Thermo Cables



Defence Cable Solutions

Since 1990, Thermo Cables Limited has engineered high performance, customized cable systems for the world's most demanding environments. 60% of our products are exported globally, serving as the strategic backbone for mission-critical sectors. With R & D expertise, unmatched financial strength and a strategic subsidiary in the Kingdom of Saudi Arabia (Thermo Cables Arabia Limited), we ensure project continuity for our partners worldwide.

Thermo Group Ecosystem

Thermo Cables: Global Expert in Speciality Cables Manufacturing.

Thermopads: Global Specialists in Commercial, Domestic and Industrial Heating Solutions.

Thermosystems: Turnkey EPC leaders in Fuel Oil Handling and Fire Protection Systems.



Major Approvals

ADNOC - OFFSHORE
ADNOC - ONSHORE
ALBA
AP GENCO & TRANSCO
ARO DRILLING
AVANT GARDE
BALTIC CHEMICAL PLANT
BAPCO ENERGIES
BDL, BEL, BEML, BHEL, BLW
BOROUGE
BPCL
CLW, CMRL, CSL
DESEIN LTD, DGMS, DVC
DLW, DMDE & DMW
DLRL, DMRL & DMRC
DOLPHIN ENERGY
DRDO - ASL & DRDL
DUBAI WORLD
EGA
ENGINEERS INDIA LTD
ENOC
EXPRO
FICHTNER CONSULTING
GRSE, GSPC
GOA SHIPYARD
HALLIBURTON
HINDUSTAN SHIPYARD
HPCL, HAL, HMRL
INTERNATIONAL MARITIME INDUSTRIES
IOCL, ICF, ISRO
JACOB'S H & G
KNPC - KUWAIT
KOC - KUWAIT
LAMPRELL
L & T
MAADEN
MATERIAL ORGANISATION - KARWAR
MATERIAL ORGANISATION - MUMBAI
MATERIAL ORGANISATION - VIZAG
MECON, MEW, MCF
MN DASTUR & CO.
MAZGOAN DOCK LIMITED
MUMBAI PORT TRUST
NMDC ENERGY
NORTH OIL
NPCIL, NSTL, NTPC
ONGC
ORLEN, OXY
PDIL, PGCIL
PDO OMAN, PETRONAS
PETROPERU
QAFAC, QCHEM
QATAR ENERGY, QATAR PETROLEUM
RCF
SABIC
SAIL, SAIPEM
SAPURA ENERGY
SAR
SHELL, SONATRACH
TATA CONSULTING ENGINEERS
TECNIMONT ICB LTD
TOYO ENGINEERING INDIA LTD
THYSSENKRUPP

Stringent quality retention on par with global standards of thorough precision, Thermo Cables is a name to reckon with in terms of meeting complete customer demand by producing and delivering a wide range of cables. Our commitment to quality, on-time delivery, and competitive pricing has earned us a strong reputation across the industry.

Product Range

- Instrumentation Cables
- Power, Control & Earthing Cables
- Thermocouple Cables
- Fire Resistant Cables
- High Temperature / Heat Resistant Cables
- Foundation Fieldbus Cables
- Special Application (LFH) Cables
- Renewable Energy Cables
- Naval Application Cables
- Marine / Shipboard Cables
- Pressure Tight (PT) Cables
- Digital Data Communication Cables
- Railway Cables
- Material Handling Cables
- Type P Cables
- VFD Cables
- Co-Axial Cables (RG Series)
- ESP Cables
- Downhole (TEC) Cables
- Electromechanical Cables
- Cathodic Protection Cables
- Custom Wiring & Cable Harnesses
  - Railway
  - Defence
  - Wind
- IV Coupler & Jumper Cable Assembly
- Cable Systems

Why Us

- Leading & reputed manufacturer of Speciality Cables
- One stop solution for all Low Voltage Cables
- Serving satisfied customers since 30+ years across 60+ countries
- In-house wire drawing, compounding, Electron beaming and testing facilities
- Quick response time and offer submission in less than 24 hours

Quality & Reliability

- An ISO 9001:2015 certified company with proven track record of delivering quality products
- NABL accredited full-fledged in-house testing laboratory
- Environment, Occupational Health and Safety Systems adhering to ISO 14001:2015, 45001:2018
- 15% of power consumption sourced through in-house generated renewable energy

Standards

- Cables designed and manufactured conforming to various National and International Standards

General Cables: ANSI MC 96.1, BS-6346, BS-5467, BS-7629, BS-6387, BS-7846, BS-5308-I & II, BSEN- 50288-7, IEC-60502-I, IEC-60189-I & II, IEC-60228, IEC-60584-I & III, IEC-60331, IS-8784, IS-613, IS-694, IS-1554-I, IS-7098-I, BS 16246, BS 7211, IEC 60227, UL 13, UL 44, UL 83, UL 1277, UL 2250.

Railway Cables: ELRS-0019 REV-4, CLW-0458 ALT-E, CLW-0459 ALT-C, EDTS - 132 REV - C, EDPS - 179, EDPS - 304, EN - 50264 - 3 - 1 & 2, EN - 50306 - 1, 2, 3 & 4, EN - 50382 - 1 & 2, EN - 45545 - 2, IEC 61156 - 6.

Navy & Marine Cables: EED 50-12 REV-3, EED 50-13 REV-2, DEF STAN 61-12 PART 18, DEF STAN 61-12 PART 31, DEF STAN 02-526, DEF STAN 02-527, MIL - DTL-24640C, MIL - DTL 24643C, IEC 60092 - 350, 353, 376 & 360, BS 6883, BS 7917, IS 9968 Part - I, IS 6380, EN 50525 - 2- 11-12-21-22-41-42, EN 50618, IEEE 1580

Mining Cables: IS 14494, **Co-Axial Cables:** MIL - DTL - 17H,

High Temperature / Aerospace Cables: JSS 51034, 51038, SAE-AS 22759 / 32A, 34B, 41B, 43B, 44A, 45A, 80D, 83E, 84E, 85E, 86E, 87E, 88E, 89E, 90D, 91D, 92D, ANSI / NEMA - WC - 27500, UL 13, UL 44, UL 1277, UL 2250.

