Thermo Cables

Thermo Cables is a recognized and preferred brand across various industries including Oil & Gas, Railways, Navy, Defence, Renewable Energy, Nuclear Power, Process Industries, Power etc, exporting 50% of products. Established in 1990, it is a leading manufacturer of various types of speciality cables. Thermo Cables is a part of Thermo Group - a multi-product & multi-service organization with other group companies: Thermopads: A specialist in Commercial, Domestic and Industrial Heating Thermosystems: An EPC company in the field of Fuel Oil Handling Systems, Fire Detection Protection Systems etc.

Major Approvals

ADNOC - OFFSHORE
ADNOC - ONSHORE
ALBA
AP GENCO
AP TRANSCO
AVANT GARDE
BDL, BEL
BHEL, BLW
BOROUGE
BPCL
CLW, CMRL, CSL
DLW, DMW
DLRL, DMRL
DMRC
DESEIN LTD
DGMS, DVC
DRDO, DRDL
EGA
ENGINEERS INDIA LTD
FICHTNER CONSULTING
GRSE, GSPC
GOA SHIPYARD
HINDUSTAN SHIPYARD
HPCL, HAL, HMRL
IOCL, ICF, ISRO
JACOB'S H & G
KNPC, KUWAIT
KOC, KUWAIT
L & T
MATERIAL ORGANISATION - KARWAR
MATERIAL ORGANISATION - MUMBAI
MATERIAL ORGANISATION - VIZAG
MECON, MCF
MN DASTUR & CO.
MAZGOAN DOCK LIMITED
MUMBAI PORT TRUST
NPCIL, NSTL, NTPC
ONGC
PDIL, PGCIL
PDO OMAN, PETRONAS
QATAR PETROLEUM
RCF
SAIL
TATA CONSULTING ENGINEERS
TECNIMONT ICB LTD
TOYO ENGINEERING INDIA LTD
THYSSENKRUPP

Stringent quality requirements, global standards of precision and increasingly demanding customers are the order of the day. Thermo Cables, sensitive to this reality, designs, manufactures and supplies a wide range of cables to satisfy customers' specifications and requirements.

Product Range

- Instrumentation Cables
- LV Power & Control Cables
- Thermocouple Cables
- Fire Resistant Cables
- Railway Cables
- Naval Application Cables
- Marine / Shipboard Cables
- Pressure Tight (PT) Cables
- Renewable Energy Cables
- High Temperature Cables
- Material Handling Cables
- Foundation Fieldbus Cables
- Special Application (LFH) Cables
- Co-Axial Cables (RG Series)
- VFD Cables
- Cathodic Protection Cables

Why Us

- Leading & reputed manufacturer of Specialty 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

Standards

- Cables designed and manufactured conforming to various National and International Standards:
  ANSI MC 96.1, BS-6346, BS-5467, BS-7919, BS-7629, BS-6387, BS-7846, BS-5308-I & II, BSEN 50288-7, DEF-02 526, DEF-02 527, EED 50-12, 50-13, IEC-60502-I, IEC-60189-I & II, IEC-60228, IEC-60092 350 353 376, IEC-60584-I & III , IEC-60331, IS-8784, IS-613, IS-694, IS-1554-I, IS-7098-I, IS-9968-I, JSS-51034, JSS-51038, MIL-C-17, MIL-DTL-22759/86A, MIL-DTL-22759/87A, MIL-DTL-27500H, MIL-DTL-24640C, MIL-DTL-24643C, UL-1581, UL-758, VDE-0815, VDE-0816, VG-95218 60-66 etc.

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

Valuable Assets

- Over 3,00,000 sq ft of infrastructure facilities with latest technology
- 1000+ 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 onboard 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 to IEC-60228
Temperature Range	:	- 65° C to 120° C (EED-50-12 Cables) - 30° C to 120° C (EED-50-13 Cables)
Insulation	:	Electron Beam Cross Linked Polyolefin compound (EPR / EPDM LFH) / Silicone 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

