



Thermo Cables



Defence Cable Solutions



Global Expert In Speciality Cables Manufacturing

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 60% 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
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
MATERIAL ORGANISATION - KARWAR
MATERIAL ORGANISATION - MUMBAI
MATERIAL ORGANISATION - VIZAG
MECON, 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
QATAR ENERGY, QATAR PETROLEUM
RCF
SABIC
SAIL
SAIPEM
SAPURA ENERGY
SHELL, SONATRACH
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
- Power, Control & Earthing Cables
- Thermocouple Cables
- Fire Resistant Cables
- High Temperature Cables
- Foundation Fieldbus Cables
- Special Application (LFH) Cables
- Renewable Energy Cables
- Naval Application Cables
- Marine/Shipboard Cables
- Pressure Tight (PT) Cables
- Railway Cables
- Material Handling Cables
- Type-P Cables
- VFD Cables
- Co-Axial Cables (RG Series)
- ESP Cables
- Downhole (TEC) Cables
- Custom Wiring & Cable Harnesses
 - Railway
 - Defence
 - Wind
- IV Coupler & Jumper Cable Assembly
- Cable Systems

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

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, BS- 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.

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.

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

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

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 pressure.

Specification	: EED 57-03 & EED 57-04, DMDE SOTR
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 / 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.



Marine / Shipboard Cables

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

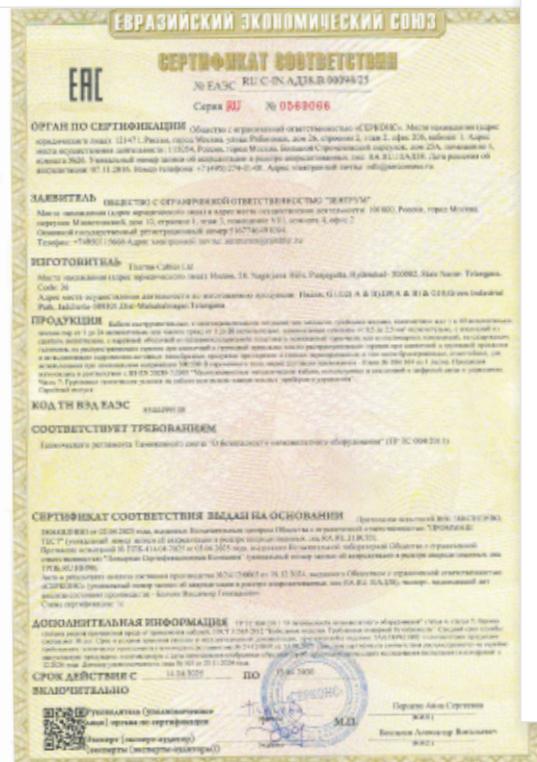
For use on onboard surface ships and crafts for power, control, lighting and communication and instrumentation circuits with or without fire survival characteristics.

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° C to + 105° C
Insulation	: Dual Layer Electron Beam Cross linked irradiated materials / Silicone 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

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 units. 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° C to 95° 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 / SE
Braid Armour	: Copper (Bare or Tinned) / Copper alloy / GI Wire Braid with >90% coverage.
Outer Sheath	: SHF1 / SHF2 / SH / SF / SE



International Approvals

شركة البترول الوطنية الكويتية
KNPC
A Subsidiary of Kuwait Petroleum Corporation

VENDORS & CONTRACTORS EVALUATION COMMITTEE

M/S. THERMO CABLES LTD.
PLOT NO. 01, 02 IN ORIGIN INDUSTRIAL PARK
JABERHILA, DIST. AL-HADITHA - 509001
INDIA

DATE: 10th May 2021
REF: COM-2020-21-082
FILE NO: Y-4790

SUBJECT: VENDOR APPROVAL - RE-QUALIFICATION

GENTLEMEN,

REFERENCE TO YOUR PREVIOUS APPROVAL LETTER DATED 29/05/2020, YOUR COMPANY RE-QUALIFIED AS A VENDOR EFFECTIVE 29/05/2021 FOR THE SUPPLY OF THE FOLLOWING PRODUCT(S) FOR KNPC'S REQUIRE:

PRODUCT DESCRIPTION

TS 40 CABLE, INSTRUMENTS (INCLUDING THERMOCOUPLE WIRE & CABLE)

THE COMPANY (VENDOR) CODE ALLOCATED TO YOUR COMPANY IS 177128.

