEAL along with SIGNATURE in the Offer.
- (7) The work shall be carried out in accordance with the best standards of workmanship and to the entire satisfaction of the Engineer in-Charge.
- (8) Security Deposit @ 5% recovered from the bill and the SD can be released only after successful completion of guarantee period.
- (9) **Payments Terms:**
 - 50% payment will be released after receipt of material at site in good condition, after obtaining insurance cover as per tender condition.
 - 50% payment will be released after successful completion of whole work after complete charging & energizing in presence of DPA representative and handing over to DPA.

All payments shall be made in Indian rupees unless specifically mentioned
- (10) Payment will be made by RTGS only after satisfactory completion of work and submission of duly signed bill.
- (11) The contractor shall not deposit any materials at such a place that may cause inconvenience to the public or staff or nearby offices.
- (12) The Contractor shall execute the work in such a way that not to cause inconvenience to the public or staff or nearby offices and not to cause hindrance. Necessary barricading shall be done by the contractor at his own cost if required.
- (13) Income-tax and surcharge as applicable will be deducted from the bill while making payment to the contractor for carrying out the work and only net amount shall be paid to the contractor.
- (14) All the materials should be got approved from Engineer-in-Charge before put into use.
- (15) All the rules and regulations governing DPA will be applicable.
- (16) After completion of the work, the site should be neatly cleaned by the contractor.
- (17) The contractor shall ensure not to cause any damages to the port/RoRo Terminal properties in the vicinity of work site during execution of work. If any damage occurs due to workmen/machinery of the contractor, the contractor has to make good the loss / damage at his cost.

- (18) For Entry & exist of material and contractor personnel, pass shall be arranged by firm.
- (19) The contractor shall quote the price exclusive of GST. The contractor shall quote prevailing GST rate separately, which shall be reimbursed by DPA after ascertaining necessary compliance as per Goods & Service Tax, 2017. All other duties, taxes, cesses applicable if any, shall be borne by the contractor.

Income-Tax deductions and surcharge as applicable thereon shall be made good while making payments due to the contractor for carrying out the work and only net amount shall be paid as directed by the Central Board of Direct Taxes, Ministry of Finance, Government of India.

The rates quoted by the contractor shall be deemed to be inclusive of the taxes, duties etc. which the contractor will have to pay for the performance of this contract, except GST. The employer will perform such duties in regard to the deduction of such taxes at sources as per applicable law.

- (20) All the work shall be carried out to the entire satisfaction of Engineer in-Charge.

Signature & Seal of Contractor

**-sd/
Executive Engineer (E)
Deendayal Port Authority**