Valuable Assets

- Over 5,00,000 sq ft of infrastructure facilities with latest technology
- 2250+ dedicated & high performing workforce
- Experienced & professional leadership team
- Offers technical support in cable selection through SAP



Naval Application Cables

On Board Indian Naval Ships and Crafts Cables

For use on board Surface Ships, Submarines and Crafts for Power, Lighting, Control, Communication and Instrumentation. Used in Fuel and Lubrication Oils, Hydraulic Fluids and Water Surfaces.

Standards	:	EED-50-12-Thin Walled, Insulated, Electron Beam Cross Linked Irradiated Electric Cables EED-50-13-Fire Survival, High Temperature Zone, Fire Retardant Halogen Free Sheathed Electron Beam Cross Linked
Construction	:	Single Core, Multi Core, Multi Pair & Triad Cables, Unscreened / Individually Screened or Collectively Screened
Voltage Grade	:	440 V AC, 600 V AC and 1800 V AC (for Single Core Cables)
Conductor	:	Circular Electroplated, Annealed Tinned Flexible (Class V) Copper Conductor conformity with IEC 60228
Temperature Range	:	- 65º C to 120º C (EED-50-12 Cables) - 30º C to 120º C (EED-50-13 Cables)
Insulation	:	Electron Beam Cross Linked Polyolefin compound (EPR / EPDM LFH) / Silicon Rubber
Screening	:	Annealed Tinned Copper / GI Wire Braids
Outer Sheath	:	Electron Beam Cross Linked Polyolefin Compound (EVA / EMA / EEA LFH)
Protective Barrier	:	Fibre Glass Braid / Lacquer Mica glass tape to meet the Fire Performance (applicable for EED-50-13 Cables)

Special Navy Cables

Power Navy Cables, Light Power Navy Cables, Telecommunication Navy Cables, Light Telecommunication Navy Cables.

Construction	:	Multi Core Cables, Multi Pair Cables Unscreened or Individually Screened or Collectively Screened (Optional GI braided armoured) Limited Fire Hazard Sheathed
Conductor	:	Circular Annealed Bare Copper conductor
Insulation	:	EPR / HEPR as per relevant spec
Screening	:	Annealed Tinned Copper Braid, Individually Screened or Collectively Screened as per relevant spec
Outer Sheath	:	LFH Elastomeric Thermoset Compound
Temperature Range	:	- 30° C to + 90° C
Application	:	For use on board surface ships and crafts and power, control, lighting, submarines for communication and instrumentation circuits



Pressure Tight (PT) Cables

Power, Control & Signal Cables, Data Communication, RF Cables, Halogen Free and Flame Retardant, Fire Survival with low smoke generation and low toxic properties of insulation & Sheath. These cables are suitable and designed to withstand radial and axial pressure up to 10 to 72 bar.

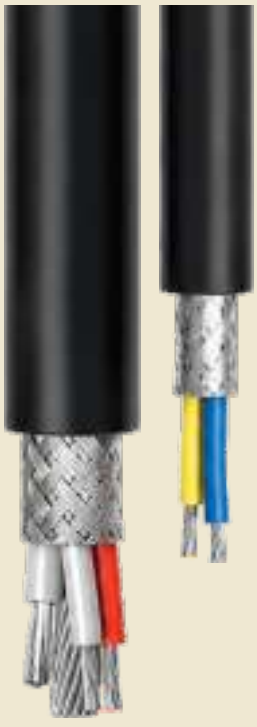
Specification	:	EED 57-03 & EED 57-04
Construction	:	Single Core, Multi Core, Multi Pair, Unscreened, Individually Screened & Collectively Screened
Voltage Grade	:	250 V AC, 600 V AC to 1000 V AC
Conductor	:	Circular electrolytic Bare and Tinned or Silver Plated Copper
Temperature Range	:	- 30° C to +120° C
Insulation	:	Special halogen free and fire retardant with low smoke generation and low toxic polymers with E-beam curing process
Screening	:	Annealed Bare / Tinned / Silver Plated Copper
Outer Sheath	:	Special halogen free and fire retardant with low smoke generation and low toxic polymers with E-beam curing process
Water Blocking Compound/Tape	:	Provided to withstand pressure requirement
Application	:	Used in Submarines for Power, Control, Lighting and Communication and Instrumentation circuits

UL/CSA Listed High Temperature Aerospace & Missile Wires & Cables

High Temperature Cables are used in areas where both working temperature and ambient temperatures are too high. They are made with a wide range of conductors, insulating materials and screening materials depending on the temperatures and conditions under which the cable has to perform.

Construction	:	Single Core high temperature hook-up wires & Multi Core / Multi Pair, Screened / Unscreened and Armoured / Braided Cables
Voltage Grade	:	250 V AC, 600 V AC & 1000 V AC (Rating as per MIL-16878, VDE, DIN, ANSI)
Insulation Materials	:	PTFE / FEP / PFA / PEEK / ETFE / XL-ETFE / Silicon Rubber / Varnished Fibre Glass Braid

Electron Beam Cross Linked ETFE (XL-ETFE), a type of Thermoset Insulation, provides excellent fluid / oil / moisture resistance also creates increased stability at higher temperatures. Wires and Cables conforming to MIL-W-22759 / 32-35 & 41-46 and MIL-STD-2223.