VG 95218 Part 61- 66 - 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

Marine / Shipboard Cables

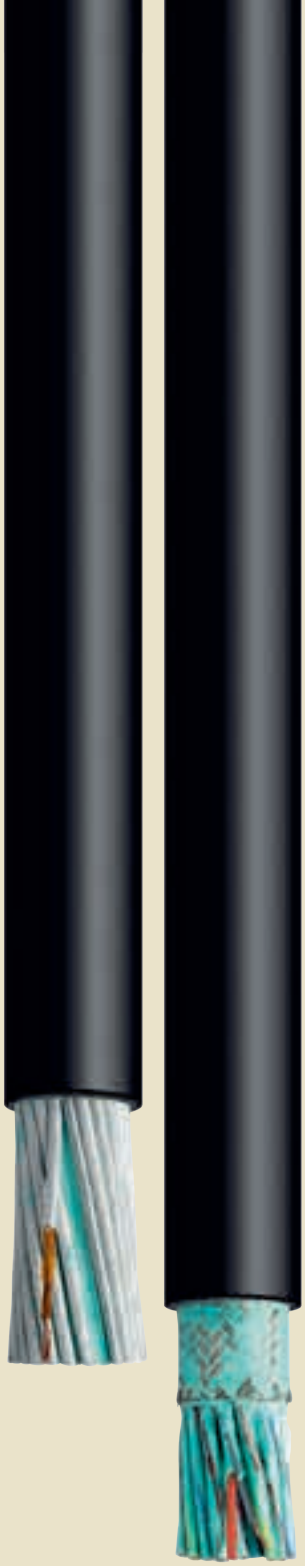
DEF STAN 02-526 (NES 526) and DEF STAN 02-527 (NES 527)

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

Construction	:	Single Core, Multi Core, Multi Pair & Triad, Unscreened or Individually Screened or Collectively Screened, Limited Fire Hazardous Sheathed Cables
Voltage Grade	:	440 V AC
Conductor	:	Circular Electroplated, Annealed Tinned Copper
Temperature Range	:	- 30^0 C to + 105^0 C
Insulation	:	Dual layer of Gp5 and LFH Material / Silicone Rubber
Screening	:	Annealed Tinned Copper Braid
Outer Sheath	:	LFH Elastomeric Compound
Protective Barrier	:	Glass Braid/Lacquer, Mica Glass Tape to meet the fire performance applicable for DEF STAN 02-527 (NES 527)

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

Construction	:	Single Core, Multi Core, Single, Multi Pair, Multi Triad and Quad Screened & Unscreened, Armoured & Unarmoured
Voltage Grade	:	150 V / 250 V and 600 V / 1000 V 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
Outer Sheath	:	SHF1 / SHF2 / SH / SF
Braid Armouring	:	Bare Copper / Tinned Copper / GI Wire Braid with >90% coverage MIL W-22759 / 32-35 & 41-46 and MIL STD-2223



Pressure Tight (PT) Cables

Power, Control & Signal 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 pressure.

Specification	:	EED 57-03 & EED 57-04
Construction	:	Single Core, Multi Core, Multi Pair, Unscreened, Individually Screened & Collectively Screened
Voltage Grade	:	600 V AC to 1000 V AC
Conductor	:	Circular electrolytic bare copper (Class 2)
Temperature Range	:	- 30° C to +120° C
Insulation	:	Special halogen free and fire retardant with low smoke generation and low toxic properties with E-beam curing process
Screening	:	Annealed tinned copper braid
Outer Sheath	:	Special halogen free and fire retardant with low smoke generation and low toxic properties 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 / Silicone 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.

Foundation Fieldbus Cables

These Cables are meant for bi-directional communications protocol used for communications among field devices and to the control system. Installed in many process applications such as refining, petrochemicals, power generation, even in food & beverage, pharmaceuticals and nuclear applications.

Voltage Grade	:	300 V / 600 V
Conductor	:	Plain/Tinned Annealed Copper (up to 120° C) Silver Plated Annealed Copper (up to 200° C) Nickel Plated Annealed Copper (up to 260° C)
Range	:	22 AWG / 18 AWG / 16 AWG / 14 AWG
Insulation	:	Solid Polyethylene / XLPE / PFA for temp. >150° C
Screening	:	Individual and / or overall with following options - Aluminum Mylar / Copper Tape with Tinned Copper Drain Wire - Braided with Bare or Tinned or Nickel Plated or Silver Plated Copper
Inner Sheath	:	PVC / HR PVC / FR PVC / FRLS PVC / ZHFR / LSF / FEP / PFA
Armouring	:	Round Galvanized Steel Wire / Flat Strip / Steel Wire Braid
Outer Sheath	:	PVC / HR PVC / FR PVC / FRLS PVC / ZHFR / LSF / FEP / PFA with Plain Orange Jacket or with strip for easy identification and Blue jacket available for Intrinsically Safe applications
Standards	:	Cable specification Foundation Fieldbus FF-844 H1, Cable design based on EN 50288-7 / BS-5308 Part 1, IEC-60332 Electrical properties: FF-844 H1 and IEC-61158-2, Type A
Our FF Cable Features	:	Excellent Electrical Characteristics Low Capacitance (for long runs) RoHs compliant and CE marked

