

**CIMEC**<sup>®</sup>  
गुणवत्ता सर्वव्यापी



# CIMEC INFRALABS PRIVATE LIMITED

Providing Services to Industry for over 11 years

*MECHANICAL // NDT // CHEMICAL // ELECTRICAL // FOOD*

# PT CALENDAR 2026



CIMEC INFRALABS PRIVATE LIMITED  
179/13, ANAND INDUSTRIAL ESTATE,  
MOHAN NAGAR (201007), GHAZIABAD  
UTTAR PRADESH - INDIA

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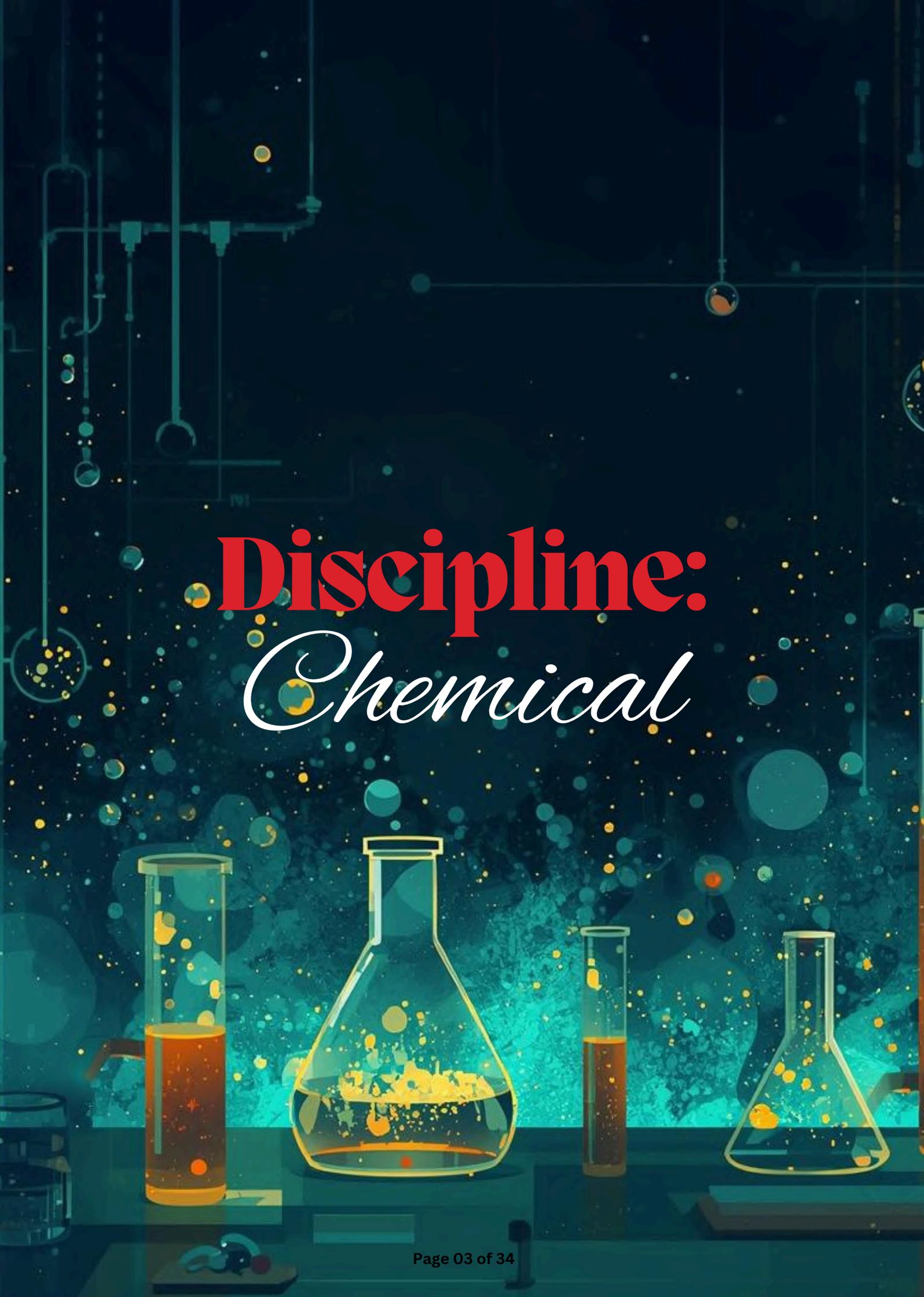
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# Discipline: *Chemical*