Digital Data Communication Cables

CAT5e | CAT6 | CAT6A | CAT7| WTB | MVB | ETHERNET

These cables are designed for reliable, high-speed digital signal transmission in communication networks. Suitable for control, monitoring, instrumentation, diagnostics, and industrial communication applications, ensuring dependable data exchange between interconnected electrical and electronic systems.

Cable Configuration	:	Pair / Quad (4 Cores)
Conductor	:	Annealed Bare Copper / Annealed Tinned Copper (Solid / Stranded / Flexible)
Conductor Size	:	22 AWG, 23 AWG, 24 AWG, 25 AWG, 26 AWG, 0.25 mm^2, 0.50 mm^2
Primary Insulation	:	Solid PE / Foamed PE
Screening (Optional)	:	Annealed Tinned Copper Braiding
Outer Sheath	:	PVC / FR PVC / FRLS PVC / ZHFR / LSZH / EBXL EVA / EBXL Special Compound (EM101 / EM104)
Fire survival (As per requirement)	:	Safely position Mica Tape to meet the requirement as per EN 50200 PH-30
Standards	:	ISO / IEC 11801, IEC 61156-6, ANSI / TIA-568.2-E
Application	:	Train Communication Network (TCN). Control & Instrumentation Systems. PLC & Automation Systems. Process Control & Monitoring. Diagnostic & Data Acquisition Systems
Key Features	:	High-speed data transmission. Excellent signal integrity. Low attenuation & controlled. impedance. Superior EMI shielding (screened versions) Fire Survival options available



Marine / Shipboard Cables

DEF STAN 02-526 (NES 526) and DEF STAN 02-527 (NES 527)

For use on board surface ships and crafts for power, control, lighting and communication and instrumentation circuits with or without fire survival characteristics.

Standards	:	NES 526 - Dual layer Insulated, Electron Beam Cross linked irradiated Electric cables NES 527 - Fire Survival, High Temperature, Fire Retardant Halogen Free Sheathed Electron Beam Cross linked Irradiated Electric cables
Construction	:	Single Core, Multi Core, Multi Pair & Triad, Unscreened or Individually Screened or Collectively Screened
Voltage Grade	:	440 V AC
Conductor	:	Circular Electroplated, Annealed Tinned Copper
Temperature Range	:	-30^0 C to $+105^0$ C
Insulation	:	Dual Layer Electron Beam Cross linked irradiated materials / Silicon Rubber
Screening	:	Annealed Tinned Copper Braid
Outer Sheath	:	Electron Beam Cross linked irradiated LFH Compound
Protective Barrier	:	Glass Braid/Lacquer, Mica Glass Tape to meet the fire performance applicable for DEF STAN 02-527 (NES 527) cables

IEC 60092-350, 353, 360 & 376, BS-6883, BS-7917, NEK 606

For use in shipboard & offshore application at marine environment and use for Power, Control, Instrumentation and Communication with or without fire survival characteristics.

Standards	:	IEC 60092-350 - Construction & Test methods of Power, Control and Instrumentation Cables IEC 60092-353 - Power Cables for rated voltage of 0.6 / 1 KV, 1.8 / 3 KV. IEC 60092-376 - Control & Instrumentation Cables for rated voltage of 150 V / 250 V IEC 60092-360 - Insulating and sheathing properties materials for shipboard and offshore cables BS 6883 - Elastomeric insulated Cables for fixed wiring in ships & offshore nits BS 7917 - Elastomeric insulated fire resistant (Limited Circuit Integrity) Cables for fixed wiring in ships & offshore units
Construction	:	Single Core, Multi Core, Single Pair, Multi Pair, Multi Triad and Quad Screened & Unscreened, Armoured & Unarmoured
Voltage Grade	:	150 V / 250 V AC, 0.6 / 1.0 KV and 1.8 / 3.0 KV AC
Conductor	:	Electroplated Annealed Bare / Tinned Copper of various classes
Temperature Range	:	-15^0 C to 95^0 C
Insulation	:	XLPE / EPR / HEPR, HF 90 / S 95
Screening	:	Al-Mylar Tape along with Drain Wire / ABC or ATC Braiding
Inner Sheath	:	SHF1 / SHF2 / SH / SF / SW2 / SW4 / SHF2 / SHF2 (Mud Resistant)
Braid Armour	:	Copper (Bare or Tinned) / Copper Alloy (Bare or Tinned) / Aluminium Wire / Bronze Wire / GI Wire Braid with $>$90% coverage.
Outer Sheath	:	SHF1 / SHF2 / SH / SF / SW2 / SW4 / SHF2 / SHF2 (Mud Resistant)









Cable Assembly, Harnesses & Systems

We specialize in the design, development and manufacture of high quality customised cable assemblies and wiring harnesses. We serve critical industries such as Railway Transportation, Defence, Renewable Wind Energy, Oil and Gas etc. Our products are engineered to perform in the most demanding environments which undergo rigorous electrical testing and quality validation to meet international standards and ensure superior reliability.