Special Application (LFH) Cables

Power, Control & Signal Cables, Limited Fire Hazard Insulation & Sheath materials with halogen free, fire retardant with low smoke generation and low toxic properties.

Specification	:	Def Stan 61-12 (PT-18 & PT-31)
Construction	:	Multi Core, Multi Pair, Composite Cables, Unscreened, Individually Screened & Collectively Screened
Voltage Grade	:	600 V
Conductor	:	Circular electroplated & annealed tinned copper
Temperature Range	:	-50^0 C to $+120^0$ C
Insulation	:	Special Halogen free and fire retardant with low smoke generation and low toxic properties with E-beam curing process
Screening	:	Annealed tinned copper braid
Outer Sheath	:	Special halogen free and fire retardant with low smoke generation and low toxic properties with E-beam curing process
Application	:	Used in defence especially in Radar & Missile launching system for Power, Control, Lighting and Communication and Instrumentation circuits

Co-Axial Cables (RG Series)

Radio Frequency or Signal Transmission Cables, Polyethylene Dielectric Insulation & Sheath material with Halogen Free, Fire Retardant with low smoke generation and low toxic properties.

Specification	:	Def Stan 02-512 (PT-5) & customer specification
Construction	:	Single Core, Multi Core Cables, Unscreened Collectively Screened
Primary Conductor	:	ABC / ATC / SPC & special conductors like CCS (Copper Clad Steel) etc
Temperature Range	:	-30^0 C to $+120^0$ C
Insulation	:	Polyethylene / FEP Dielectric Compound
Outer Conductor	:	Aluminium Mylar Tape / Annealed Tinned / Bare Copper Braid if applicable
Outer Sheath	:	Special halogen free and fire retardant with low smoke generation and low toxic properties with E-beam curing process
Type of Cables	:	RG 11, RG 213, RG 188 etc.
Application	:	For use of VHF (Very High Frequency) signal transmission

VFD Cables

VFD cables are used to connect the VFD drive to the variable frequency motors, drives precisely controls the speed and torque of the motors. During this operation of controlling the motor by changing the frequency there is every chance of lot of noise getting generated, induced voltage and sudden spikes generation and intense electric field around the conductor which can be suppressed with special design.

Construction	:	Metallic layer over the core/cable will reduce the noise/strong electric field around the core / earthing of all spikes generated during the operation.
Voltage Grade	:	Up to 1800 / 3300 V AC
Conductor	:	Circular electrolytic bare copper / tinned copper (stranded / flexible)
Insulation	:	XLPE or EPR or HEPR
Screening	:	Combination of copper tape and copper wire braid or double layer of copper tape and concentric braiding
Outer Sheath	:	PVC / ZHFR / SHF1 / SHF2
Application	:	This construction of metallic layer over the core/cable will reduce the noise / strong electric field around the core / earthing of all spikes generated during the operation.