PLEASE ENSURE TO QUOTE THIS CODE AND ABOVE FILE NO. ON ALL YOUR FUTURE CORRESPONDENCE.

VERY TRULY YOURS,

BARBAR H. AL-QAHTANI
CHAIRMAN V & CEO

THIS LETTER SUPERSEDES OUR LETTER DATED 28th MAY 2018

NOTE: APPROVAL VALIDITY IS UP TO 28th MAY 2026 (APPROVED SINCE 28th MAY 2011)

REF #12376

PLEASE REFER OVERLEAF FOR INSTRUCTIONS

SAIPEM S.p.A.
Via Martiri di Carpi 10, 57
20087 San Donato Milanese
Milano - Italia

San Donato Milanese, 04012017

THERMO CABLES LTD.
NAGANJUNA HILLS # 18
80000 WINDHAM
INDIA

PROT VM-205-17494-FP

Kind attn: of the Legal Representative

SUBJECT: Qualification process for inclusion in Saipem Vendor List

We are pleased to inform you that your Company has successfully completed the qualification process in accordance with Saipem procedures.

The qualification stands for the supply of goods and/or services for the following commodity:

MO285930 - INSTRUMENT CABLES (ARMoured AND UNARMoured)

Please note that you have been registered in our Vendor Management Data Base with code 106023 that you are kindly requested to mention in all communication with Saipem.

Such registration shall not create or impose any obligation or liability on Saipem as well as it shall not ensure the involvement of your Company in future bids launched by Saipem.

The qualification has a 36 (thirty-six) month validity, and this qualification status will be monitored through feedback analysis and, if required, audit visits at your office and/or premises.

We kindly ask you to promptly inform us of any change of your Company organization by joining our website www.saipem.com and selecting "Qualification Management" area.

Should any serious facts concerning management, organization and assets occur (i.e. composition or arrangement of creditors, winding up orders, bankruptcy, etc.), the given qualification, subject to Saipem evaluation, could be revoked at any time since the date of the said event.

Best Regards,

SAIPEM S.p.A.
Procurement and Field Order Services
Pietro Gaudenzi

SAIPEM.COM

SAIPEM S.p.A.
Corporate Capital 0.081.000.000 € Fully paid-up
Exempted and Reserved Share Business Register
Milano n. 205954
Taxpayer's Code and VAT number 00805700157

ADNOC APPROVAL

Work/Product Groups

Number	Name	Status	Grade
320603	CABLES - LV POWER DISTRIBUTION	Pre-qualified	-
320612	CABLES - FIBER OPTICS	Pre-qualified	-
320618	CABLES - FOR INSTRUMENTS & CONTROL	Pre-qualified	-
320621	CABLES - FIRE RESISTANT	Pre-qualified	-
320627	CABLES FOR DOWNHOLE ELECTRIC SUBMERSIBLE PUMPS (ESP)	Pre-qualified	-

Contracts and Supply Chain Management Department

PROT VM-205-17494-FP

THERMO CABLES LTD.
NAGANJUNA HILLS # 18
80000 WINDHAM
INDIA

SAIPEM S.p.A.
Procurement and Field Order Services
Pietro Gaudenzi

SAIPEM.COM

SAIPEM S.p.A.
Corporate Capital 0.081.000.000 € Fully paid-up
Exempted and Reserved Share Business Register
Milano n. 205954
Taxpayer's Code and VAT number 00805700157

THIS DOCUMENT IS ELECTRONICALLY GENERATED AND REQUIRES NO SIGNATURE

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

L&T Hydrocarbon Engineering Limited
M&B Downstream Projects
L&T Knowledge City, West Block I
M.M. No. 8, Haryana, India - 150 021
Gurgaon, Haryana

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, Panjagutta, Hyderabad-500082, Andhra Pradesh, INDIA has Manufactured and supplied us Foundation Fieldbus, Instrumentation & Control as follows:

PO NO	PROJECT	CABLE TYPE	SUPPLIED QTY
PO01GFD/INST/FFCABLE/MG-05A	LGFD	POO-OMAN	Foundation Fieldbus
PO01GFD/INST/Instrument/MG-080	LGFD	POO-OMAN	Instrumentation & Control
HMD4-(78000-0493)/IN/AVD NO.003	SRDC 2	POO-OMAN	Instrumentation & Control

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

Authorized Signatory

Tel: +91 265 245 1000 / 1001 Fax: +91 265 245 1253 www.lntec.com
Registered Office: L&T House, A. M. Nagar, Ballard Estate, Mumbai - 400 001, INDIA
A subsidiary company of Larsen & Toubro Ltd. India



Chennai Metro Rail Limited
(A Joint Venture of Govt. of India and Govt. of Tamil Nadu)

Date : 31.03.2024

TO Whomsoever It May Concern

This is to certify that M/s. Thermo Cables Ltd., Hyderabad has supplied (in service) Thermo Retardant Power & Control Cables To M/s. Chennai Metro Rail Limited project through M/s. Valves Limited for Phase 1 and Phase 2 Extension of Elevated Stations for side (below referred purchase orders).