Railway

- Cable harnesses for locomotives and passenger coaches
- Inter-vehicular (IV) coupler and jumper cable assemblies
- Reliable power, signal, and communication connectivity solutions

Defence

- Rugged cable assemblies for military communication systems
- Pressure tight cable assemblies for naval ships and submarines
- Shore charging and shore supply cable assemblies

Wind Energy

- High performance wind turbine harnesses
- Cable assemblies designed to withstand harsh environmental conditions
- Durable solutions for long term field reliability

Solutions:

IV Coupler & Jumper Cable Assemblies

- Advanced coach to coach and locomotive connectivity systems designed for dependable power, signal, and data transmission

Custom Cable Assemblies & Wiring Harnesses

- From standard wire assemblies to highly complex, customer specific harness solutions

Defence Cable Assemblies

- In house designed outfitted cable assemblies, shore charging connectors, shore supply assemblies, and pressure tight cable assemblies tested up to 100 Bar for demanding naval applications

Locomotive & Coach Harnesses

- Complete wiring harness solutions manufactured to customer specifications

Engineering Capabilities:

- Precision cutting, stripping and coiling
- Cable sizes ranging from 0.2 mm^2 to 400 mm^2
- Custom cable and harness design
- Die and tooling development
- Connector design and product development
- Semi automatic soldering
- Hydraulic and pneumatic crimping
- Potting and sealing
- Compression moulding

Quality & Compliance:

- Electrical Testing - 100% electrical testing for every assembly
- Simultaneous testing capability of up to 1,080 test points, with programmable & traceable
- IPC/WHMA-A-620 Class 3 compliance

Product Certifications


DNV

CERTIFICATE OF CONFORMITY

This is to certify that the product(s)

Power, Control, Instrumentation & Thermocouple Cables

with name and / or type designation(s)
as detailed in page 2

manufactured by,

THERMO CABLES LTD.


DNV

TYPE APPROVAL CERTIFICATE

This is to certify:

Thermo Cables Ltd
Jadcherla, Telangana, India

is found to comply with

Application:

Product description


ABS

CERTIFICATE OF

Product Design Assessment

THERMO CABLES LIMITED

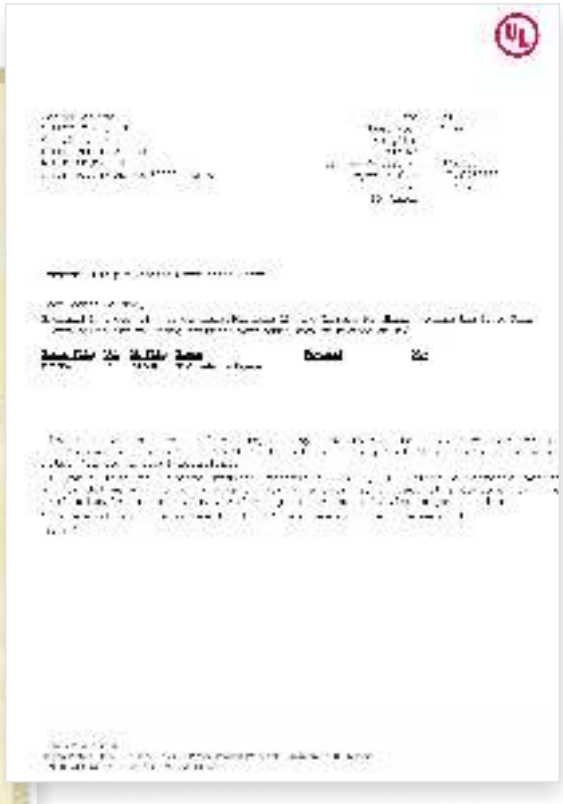
PLOT NO. G1,G2(A&B), G9A, G9B AND G10, GREEN INDUSTRIAL PARK, JADCHERLA, DIST. MAHABUBNAGAR , MAHABUBNAGAR, TELANGANA, India, 509301