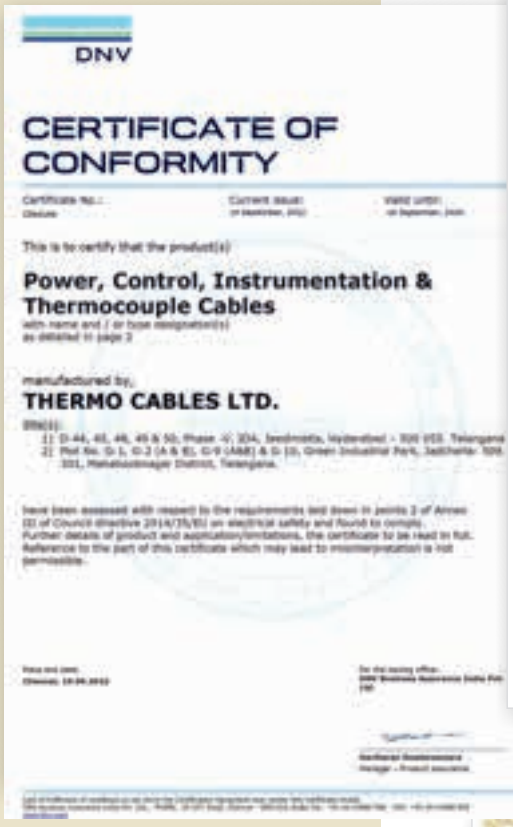
Cathodic Protection Cables

For added protection against corrosive gases and brackish water, a PVDF fluoropolymer insulation covered by an HMWPE jacket can be used. Polyvinylidene difluoride (PVDF) inner layer has exceptional chemical resistance when present in chlorine, sulfuric acid and hydrochloric acid. High molecular weight polyethylene (HMWPE) exhibits superior dielectric and tensile strength and protection and can withstand considerable abuse during installation.

Used for underground DC power supply feeder to cathodic protection systems for pipelines, storage tanks, and other buried or submerged structures

Construction/Range	:	Single Core up to 95 Sq mm
Voltage Grade	:	Up to 1000 V
Conductor	:	Bare Copper / Tinned Copper Standard / Flexible Conductor
Primary Insulation	:	PVDF Fluoropolymer / ECTFE (Halar)
Outer Sheath	:	High molecular weight polyethylene (HMWPE)

Certificates



DNV

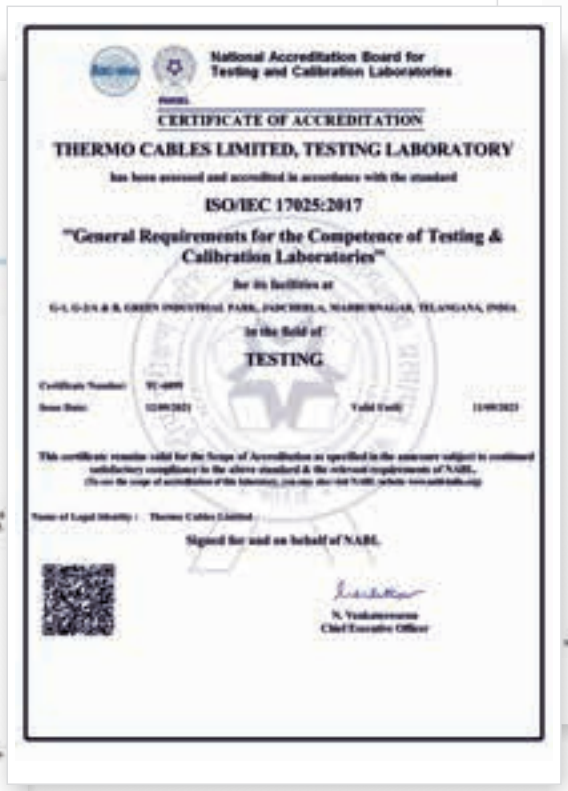
CERTIFICATE OF CONFORMITY

This is to certify that the product(s)

Power, Control, Instrumentation & Thermocouple Cables

manufactured by,

THERMO CABLES LTD.



National Accreditation Board for Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

THERMO CABLES LIMITED, TESTING LABORATORY

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2017

"General Requirements for the Competence of Testing & Calibration Laboratories"