Sr. No.	Purchase Order	PO Date	Value in INR	Cable Type	Project	Approx. supplied Qty (M)	Year of Completion/Installation
1	1180031477	26.08.18	4,46,75,000	FR/GF/S-Cables	M&B 10 - Elevated	41326	May 2020
2	1190030460	26.03.20	4,30,265	FR/S-Cables	M&B 10 - Elevated	1908	December 2020
3	1200044304	23.03.21	2,70,20,000	FR/S / FS Cables	M&B 12 - MHO	28354	February 2022
4	1180044765	28.08.21	97,80,612	FS Cables	M&B 22 - MHO	3030	February 2022
5	1180044251	16.07.21	26,54,548	FS Cables	M&B 22 - MHO	29985	December 2022

M/s. Thermo Cables have supported in meeting our project schedules by supplying Cables within the stipulated delivery period. The Cables are in operation for more than 2 years and the Performance of the Cables is found to be Satisfactory.

Thanking you,

For Chennai Metro Rail Ltd.

Authorized Signatory

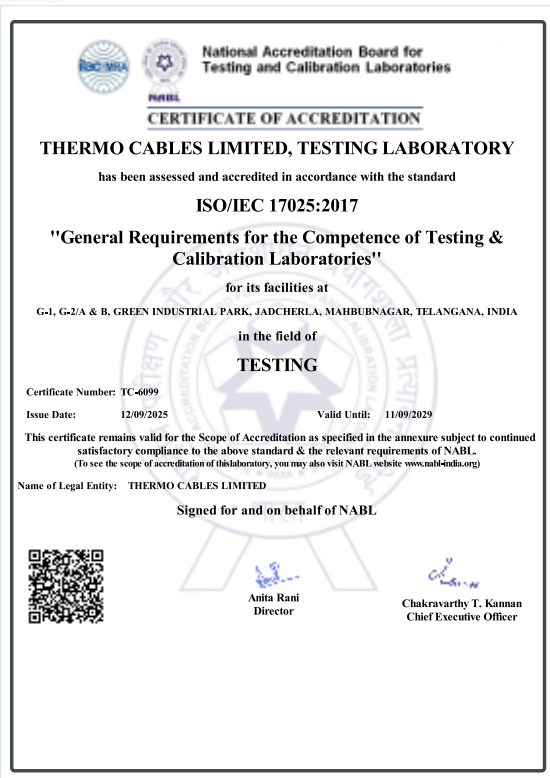
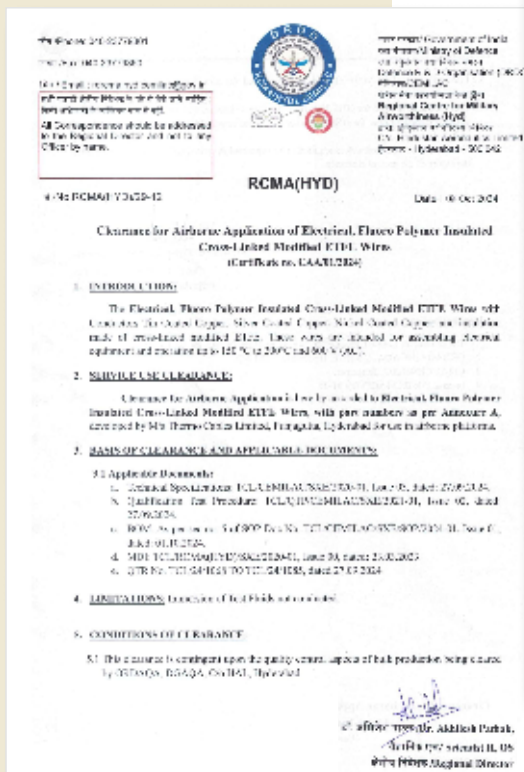
METROS, Anna Salai, Nandambam, Chennai - 600 035.
Email: chennai@metro-rail.in / Website: www.chennai-metro-rail.org
CIN : U60100TN002750C065994