Type Approval Certificate

Manufacturer: Thermo Cables Limited

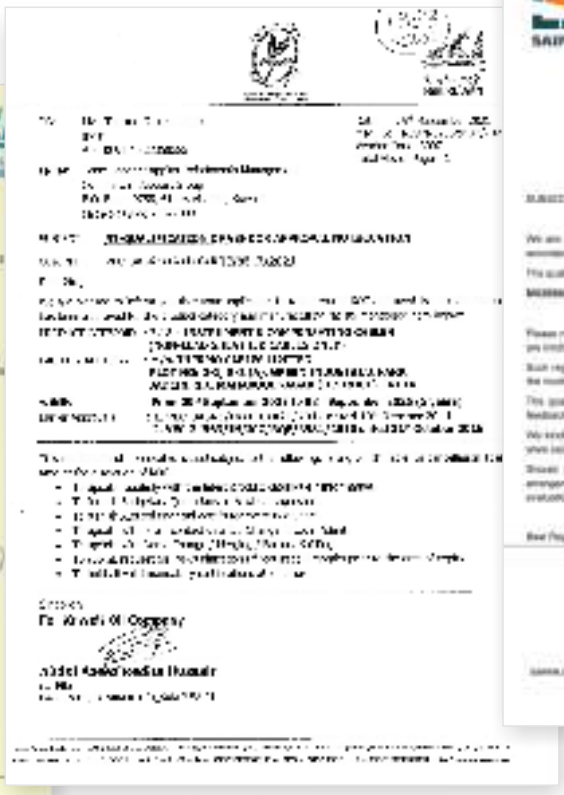

EAC

СЕРТИФИКАТ СООТВЕТСТВИЯ


UL

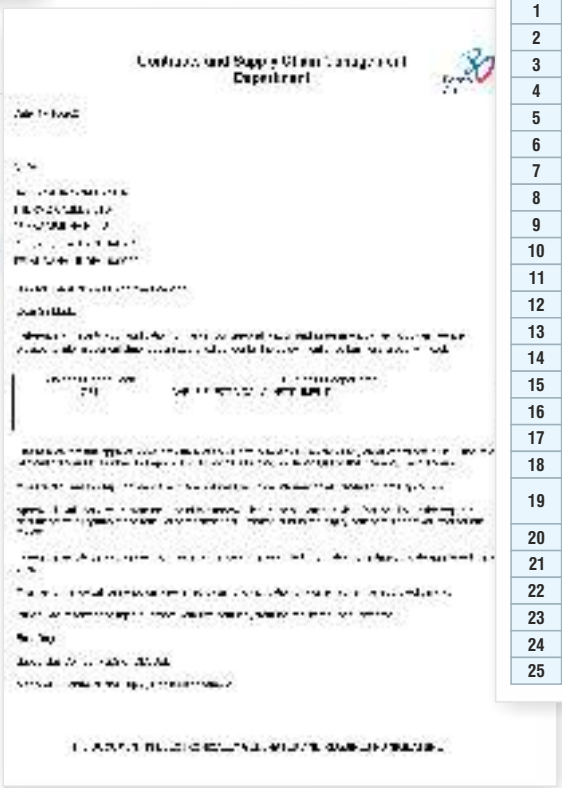
International Approvals





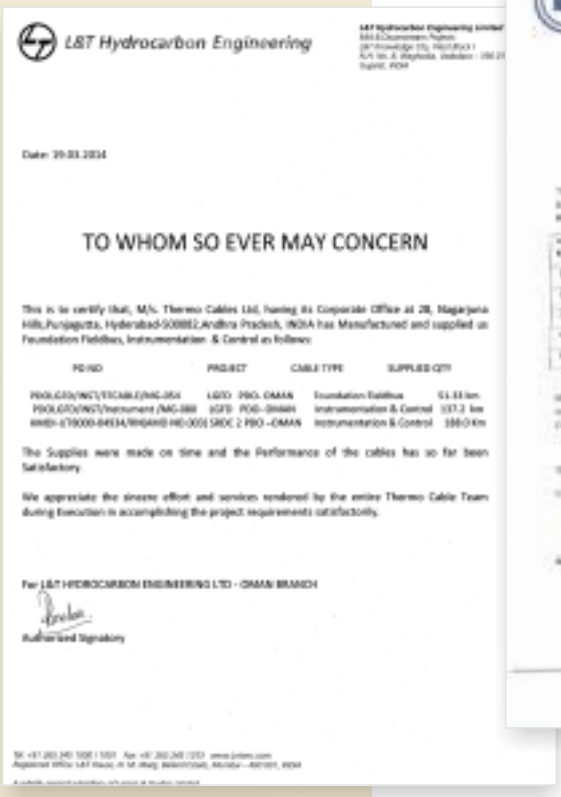






S.No	Customer	Vendor Code
1	ADNOC	20009092
2	Advance Petrochemical	201463
3	Aluminium Bahrain B.S.C. (ALBA)	7791
4	Borogue	000003394
5	Dolphin Energy Ltd	112792
6	Dry Docks	99393
7	Emirates National Oil Company (ENOC)	1001101538
8	ExxonMobil	PC-2024.091753
9	FARABI	9000403
10	GE	SQ-076734.2
11	KOCH Engineered Solutions	SPS000472
12	Kuwait National Petroleum Company (KNPC)	177128
13	Kuwait Oil Company (KOC)	30971
14	MAADEN	20230002
15	NEOM	S10764408
16	National Water Company (NWC)	40317
17	Petroleum Development Oman (PDO)	104158
18	Petronas	1125426A
19	PTT Exploration and Production Public Company Limited (PTTEP)	309104
20	Qatar Energy	309104
21	Qatar Fuel Additives Company Limited (QAFAC)	106712
22	Saudi Arabian Railway (SAR)	4895
23	Saudi Electricity Company	2012054
24	SIBUR	61293
25	TASNEE	S11312730

Accolades



L&T Hydrocarbon Engineering

Date: 29.03.2024

TO WHOM SO EVER MAY CONCERN

This is to certify that, M/s. Thermo Cables Ltd, having its Corporate Office at 28, Nagarjuna Hills,Punjagutta, Hyderabad-500082,Andhra Pradesh, INDIA has Manufactured and supplied as Foundation Fieldbus, Instrumentation & Control as follows:

PO NO	PROJECT	CABLE TYPE	SUPPLIED QTY
PSOL/LTO/WCT/TTCABLE/IMC-054	LOTO PDO, OMAN	Foundation Fieldbus	51.33 km
PSOL/LTO/WCT/Instrument /IMC-080	LOTO PDO -DHAHN	Instrumentation & Control	137.2 km
8MED-179000-84934/8MJ6MB HO-0001	SROC 2 PDO -OMAN	Instrumentation & Control	160.0 Km

The Supplies were made on time and the Performance of the cables has so far been Satisfactory.

We appreciate the sincere effort and services rendered by the entire Thermo Cable Team during Execution in accomplishing the project requirements satisfactorily.

For L&T HYDROCARBON ENGINEERING LTD - OMAN BRANCH

Authorised Signatory



Chennai Metro Rail Limited

(A Joint Venture of Govt. of India and Govt. of Tamil Nadu)

TO Whomsoever It May Concern



NATIONAL CEMENT COMPANY LTD

Building The Nation

SIMBA CEMENT

Dated : 29.03.2019

TO WHOM SO EVER IT MAY CONCERN

This is to certify that M/s.Thermo Cables Ltd., Hyderabad have supplied LT Power, Control, Signal, Thermocouple and Composite Cables to our 3000 TPD Clinkerisation Unit at Hiroshi, Tatil-Lokitkok Road, Kajiado County, KENYA vide our PO No.NCCL/PRIJ/YML-DAE004/2014-2015 dated 9th November, 2015.

This PO consists supply of 15000 Mtrs of 3.5 C X 300 Sq mm alongside other type of Cables.

We appreciate Thermo Cables effort in executing this Order with quick deliveries to meet our Project Schedules. The Cables are in operation for more than 1 Years and the performance is found to be satisfactory.

for NATIONAL CEMENT COMPANY LTD.,

Name: Lokesh Kumar

Designation: Commercial Director

Seal

MANUFACTURER OF ALL TYPES OF QUALITY PPC AND OPC CEMENT INCLUDING SULPHATE RESISTANT AND SUPER PORTLAND CEMENT



cpp

Date: 24 June 2015

To Whomsoever It May Concern

Subject: Performance Letter for Supply of Cables

This is to certify that Thermo Cables Limited, having its registered office at 28, Nagarjuna Hills Punjagutta, Hyderabad, Telangana, India – 500082 has successfully supplied cables for our various projects over the past years.