for its facilities at

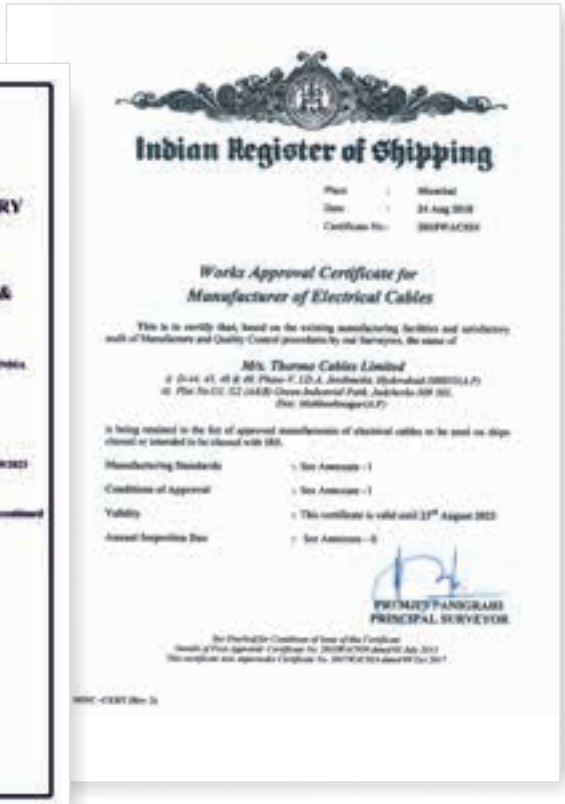
G-1, G-2A & B, GREEN INDUSTRIAL PARK, JADCHERLA, MAHBUBNAGAR, TELANGANA, INDIA

in the field of

TESTING

Signed for and on behalf of NABL

N. Venkateswarlu
Chief Executive Officer



Indian Register of Shipping

Works Approval Certificate for Manufacturer of Electrical Cables

M/s. Thermo Cables Limited

PRITAM P. PANIGRAHI
PRINCIPAL SURVEYOR

Lloyd's Register

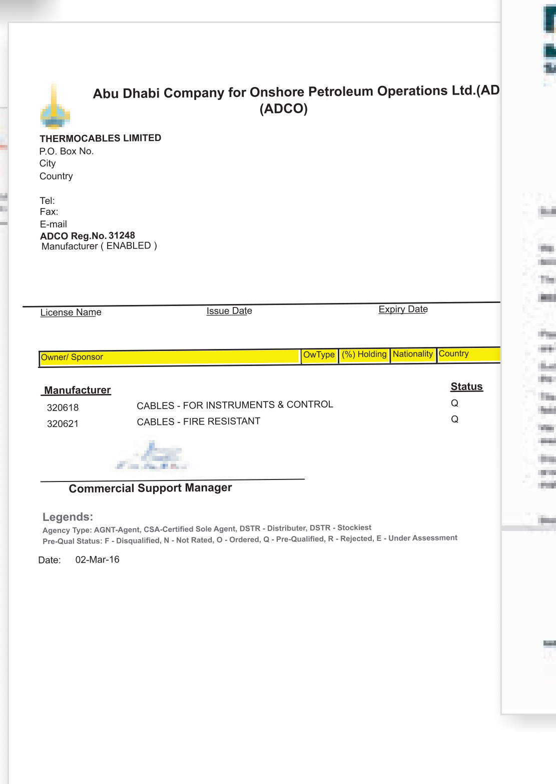
Type Approval Certificate

Manufacturer	Thermo Cables Limited
Address	
Place of Production	
Place of Production	
Type	
Description	
Trade Name	
Application	
Specified Standard	

EAC

UL

International Approvals



Major Approvals

Accolades


Chennai Metro Rail Limited

To Whomsoever It May Concern

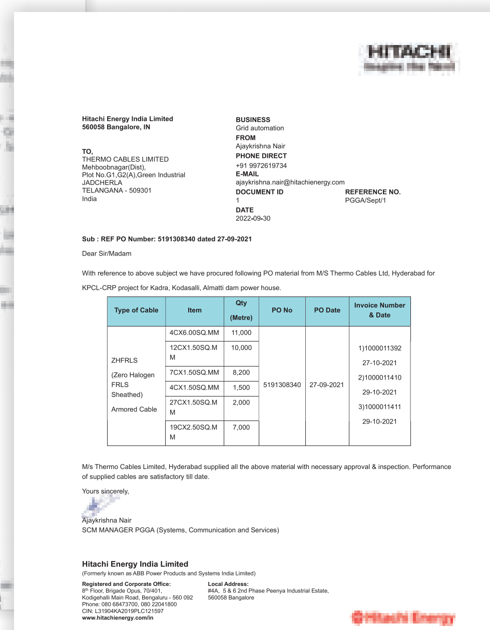

Mazagon Dock Shipbuilders Limited

Appreciation Letter to M/s. Thermo Cables Ltd. Hyderabad


COCHIN SHIPYARD LIMITED

To Whomsoever It May Concern


JSW Steel Limited


HITACHI

Hitachi Energy India Limited
560058 Bangalore, IN

BUSINESS
Grid automation
FROM
Ajaykrishna Nair
PHONE DIRECT
+91 9972619734
E-MAIL
ajaykrishna.nair@hitachienergy.com
DOCUMENT ID
1
REFERENCE NO.
PGGA/Sept/1
DATE
2022-09-30

TO,
THERMO CABLES LIMITED
Mehboobnagar(Dist),
Plot No.G1,G2(A),Green Industrial
JADCHERLA
TELANGANA - 509301
India

Sub : REF PO Number: 5191308340 dated 27-09-2021

Dear Sir/Madam

With reference to above subject we have procured following PO material from M/S Thermo Cables Ltd, Hyderabad for KPCL-CRP project for Kadra, Kodasalli, Almatti dam power house.