NATIONAL CEMENT COMPANY LTD
Building The Nation

P. O. Box 22370 - 00000 NAIROBI, KENYA
TEL: 255 20 640 000, 640 0001, 640 0002, 640 0003, 640 0004, 640 0005, 640 0006, 640 0007, 640 0008, 640 0009, 640 0010, 640 0011, 640 0012, 640 0013, 640 0014, 640 0015, 640 0016, 640 0017, 640 0018, 640 0019, 640 0020, 640 0021, 640 0022, 640 0023, 640 0024, 640 0025, 640 0026, 640 0027, 640 0028, 640 0029, 640 0030, 640 0031, 640 0032, 640 0033, 640 0034, 640 0035, 640 0036, 640 0037, 640 0038, 640 0039, 640 0040, 640 0041, 640 0042, 640 0043, 640 0044, 640 0045, 640 0046, 640 0047, 640 0048, 640 0049, 640 0050, 640 0051, 640 0052, 640 0053, 640 0054, 640 0055, 640 0056, 640 0057, 640 0058, 640 0059, 640 0060, 640 0061, 640 0062, 640 0063, 640 0064, 640 0065, 640 0066, 640 0067, 640 0068, 640 0069, 640 0070, 640 0071, 640 0072, 640 0073, 640 0074, 640 0075, 640 0076, 640 0077, 640 0078, 640 0079, 640 0080, 640 0081, 640 0082, 640 0083, 640 0084, 640 0085, 640 0086, 640 0087, 640 0088, 640 0089, 640 0090, 640 0091, 640 0092, 640 0093, 640 0094, 640 0095, 640 0096, 640 0097, 640 0098, 640 0099, 640 0100, 640 0101, 640 0102, 640 0103, 640 0104, 640 0105, 640 0106, 640 0107, 640 0108, 640 0109, 640 0110, 640 0111, 640 0112, 640 0113, 640 0114, 640 0115, 640 0116, 640 0117, 640 0118, 640 0119, 640 0120, 640 0121, 640 0122, 640 0123, 640 0124, 640 0125, 640 0126, 640 0127, 640 0128, 640 0129, 640 0130, 640 0131, 640 0132, 640 0133, 640 0134, 640 0135, 640 0136, 640 0137, 640 0138, 640 0139, 640 0140, 640 0141, 640 0142, 640 0143, 640 0144, 640 0145, 640 0146, 640 0147, 640 0148, 640 0149, 640 0150, 640 0151, 640 0152, 640 0153, 640 0154, 640 0155, 640 0156, 640 0157, 640 0158, 640 0159, 640 0160, 640 0161, 640 0162, 640 0163, 640 0164, 640 0165, 640 0166, 640 0167, 640 0168, 640 0169, 640 0170, 640 0171, 640 0172, 640 0173, 640 0174, 640 0175, 640 0176, 640 0177, 640 0178, 640 0179, 640 0180, 640 0181, 640 0182, 640 0183, 640 0184, 640 0185, 640 0186, 640 0187, 640 0188, 640 0189, 640 0190, 640 0191, 640 0192, 640 0193, 640 0194, 640 0195, 640 0196, 640 0197, 640 0198, 640 0199, 640 0200, 640 0201, 640 0202, 640 0203, 640 0204, 640 0205, 640 0206, 640 0207, 640 0208, 640 0209, 640 0210, 640 0211, 640 0212, 640 0213, 640 0214, 640 0215, 640 0216, 640 0217, 640 0218, 640 0219, 640 0220, 640 0221, 640 0222, 640 0223, 640 0224, 640 0225, 640 0226, 640 0227, 640 0228, 640 0229, 640 0230, 640 0231, 640 0232, 640 0233, 640 0234, 640 0235, 640 0236, 640 0237, 640 0238, 640 0239, 640 0240, 640 0241, 640 0242, 640 0243, 640 0244, 640 0245, 640 0246, 640 0247, 640 0248, 640 0249, 640 0250, 640 0251, 640 0252, 640 0253, 640 0254, 640 0255, 640 0256, 640 0257, 640 0258, 640 0259, 640 0260, 640 0261, 640 0262, 640 0263, 640 0264, 640 0265, 640 0266, 640 0267, 640 0268, 640 0269, 640 0270, 640 0271, 640 0272, 640 0273, 640 0274, 640 0275, 640 0276, 640 0277, 640 0278, 640 0279, 640 0280, 640 0281, 640 0282, 640 0283, 640 0284, 640 0285, 640 0286, 640 0287, 640 0288, 640 0289, 640 0290, 640 0291, 640 0292, 640 0293, 640 0294, 640 0295, 640 0296, 640 0297, 640 0298, 640 0299, 640 0300, 640 0301, 640 0302, 640 0303, 640 0304, 640 0305, 640 0306, 640 0307, 640 0308, 640 0309, 640 0310, 640 0311, 640 0312, 640 0313, 640 0314, 640 0315, 640 0316, 640 0317, 640 0318, 640 0319, 640 0320, 640 0321, 640 0322, 640 0323, 640 0324, 640 0325, 640 0326, 640 0327, 640 0328, 640 0329, 640 