Details of the major supply orders executed are as follows:

Project Name	Purchase Order No.	Year of Supply	Quantity Supplied	Description of Material Supplied
RAS MARKAZ CRUDE OIL PARK PROJECT - OTTCO	CPP-RM-PO-0117	2015/2015	306.31 KM	Instrumentation and Control Cables

Thermo Cables Limited has met all the technical and delivery requirements of the above projects and has demonstrated good performance in terms of quality, timely delivery, and support for Smooth Execution of the project.

We acknowledge their contribution and purchase cables and wish them all the best in their future endeavors.

For and on behalf of

China Petroleum Pipeline Engineering Company Limited - Middle East

Head of Procurement, CPP MEE

Address: 40th Floor, Addax Tower, Al Reem Island, Abu Dhabi, UAE



Abhivarya Group

Date: 13.03.2014

TO WHOM SO EVER MAY CONCERN

This is to certify that, M/s. Thermo Cables Ltd, having its Corporate Office at 28, Nagarjuna Hills, Punjagutta, Hyderabad-500082,Andhra Pradesh, INDIA has Manufactured and supplied as Foundation Fieldbus, FF Instrumentation & Control of 40E line against our Purchase order PSOSC-LE/018 for Kuwait Company NEW GC 16 Project.

The Supplies were made on time and the Performance of the cables has so far been Satisfactory.

We appreciate the sincere effort and services rendered by the entire Thermo Cable Team during Execution in accomplishing the project requirements satisfactorily.

For Abhivaryaa Group Company

Authorised Signatory



HITACHI

Inspire the Next

Subject: Letter of Appreciation to Thermo Cables Limited

To, Thermo Cables Limited
Hyderabad.

Dear Thermo Cables Team,

We extend our sincere gratitude for the exceptional support provided during the period of 2022-2023. As it was previous, Thermo Cables Limited has played a pivotal role in the success of Hitachi Energy India Ltd, particularly in the manufacturing of different type of cables for GIS at our Vadodara facility.

Hitachi Energy India Limited is subject leader in power technologies, providing the most comprehensive gas insulated switchgear (GIS) with high end technology for which Thermo Cables is also an important stakeholder for the supplies of required instrumentation braided RFI cables.

Your unique blend of excellence, the consistent quality of your products and on time supply has significantly contributed to the smooth functioning of our manufacturing processes. Thermo Cables Limited's dedication in delivering top-notch solutions aligns seamlessly with our standards at Hitachi.

As we reflect on the successes of the past year, we eagerly anticipate continuing and strengthening this successful partnership in the years ahead.

In recognition of Thermo Cables Limited's substantial contributions, we present this letter of appreciation.

Best wishes to Thermo Cables Limited for continued success.

Regards

For Hitachi Energy India Limited, Vadodara
Formerly known as ABB Power Products and Systems India Ltd.

Procurement Manager

Hitachi Energy India Limited

Registered and Corporate Office:

Factory Address:

Hitachi Energy

System Certifications

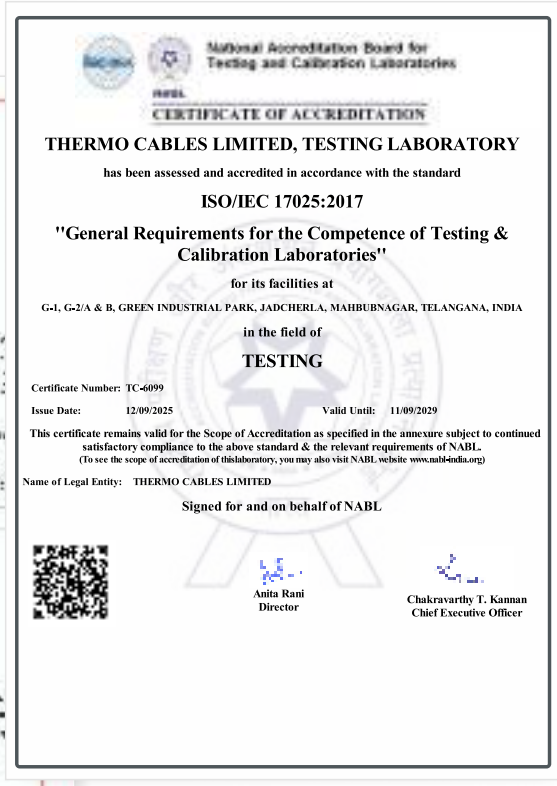












Infrastructure

Machinery

Name of the Machine	Name of the Machine
Rod Break Down Machine (9 Die)	HOIST 'H' - 48 Armouring - 2 Nos
Rod Break Down Machine (11 Die)	HOIST 'H' - 48 B Armouring - 2 Nos
Rod Break Down Machine (13 Die)	HOIST 'J' - 72 B Armouring
Skip Stranding Machine - 2 Nos	HOIST 'F' - 96 Armouring
Electroplating Tinning Machine - 2 Nos	HOIST 'K' - HV Area
Multi Wire Drawing Machine 30 mm	HOIST 'L' - Drum Twister Area
Multi Wire Drawing Machine 8 Wire - 2 Nos	HOIST 'O' - RBD Area
Fine Wire Drawing Machine - 4 Nos	HOIST 'I' - Despatch - 2 Nos
Mixing Machine 75 mm - 3 Nos	HOIST - MMH Area - 6 Nos
Kneader Line - 2 Nos	Chain Hoist 'A' - G I Rewinding - 2 Nos
75 L Kneader	Chain Hoist 'C' - Simon Taping - 4 Nos
Ring Marker	High Speed Bunching Machine - 10 Nos
High Speed Core Rewinding - 4 Nos	Chiller - 2 Nos
Taping Machine - 8 Nos	Chiller - 5 TR - 5 Nos
Vertical Taping Machine - 6 Nos	Chiller - 10 TR - 5 Nos
Horizontal Taping Machine - 12 Nos	Chiller - 20 TR
Single Twist Bunching Machine	PVC Mixer
400 Single Twist Bunching Machine	High Speed Mixer 60 kg
Tandem Extrusion Line (Ø50 + 65 / 35 mm)	High Speed Mixer 120 kg
Tandem Extruder Line (Ø80+ Ø100 / Ø35)	High Speed Mixer 200 kg
Tandem Extruder Line (Ø35+ Ø50 / Ø35)	16 A High Speed Braiding - 3 Nos
Extruder Machine 20 mm Bi Color	16 F High Speed Braiding - 2 Nos
Extruder Machine 45 mm	24 High Speed Braiding - 2 Nos
Extruder Machine 45 mm Bi Color	24 A High Speed Braiding - 5 Nos
Extruder Machine 65 mm - 9 Nos	24 E High Speed Braiding - 4 Nos
Extruder Machine 70 mm - 2 Nos	24 F High Speed Braiding
Extruder Machine 70 / 35 mm	48 High Speed Braiding
Extruder Machine 75 mm - 3 Nos	3 HP Air Compressor
Extruder Machine 80 mm - 4 Nos	10 HP Air Compressor - 3 Nos
Extruder Machine 100 mm	15 HP Air Compressor
Extruder Machine 120 mm - 2 Nos	20 HP Air Compressor - 2 Nos
Extruder Machine 150 mm	25 HP Air Compressor
Foam Extruder Machine	100 HP Air Compressor - 7 Nos
Core Rewinding Machine - 7 Nos	Brazing Machine - 4 Nos
Cooling Tower - 6 Nos	H V Testing - 3 Nos
High Speed GI Rewinding Machine - 27 Nos	Drum Twister Machine - 2 Nos
Ceramic Butt Welding Machine	630 Single Twister Machine 7 Bobbin
Butt Welding Machine - 15 Nos	800 Single Twister Machine 12 Bobbin
Electron Beam Accelerator - 2 Nos	1250 Single Twister Machine 19 Bobbin
Pairing Machine - 4 Nos	1050 Single Twister Machine
Pairing Back Twist Machine - 3 Nos	Pairing Back Twist Machine - 2 Nos
Laying Machine (7 Bobbins)	DT 500 & 800 Buncher Machine - 1 No & 5 Nos
Laying Machine (7 Bobbins) - Single Twist	Scissor Lift 2 ton
Laying Machine (13 Bobbins)	Steam Boiler
Laying Machine (19 Bobbins) - 4 Nos	PVC Grinder
Laying Machine (37 Bobbins) - 3 Nos	Hydraulic Press
Laying (42 Bobbin)	PT Stranding & Taping Machine
Armouring Machine (30 Bobbin) - 2 Nos	Vertical Taping Machine -18 Nos
Armouring Machine (40 Bobbin)	Silicon Rubber Mixing Machine
Armouring Machine (48 Bobbin) - 4 Nos	65/150 Two Stage Extruder (Compounding Line)
Armouring Machine (72 Bobbin) - 2 Nos	60 KVA UPS
Armouring Machine (96 Bobbin)	80 KVA UPS - 2 Nos
Extruder Sheathing Machine 80 mm - 2 Nos	100 KVA UPS
Extruder Sheathing Machine 100 mm	120 KVA UPS
Cable Rewinding Machine - 5 Nos	160 KVA UPS
GI Rewinding Strip Machine - 2 Nos	200 KVA UPS
Off Line Annealer	250 KVA UPS - 5 Nos
Nickel Plating - 2 Nos	320 KVA DG Set
Pointing Machine - 2 Nos	365 KVA DG Set
Fork Lift - 2 Nos	600 KVA DG Set
Auto Clave	1000 KVA DG Set
HOIST 'A' - Skip	Inkjet Printers - 36 Nos
HOIST 'B' - 54 Stranding	Laser Printers - 4 Nos
HOIST 'P' - Stores	EOT 15MT
HOIST 'C' - 7 B Laying	80 / 50 Insulation Line (High Speed)
HOIST 'E' - 13 Laying	Rubber Compound Line
HOIST 'E' - 19 Laying - 2 Nos	Electro Tin Plating
HOIST 'E' - 19 B Laying - 2 Nos	Multi Wire Drawing Machine (16 wire)
HOIST 'G' - 30 Armouring - 2 Nos	37 Bobbin Planetary Laying Machine
HOIST 'G' - 30 B Armouring	Interlock Armouring Machine
HOIST 'F' - 37 Laying	Induction Heating System
HOIST 'F' - 37 B Laying - 2 Nos	3150 Cable Rewinding Machine
HOIST 'K' - 40 Armouring	