Type of Cable	Item	Qty (Metre)	PO No	PO Date	Invoice Number & Date
ZHFRLS (Zero Halogen FRLS Sheathed) Armored Cable	4CX6.00SQ.MM	11,000	5191308340	27-09-2021	1)1000011392 27-10-2021 2)1000011410 29-10-2021 3)1000011411 29-10-2021
	12CX1.50SQ.MM	10,000			
	7CX1.50SQ.MM	8,200			
	4CX1.50SQ.MM	1,500			
	27CX1.50SQ.MM	2,000			
	19CX2.50SQ.MM	7,000			

M/s Thermo Cables Limited, Hyderabad supplied all the above material with necessary approval & inspection. Performance of supplied cables are satisfactory till date.

Yours sincerely,

Ajaykrishna Nair
SCM MANAGER PGGA (Systems, Communication and Services)

Hitachi Energy India Limited
(Formerly known as ABB Power Products and Systems India Limited)

Registered and Corporate Office:
8th Floor, Brigade Opus, 70/401,
Kodigehalli Main Road, Bengaluru - 560 092
Phone: 080 68473700, 080 22041800
CIN: L31904KA2019PLC121597
www.hitachienergy.com/in

Local Address:
#4A, 5 & 6 2nd Phase Peenya Industrial Estate,
560058 Bangalore

Infrastructure

Machinery

Name of the Machine	Name of the Machine
Rod Break Down Machine (9 Die)	HOIST 'E' - 19 B Laying - 2 Nos
Rod Break Down Machine (11 Die)	HOIST 'G' - 30 Armouring - 2 Nos
Rod Break Down Machine (13 Die)	HOIST 'G' - 30 B Armouring
Skip Stranding Machine - 2 Nos	HOIST 'F' - 37 Laying
Electroplating Tinning Machine - 2 Nos	HOIST 'F' - 37 B Laying - 2 Nos
Multi Wire Drawing Machine 30 mm	HOIST 'K' - 40 Armouring
Multi Wire Drawing Machine 8 Wire - 2 Nos	HOIST 'H' - 48 Armouring - 2 Nos
Fine Wire Drawing Machine - 4 Nos	HOIST 'H' - 48 B Armouring - 2 Nos
Mixing Machine 75 mm - 3 Nos	HOIST 'J' - 72 B Armouring
Kneader Line - 2 Nos	HOIST 'F' - 96 Armouring
75 L Kneader	HOIST 'K' - HV Area
Ring Marker	HOIST 'L' - Drum Twister Area
High Speed Core Rewinding - 4 Nos	HOIST 'O' - RBD Area
Taping Machine - 7 Nos	HOIST 'I' - Despatch - 2 Nos
Vertical Taping Machine - 6 Nos	Chain Hoist 'A' - G I Rewinding - 2 Nos
Horizontal Taping Machine - 12 Nos	Chain Hoist 'C' - Simon Taping - 4 Nos
Single Twist Bunching Machine	High Speed Bunching Machine - 10 Nos
400 Single Twist Bunching Machine	Chiller - 2 Nos
Tandem Extrusion Line (Ø50 + 65/35 mm	Chiller 5 TR
Tandem Extruder Line (Ø80+ Ø100/Ø35)	Chiller 10 TR - 2 Nos
Tandem Extruder Line (Ø35+ Ø50/Ø35)	Chiller 20 TR
Extruder Machine 20 mm Bi Color	PVC Mixer
Extruder Machine 45 mm	High Speed Mixer 60 kg
Extruder Machine 45 mm Bi Color	High Speed Mixer 120 kg
Extruder Machine 65 mm - 9 Nos	High Speed Mixer 200 kg
Extruder Machine 70 mm	16 A High Speed Braiding - 3 Nos
Extruder Machine 70/35 mm	16 F High Speed Braiding - 2 Nos
Extruder Machine 75 mm - 3 Nos	24 High Speed Braiding - 2 Nos
Extruder Machine 80 mm - 4 Nos	24 A High Speed Braiding - 5 Nos
Extruder Machine 100 mm	24 E High Speed Braiding - 4 Nos
Core Rewinding Machine - 7 Nos	24 F High Speed Braiding
Cooling Tower - 6 Nos	48 High Speed Braiding
GI Rewinding Machine - 20 Nos	3 HP Air Compressor
Ceramic Butt Welding Machine	10 HP Air Compressor - 3 Nos
Butt Welding Machine - 15 Nos	15 HP Air Compressor
Electron Beam Accelerator	20 HP Air Compressor - 2 Nos
Pairing Machine - 4 Nos	25 HP Air Compressor
Pairing Back Twist Machine	100 HP Air Compressor - 3 Nos
Laying Machine (7 Bobbins)	Brazing Machine - 4 Nos
Laying Machine (7 Bobbins) - Single Twist	H V Testing - 3 Nos
Laying Machine (13 Bobbins)	Drum Twister Machine
Laying Machine (19 Bobbins) - 4 Nos	630 Single Twister Machine 7 Bobbin
Laying Machine (37 Bobbins) - 3 Nos	800 Single Twister Machine 12 Bobbin
Laying (42 Bobbin)	1250 Single Twister Machine 19 Bobbin
Armouring Machine (30 Bobbin) - 2 Nos	DT 500 Buncher Machine
Armouring Machine (40 Bobbin)	Scissor Lift 2 ton
Armouring Machine (48 Bobbin) - 4 Nos	Steam Boiler
Armouring Machine (72 Bobbin)	PVC Grinder
Armouring Machine (96 Bobbin)	Hydraulic Press
Extruder Sheathing Machine 80 mm - 2 Nos	PT Stranding & Taping Machine
Extruder Sheathing Machine 100 mm	Silicone Rubber Mixing Machine
Cable Rewinding Machine - 5 Nos	65/150 Two Stage Extruder (Compounding Line)
GI Rewinding Strip Machine - 2 Nos	60 KVA UPS
Off Line Annealer	80 KVA UPS - 2 Nos
Nickel Plating - 2 Nos	100 KVA UPS
Pointing Machine - 2 Nos	120 KVA UPS
Fork Lift - 2 Nos	160 KVA UPS
Auto Clave	200 KVA UPS
HOIST 'A' - Skip	250 KVA UPS - 2 Nos
HOIST 'B' - 54 Stranding	320 KVA DG Set
HOIST 'P' - Stores	365 KVA DG Set
HOIST 'C' - 7 B Laying	600 KVA DG Set
HOIST 'E' - 13 Laying	Inkjet Printers - 36 Nos
HOIST 'E' - 19 Laying - 2 Nos	Laser Printers - 4 Nos