0330, 640 0331, 640 0332, 640 0333, 640 0334, 640 0335, 640 0336, 640 0337, 640 0338, 640 0339, 640 0340, 640 0341, 640 0342, 640 0343, 640 0344, 640 0345, 640 0346, 640 0347, 640 0348, 640 0349, 640 0350, 640 0351, 640 0352, 640 0353, 640 0354, 640 0355, 640 0356, 640 0357, 640 0358, 640 0359, 640 0360, 640 0361, 640 0362, 640 0363, 640 0364, 640 0365, 640 0366, 640 0367, 640 0368, 640 0369, 640 0370, 640 0371, 640 0372, 640 0373, 640 0374, 640 0375, 640 0376, 640 0377, 640 0378, 640 0379, 640 0380, 640 0381, 640 0382, 640 0383, 640 0384, 640 0385, 640 0386, 640 0387, 640 0388, 640 0389, 640 0390, 640 0391, 640 0392, 640 0393, 640 0394, 640 0395, 640 0396, 640 0397, 640 0398, 640 0399, 640 0400, 640 0401, 640 0402, 640 0403, 640 0404, 640 0405, 640 0406, 640 0407, 640 0408, 640 0409, 640 0410, 640 0411, 640 0412, 640 0413, 640 0414, 640 0415, 640 0416, 640 0417, 640 0418, 640 0419, 640 0420, 640 0421, 640 0422, 640 0423, 640 0424, 640 0425, 640 0426, 640 0427, 640 0428, 640 0429, 640 0430, 640 0431, 640 0432, 640 0433, 640 0434, 640 0435, 640 0436, 640 0437, 640 0438, 640 0439, 640 0440, 640 0441, 640 0442, 640 0443, 640 0444, 640 0445, 640 0446, 640 0447, 640 0448, 640 0449, 640 0450, 640 0451, 640 0452, 640 0453, 640 0454, 640 0455, 640 0456, 640 0457, 640 0458, 640 0459, 640 0460, 640 0461, 640 0462, 640 0463, 640 0464, 640 0465, 640 0466, 640 0467, 640 0468, 640 0469, 640 0470, 640 0471, 640 0472, 640 0473, 640 0474, 640 0475, 640 0476, 640 0477, 640 0478, 640 0479, 640 0480, 640 0481, 640 0482, 640 0483, 640 0484, 640 0485, 640 0486, 640 0487, 640 0488, 640 0489, 640 0490, 640 0491, 640 0492, 640 0493, 640 0494, 640 0495, 640 0496, 640 0497, 640 0498, 640 0499, 640 0500, 640 0501, 640 0502, 640 0503, 640 0504, 640 0505, 640 0506, 640 0507, 640 0508, 640 0509, 640 0510, 640 0511, 640 0512, 640 0513, 640 0514, 640 0515, 640 0516, 640 0517, 640 0518, 640 0519, 640 0520, 640 0521, 640 0522, 640 0523, 640 0524, 640 0525, 640 0526, 640 0527, 640 0528, 640 0529, 640 0530, 640 0531, 640 0532, 640 0533, 640 0534, 640 0535, 640 0536, 640 0537, 640 0538, 640 0539, 640 0540, 640 0541, 640 0542, 640 0543, 640 0544, 640 0545, 640 0546, 640 0547, 640 0548, 640 0549, 640 0550, 640 0551, 640 0552, 640 0553, 640 0554, 640 0555, 640 0556, 640 0557, 640 0558, 640 0559, 640 0560, 640 0561, 640 0562, 640 0563, 640 0564, 640 0565, 640 0566, 640 0567, 640 0568, 640 0569, 640 0570, 640 0571, 640 0572, 640 0573, 640 0574, 640 0575, 640 0576, 640 0577, 640 0578, 640 0579, 640 0580, 640 0581, 640 0582, 640 0583, 640 0584, 640 0585, 640 0586, 640 0587, 640 0588, 640 0589, 640 0590, 640 0591, 640 0592, 640 0593, 640 0594, 640 0595, 640 0596, 640 0597, 640 0598, 640 0599, 640 0600, 640 0601, 640 0602, 640 0603, 640 0604, 640 0605, 640 0606, 640 0607, 640 0608, 640 0609, 640 0610, 640 0611, 640 0612, 640 0613, 640 0614, 640 0615, 640 0616, 640 0617, 640 0618, 640 0619, 640 0620, 640 0621, 640 0622, 640 0623, 640 0624, 640 0625, 640 0626, 640 0627, 640 0628, 640 0629, 640 0630, 640 0631, 640 0632, 640 0633, 640 0634, 640 0635, 640 0636, 640 0637, 640 0638, 640 0639, 640 0640, 640 0641, 640 0642, 640 0643, 640 0644, 640 0645, 640 0646, 640 0647, 640 0648, 640 0649, 640 0650, 640 0651, 640 0652, 640 0653, 640 0654, 640 0655, 640 0656, 640 0657, 640 0658, 640 0659, 640 0660, 640 0661, 640 0662, 640 0663, 640 0664, 640 0665, 640 0666, 640 0667, 640 0668, 640 0669, 640 0670, 