Testing Equipment

Name of the Machine - Range/LC
Fourier Transmission infrared Spectrometer (FTIR)
Profile Projector
Digital Thermometer With Sensor - 2 Nos
Hot Air Ageing Oven
Hot Air Oven 6 Nos - Upto 250° C & 300° C
Hot Set Oven - 3 Nos
Ozone Resistance Test Equipment
Smoke Density Apparatus - 3 Nos
Oxygen & Temperature Index Apparatus - 2 Nos
Flammability Tester - 3 Nos
Cold Chamber Bend Cold Impact Test Set - 2 Nos 20° C to +25° C -30° C
Hot Set Test Apparatus - 3 Nos
Toxicity Index Test Equipment
Halogen Acid Gas Emission Test Apparatus
pH & Conductivity Test Equipment - 2 Nos - 0 to 14 pH
Abrasion Resistance Tester - 2 Nos
Electronic Tensile Tester - 3 Nos - 0 to 1000 N
Dielectric Breakdown Tester & Leakage Current Tester
High Frequency Spark Tester - 8 Nos - 0 to 15 KV AC
Main Frequency Spark Tester - 2 Nos - 0 to 15 KV AC
Digital Micro Ohm Meter 5 Nos - 1 mΩ to 19.999 kΩ (2 Nos.) & 1 mΩ to 1.9999 kΩ (1 No.)
H V Tester - 4 Nos - 0-5/10 KV
Million Mega Ohm Meter - 6 Nos - 1 MΩ to 100 GΩ, 1 MΩ to 50 TΩ & 2 MΩ to 20 GΩ
Digital L C R Q Meter
Thermal E M F Error Test Apparatus - 0 to 200 mV DC
Digital M V Source Cum Meter - 0 to 199.9° C
Digimatic Caliper - 0 to 300 mm
Acid Gas Generation Apparatus - 2 Nos
Swedish Chimney Test Equipment
Water Immersion Test Equipment - Upto 100° C
4 Cell Ageing Oven With Data Scanning Logger - 2 Nos - 16 Channels
Heating Oven - Upto 200° C
Thermal Stability Test Apparatus
Water Absorption Test Apparatus Gravimetric
Electronic Balance Weighing Machine 3 Nos - 0 to 180 gms 10 gms to 3 kgs
Kelvin Bridge - 0-11 Ω
Torsion Testing Machine (Digital Control Meter - Upto 99999 Count)
Fire Survival Test Equipment
Static Noise Rejection Ratio Meter - 60 to 100 dB
H V Break Down Tester - 0 to 2.5 KV DC
Transfer Impedance Tester
Steel Rule & Test Mandrel Set - 0 to 1 Metre
Condition Chamber - 2 Nos - 20° to 40° C (Temp.) & 40 to 80 RH
Insulation Resistance Tester - 0 to 1000 MΩ / 500 V
Hydro Meter - 4 Nos - 0.700 - 1.000 g/ml
Digital Stop Watch - 5 Nos - 0 - 24 hrs
Mutual Capacitance Meter - 1.999 nF - 1999.9 nF
Length Counter Meter - Upto 99999 mtr
Tear Resistance Die
Coating Thickness Measurement Meter
Digital Multimeter - 4 Nos - MΩ
Inductance Decade Box - 10 mH-10 H
Capacitance Decade Box - 10 pF-10 μF
Wet & Dry Thermometer - 2 Nos - -40° to + 50° C
Glass Thermometer - 5 Nos - -10° C to + 110° C & -10° to 250° C
Thermometer - 2 Nos - 195° C to 205° C
Digital Anemo Meter - 0 -45 m/s
Digital Thermo Hygrometer - 2 Nos - 0 to 95° C / 20 to 99% RH
Senior Double Kelvin Bridge
UV Radiation Test Apparatus
Notch Propagation Tester (Analog)
Water Bath (Size 120cm X 90cm X 60cm)
H V Probe Milimeter
Abrasion Resistance Tester
Dynamic Cut Through Tester
Cable Analyzer
Universal Testing Machine
PC Based Crosstalk Attentuation & Impedance Meter - Attenuation 0.1 to 20 dB, Cross talk (-40 to 100 dB), Impedance 199.9 Ω to 1.999 kΩ
Network Analyzer (AESA)
Fluke - DSX - 8000
Toxity Index Tester as per EN 45545-2
Step Load Tester
Bending Torsion Tester
Vibration Tester
Fluorine Content Test Equipment
Thermal Endurance Test Ovens - 12 Nos
Cable Harness Testers - 2 Nos
Melt Flow Index Testers - 2 Nos
A.C High Voltage Tester 0-8KV - 3 Nos
High Temperature Oven upto 400° C - 2 Nos
Pull Force Tester
Micro Scope (Terminal Analyzer with Software)
DC milli Volt Drop Test Equipment
Variable mA Current Source Tester
DC-20MHz Dual Trace Oscilloscope
Conduit Flexing Tester
Digital Compression Tester - 2 Nos
Mooney Viscometer
Dust Particle Counter (Light House)
Bulk Density Test Apparatus
Digital Million Megohm Meter with Volume Resistivity



OUR CUSTOMERS

Thermo Cables Ltd

An ISO 9001, 14001 & 45001 Certified Company

28, Nagarjuna Hills, Punjagutta, Hyderabad - 500 082
Telangana, India +91 40 44429292 +91 40 23350583

info@thermocables.com; exports@thermocables.com

Overseas Offices:

Exports	+91 9392860962	ramdas@thermocables.com
London	+44 7798771519	exports@thermocables.com
Germany	+49 (0) 15124124557	exports@thermocables.com

Plant - I
D - 44, 45, 48, 49 & 50
Phase V, IDA, Jeedimetla
Hyderabad - 500 055 Telangana, India
+91 40 23095058 / 7745 +91 40 23090661

Plant - II
G 1, G 2 (A, B & C), G 9 (A & B) & G 10
Green Industrial Park
Jadcherla, Mahabubnagar - 509 301
Telangana, India

Baroda	9676375143	baroda@thermocables.com
Bengaluru	9341002070	bangalore@thermocables.com
Chennai	6309955521	chennai@thermocables.com
Delhi	9313438322	salesnorth@thermocables.com
Hyderabad	9394345566	hydsales@thermocables.com
Kolkata	9339336204	kolkata@thermocables.com
Mumbai	9320643117	mumbai@thermocables.com
Pune	7709011059	pune@thermocables.com

www.thermocables.com

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