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 - Up to 250° C & 300° C
Hot Set Oven
Ozone Resistance Test Equipment
Smoke Density Apparatus - 3 Nos
Oxygen & Temperature index Apparatus - 2 Nos
Flammability Tester - 3 Nos
Cold Chamber - 2 Nos
Cold Bend Cold Impact Test Set - 20° C to +25° 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 Resistatnce 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 4 Nos - 1 MΩ to 100 GΩ
Million Mega Ohm Meter 2 Nos - 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 - Up to 100° C
4 Cell Ageing Oven with Data Scanning Logger 2 Nos - 16 Channels
Heating Oven - Up to 200° C
Thermal Stability Test Apparatus
Water Absorption Test Apparatus Gravimetric
Electronic Balance 2 Nos - 0 to 180 gms
Electronic Weighing Machine - 10 gms to 3 kgs
Kelvin Bridge - 0-11 Ω
Torsion Testing Machine (Digital Control Meter - Up to 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 - 0 to 1 Metre
Steel Test Mandrel Set
Condition Chamber 2 Nos - 20° C 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 - Up to 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° C to +50° C
Glass Thermometer 05 Nos - 10° C to + 110° C & - 10° C to 250° C
Thermometer 02 Nos - 195° C to 205° C
Digital Anemo Meter - 0 - 45 m/s
Digital Thermo Hygrometer 02 Nos - 0 to 95° C / 20 to 99% RH
Senior Double Kelvin Bridge
UV Radiation Test Apparatus
Notch Propagation Tester (Analog)
Water Bath (Size 120 cm X 90 cm X 60 cm)
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 199.9Ω to 1.999kΩ

OUR CUSTOMERS

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An ISO 9001, 14001 & 45001 Certified Company

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