640 0671, 640 0672, 640 0673, 640 0674, 640 0675, 640 0676, 640 0677, 640 0678, 640 0679, 640 0680, 640 0681, 640 0682, 640 0683, 640 0684, 640 0685, 640 0686, 640 0687, 640 0688, 640 0689, 640 0690, 640 0691, 640 0692, 640 0693, 640 0694, 640 0695, 640 0696, 640 0697, 640 0698, 640 0699, 640 0700, 640 0701, 640 0702, 640 0703, 640 0704, 640 0705, 640 0706, 640 0707, 640 0708, 640 0709, 640 0710, 640 0711, 640 0712, 640 0713, 640 0714, 640 0715, 640 0716, 640 0717, 640 0718, 640 0719, 640 0720, 640 0721, 640 0722, 640 0723, 640 0724, 640 0725, 640 0726, 640 0727, 640 0728, 640 0729, 640 0730, 640 0731, 640 0732, 640 0733, 640 0734, 640 0735, 640 0736, 640 0737, 640 0738, 640 0739, 640 0740, 640 0741, 640 0742, 640 0743, 640 0744, 640 0745, 640 0746, 640 0747, 640 0748, 640 0749, 640 0750, 640 0751, 640 0752, 640 0753, 640 0754, 640 0755, 640 0756, 640 0757, 640 0758, 640 0759, 640 0760, 640 0761, 640 0762, 640 0763, 640 0764, 640 0765, 640 0766, 640 0767, 640 0768, 640 0769, 640 0770, 640 0771, 640 0772, 640 0773, 640 0774, 640 0775, 640 0776, 640 0777, 640 0778, 640 0779, 640 0780, 640 0781, 640 0782, 640 0783, 640 0784, 640 0785, 640 0786, 640 0787, 640 0788, 640 0789, 640 0790, 640 0791, 640 0792, 640 0793, 640 0794, 640 0795, 640 0796, 640 0797, 640 0798, 640 0799, 640 0800, 640 0801, 640 0802, 640 0803, 640 0804, 640 0805, 640 0806, 640 0807, 640 0808, 640 0809, 640 0810, 640 0811, 640 0812, 640 0813, 640 0814, 640 0815, 640 0816, 640 0817, 640 0818, 640 0819, 640 0820, 640 0821, 640 0822, 640 0823, 640 0824, 640 0825, 640 0826, 640 0827, 640 0828, 640 0829, 640 0830, 640 0831, 640 0832, 640 0833, 640 0834, 640 0835, 640 0836, 640 0837, 640 0838, 640 0839, 640 0840, 640 0841, 640 0842, 640 0843, 640 0844, 640 0845, 640 0846, 640 0847, 640 0848, 640 0849, 640 0850, 640 0851, 640 0852, 640 0853, 640 0854, 640 0855, 640 0856, 640 0857, 640 0858, 640 0859, 640 0860, 640 0861, 640 0862, 640 0863, 640 0864, 640 0865, 640 0866, 640 0867, 640 0868, 640 0869, 640 0870, 640 0871, 640 0872, 640 0873, 640 0874, 640 0875, 640 0876, 640 0877, 640 0878, 640 0879, 640 0880, 640 0881, 640 0882, 640 0883, 640 0884, 640 0885, 640 0886, 640 0887, 640 0888, 640 0889, 640 0890, 640 0891, 640 0892, 640 0893, 640 0894, 640 0895, 640 0896, 640 0897, 640 0898, 640 0899, 640 0900, 640 0901, 640 0902, 640 0903, 640 0904, 640 0905, 640 0906, 640 0907, 640 0908, 640 0909, 640 0910, 640 0911, 640 0912, 640 0913, 640 0914, 640 0915, 640 0916, 640 0917, 640 0918, 640 0919, 640 0920, 640 0921, 640 0922, 640 0923, 640 0924, 640 0925, 640 0926, 640 0927, 640 0928, 640 0929, 640 0930, 640 0931, 640 0932, 640 0933, 640 0934, 640 0935, 640 0936, 640 0937, 640 0938, 640 0939, 640 0940, 640 0941, 640 0942, 640 0943, 640 0944, 640 0945, 640 0946, 640 0947, 640 0948, 640 0949, 640 0950, 640 0951, 640 0952, 640 0953, 640 0954, 640 0955, 640 0956, 640 0957, 640 0958, 640 0959, 640 0960, 640 0961, 640 0962, 640 0963, 640 0964, 640 0965, 640 0966, 640 0967, 640 0968, 640 0969, 640 0970, 640 0971, 640 0972, 640 0973, 640 0974, 640 0975, 640 0976, 640 0977, 640 0978, 640 0979, 640 0980, 640 0981, 640 0982, 640 0983, 640 0984, 640 0985, 640 0986, 640 0987, 640 0988, 640 0989, 640 0990, 640 0991, 640 0992, 640 0993, 640 0994, 640 0995, 640 0996, 640 0997, 640 0998, 640 0999, 640 1000, 640 1001, 640 1002, 640 1003, 640 1004, 640 1005, 640 1006, 640 1007, 640 1008, 640 1009, 640 1010, 640

System Certications



Infrastructure

Machinery

Name of the Machine	Name of the Machine	Name of the Machine - Range/LC
Rod Break Down Machine (9 Die) Rod Break Down Machine (11 Die) Rod Break Down Machine (13 Die) Skip Stranding Machine - 2 Nos Electroplating Tinning Machine - 2 Nos Multi Wire Drawing Machine 30 mm Multi Wire Drawing Machine 8 Wire - 2 Nos Fine Wire Drawing Machine - 4 Nos Mixing Machine 75 mm - 3 Nos Kneader Line - 2 Nos 75 L Kneader Ring Marker High Speed Core Rewinding - 4 Nos Taping Machine - 7 Nos Vertical Taping Machine - 6 Nos Horizontal Taping Machine - 12 Nos Single Twist Bunching Machine 400 Single Twist Bunching Machine Tandem Extrusion Line (Ø50 + 65/35 mm) Tandem Extruder Line (Ø80+ Ø100/Ø35) Tandem Extruder Line (Ø35+ Ø50/Ø35) Extruder Machine 20 mm Bi Color Extruder Machine 45 mm Extruder Machine 45 mm Bi Color Extruder Machine 65 mm - 9 Nos Extruder Machine 70 mm Extruder Machine 70/35 mm Extruder Machine 75 mm - 3 Nos Extruder Machine 80 mm - 4 Nos Extruder Machine 100 mm Core Rewinding Machine - 7 Nos Cooling Tower - 6 Nos GI Rewinding Machine - 20 Nos Ceramic Butt Welding Machine Butt Welding Machine - 15 Nos Electron Beam Accelerator - 2 Nos Pairing Machine - 4 Nos Pairing Back Twist Machine Laying Machine (7 Bobbins) Laying Machine (7 Bobbins) - Single Twist Laying Machine (13 Bobbins) Laying Machine (19 Bobbins) - 4 Nos Laying Machine (37 Bobbins) - 3 Nos Laying (42 Bobbin) Armouring Machine (30 Bobbin) - 2 Nos Armouring Machine (40 Bobbin) Armouring Machine (48 Bobbin) - 4 Nos Armouring Machine (72 Bobbin) Armouring Machine (96 Bobbin) Extruder Sheathing Machine 80 mm - 2 Nos Extruder Sheathing Machine 100 mm Cable Rewinding Machine - 5 Nos GI Rewinding Strip Machine - 2 Nos Off Line Annealer Nickel Plating - 2 Nos Pointing Machine - 2 Nos Fork Lift - 2 Nos Auto Clave HOIST 'A' - Skip HOIST 'B' - 54 Stranding HOIST 'P' - Stores HOIST 'C' - 7 B Laying HOIST 'E' - 13 Laying HOIST 'E' - 19 Laying - 2 Nos	HOIST 'E' - 19 B Laying - 2 Nos HOIST 'G' - 30 Armouring - 2 Nos HOIST 'G' - 30 B Armouring HOIST 'F' - 37 Laying HOIST 'F' - 37 B Laying - 2 Nos HOIST 'K' - 40 Armouring HOIST 'H' - 48 Armouring - 2 Nos HOIST 'H' - 48 B Armouring - 2 Nos HOIST 'J' - 72 B Armouring HOIST 'F' - 96 Armouring HOIST 'K' - HV Area HOIST 'L' - Drum Twister Area HOIST 'O' - RBD Area HOIST 'I' - Despatch - 2 Nos Chain Hoist 'A' - G I Rewinding - 2 Nos Chain Hoist 'C' - Simon Taping - 4 Nos High Speed Bunching Machine - 10 Nos Chiller - 2 Nos Chiller 5 TR Chiller 10 TR - 2 Nos Chiller 20 TR PVC Mixer High Speed Mixer 60 kg High Speed Mixer 120 kg High Speed Mixer 200 kg 16 A High Speed Braiding - 3 Nos 16 F High Speed Braiding - 2 Nos 24 High Speed Braiding - 2 Nos 24 A High Speed Braiding - 5 Nos 24 E High Speed Braiding - 4 Nos 24 F High Speed Braiding 48 High Speed Braiding 3 HP Air Compressor 10 HP Air Compressor - 3 Nos 15 HP Air Compressor 20 HP Air Compressor - 2 Nos 25 HP Air Compressor 100 HP Air Compressor - 3 Nos Brazing Machine - 4 Nos H V Testing - 3 Nos Drum Twister Machine 630 Single Twister Machine 7 Bobbin 800 Single Twister Machine 12 Bobbin 1250 Single Twister Machine 19 Bobbin DT 500 Buncher Machine Scissor Lift 2 ton Steam Boiler PVC Grinder Hydraulic Press PT Stranding & Taping Machine Silicone Rubber Mixing Machine 65/150 Two Stage Extruder (Compounding Line) 60 KVA UPS 80 KVA UPS - 2 Nos 100 KVA UPS 120 KVA UPS 160 KVA UPS 200 KVA UPS 250 KVA UPS - 2 Nos 320 KVA DG Set 365 KVA DG Set 600 KVA DG Set Inkjet Printers - 36 Nos Laser Printers - 4 Nos	Fourier Transmission infrared Spectrometer (FTIR) Profile Projector Digital Thermometer With Sensor - 2 Nos Hot Air Ageing 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 Bend Cold Impact Test Set - 2 Nos 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 mQ to 19.999 kQ (2 Nos.) & 1 mQ to 1.9999 kQ (1 No.) H V Tester 4 Nos - 0-5 / 10 KV Million Mega Ohm Meter 6 Nos - 1 MQ to 100 GQ, 1 MQ to 50 TQ & 2 MQ to 20 GQ 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 Weighing Machine - 3 Nos 0 to 180 grms & 10 grms to 3 kgs Kelvin Bridge - 0-11 Q 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 & Test Mandrel Set 0 to 1 Metre Condition Chamber 2 Nos - 20° C to 40° C (Temp.) & 40 to 80 RH Insulation Resistance Tester - 0 to 1000 MQ / 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 - MQ 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 Millimeter Abrasion Resistance Tester Dynamic Cut Through Tester Cable Analyzer Universal Testing Machine PC Based Crosstalk Attenuation & Impedance Meter Attenuation 0.1 to 20 dB, Cross talk (- 40 to 100 dB), Impedance 199.9Q to 1.999kQ Network Analyzer (AESAs) Fluke - DSX - 8000 Toxity Index Tester as per EN 45545-2 Step Load Tester Bending Torsion Tester Vibration Tester

Testing Equipment