S.NO	NAME OF PT ITEM & PT SCHEME NO.	TEST PARAMETER	TEST METHOD SUGGESTED	PT FEE (INR)
1.	Cement (OPC) CIL/PT-26C/OPC	Loss on Ignition (LOI)	IS 4032/Any Validated Method	8000/-
		Sulfuric Anhydride(SO <sub>3</sub> )		
		Magnesium Oxide (MgO)		
		Insoluble Residue (IR)		
		Aluminium Oxide(Al <sub>2</sub> O <sub>3</sub> )		
		Ferric Oxide(Fe <sub>2</sub> O <sub>3</sub> )		
		Calcium Oxide(CaO)		
		Silica (as SiO <sub>2</sub> )		
		Chloride(Cl)		
2.	Cement (PPC) CIL/PT-26C/PPC	Loss on Ignition(LOI)	IS 4032/Any Validated Method	8000/-
		Sulfuric Anhydride(SO <sub>3</sub> )		
		Magnesium Oxide (MgO)		
		Insoluble Residue(IR)		
		**Aluminium Oxide(Al <sub>2</sub> O <sub>3</sub> )		
		**Ferric Oxide(Fe <sub>2</sub> O <sub>3</sub> )		
		**Calcium Oxide(CaO)		
		** Silica (as SiO <sub>2</sub> )		
		Chloride(Cl)		
3.	**Cement-OPC-43 for Chemical Composition (Minor Constituents) CIL/PT-26C/OPC43	Sodium (as Na <sub>2</sub> O)	IS 4032/ IS 9497/ Any Validated Method	Complimentary
		Potassium (as K <sub>2</sub> O)		
		Phosphorus Pentoxide(P <sub>2</sub> O <sub>5</sub> )	IS 12423/ Any Validated Method	
		Manganese Trioxide(Mn <sub>2</sub> O <sub>3</sub> )		
		Titanium Dioxide (TiO <sub>2</sub> )		
4.	Micro Silica CIL/PT-26C/M.SILICA	Aluminium Oxide(Al <sub>2</sub> O <sub>3</sub> )	IS 1727/ Any Validated method	8000/-
		Ferric Oxide(Fe <sub>2</sub> O <sub>3</sub> )		
		Calcium Oxide(CaO)		
		Magnesium Oxide (MgO)		
		Silica ( as SiO <sub>2</sub> )		
		Loss on Ignition(LOI)		
		Sulfuric Anhydride(SO <sub>3</sub> )		
		Moisture Content	IS 15388/ Any Validated method	
		Sodium (as Na <sub>2</sub> O)	IS 9497 / Any Validated Method	
		Potassium (as K <sub>2</sub> O)		
5.	Fine Aggregate CIL/PT-26C/F.AGG	Dissolve Silica	IS 2386 (Pt-7) /Any Validated Method	5000/-
		Reduction in Alkalinity		

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S.NO	NAME OF PT ITEM & PT SCHEME NO.	TEST PARAMETER	TEST METHOD SUGGESTED	PT FEE (INR)
6.	Fly Ash CIL/PT-26C/FA	Loss on Ignition(LOI)	IS 1727/Any Validated method	8000/-
		Sulfuric Anhydride(SO <sub>3</sub> )	IS 1727/Any Validated method	
		Aluminum Oxide (Al <sub>2</sub> O <sub>3</sub> )	IS 1727/Any Validated method	
		Calcium Oxide(CaO)	IS 1727/Any Validated method	
		Ferric Oxide (Fe <sub>2</sub> O <sub>3</sub> )	IS 1727/Any Validated method	
		Silica (as SiO <sub>2</sub> )	IS 1727/Any Validated method	
		Magnesium Oxide (MgO)	IS 1727/Any Validated method	
		Chloride (Cl)	IS 4032/Any Validated method	
		Reactive Silica	IS 3812 (Pt-1) /Any Validated method	
		Sodium (as Na <sub>2</sub> O)	IS 9497/Any Validated method	
		Potassium (as K <sub>2</sub> O)		
7.	Admixture CIL/PT-26C/ADMX	pH Value	IS 9103/Any Validated Method	8000/-
		Ash Content		
		Dry Material Content		
		Relative Density		
		Chloride Content	IS 6925/Any Validated Method	
8.	Hardened Concrete CIL/PT-26C/H.CONC	Sulphate (as SO <sub>3</sub> )	IS 2317/Any Validated Method	6000/-
		Chlorides (Acid Soluble)	IS 14959 (Pt-2)/Any Validated Method	
		Chlorides (Water Soluble)	IS 14959 (Pt-2)/Any Validated Method	
9.	Hydrated Lime CIL/PT-26C/LIME	SiO <sub>2</sub> (Acid Insoluble)	IS 1514/Any Validated method	8000/-
		Aluminum Oxide (Al <sub>2</sub> O <sub>3</sub> )		
		Ferric Oxide(Fe <sub>2</sub> O <sub>3</sub> )		
		Available Lime [Ca(OH) <sub>2</sub> ]		
		Magnesium Oxide(MgO)	IS 6932 (Pt-1)/Any Validated method	
		Calcium Oxide(CaO)		
		Insoluble Residue (IR)	Annex-5,IS 1540(Pt-1)/Any Validated method	
10.	Soil CIL/PT-26C/SOIL-A	pH Value	IS 2720 (Pt-26) /Any Validated method	8000/-
		Sodium(as Na <sub>2</sub> O)	IS 9497 / Any Validated Method	
		Potassium (as K <sub>2</sub> O)	IS 9497 / Any Validated Method	
		Calcium Carbonate(CaCO <sub>3</sub> )	IS 2720 (Pt-23) /Any Validated method	
		Soluble Chloride	BS 1377 (Pt-3) /Any Validated method	
		Total Soluble sulphate	IS 2720 (Pt-27) /Any Validated method	
		Organic Matter	IS 2720 (Pt-22) /Any Validated method	
		Total Soluble Solids	IS 2720 (Pt-21) /Any Validated method	

S.NO	NAME OF PT ITEM & PT SCHEME NO.	TEST PARAMETER	TEST METHOD SUGGESTED	PT FEE (INR)
11.	<b>**Clinker for Chemical Composition CIL/PT-26C/CLKR</b>	Alumina (Al <sub>2</sub> O <sub>3</sub> )	IS 4032/Any Validated Method	Complimentary
		Ferric Oxide (Fe <sub>2</sub> O <sub>3</sub> )		
		Calcium Oxide (CaO)		
		Insoluble Residue (IR)		
		Loss on Ignition (LOI)		
		Magnesium Oxide (MgO)		
		Silica (as SiO <sub>2</sub> )		
		Sulfuric Anhydride(SO <sub>3</sub> )		
		Chloride (Cl)		
		Free Lime		
		Sodium (as Na <sub>2</sub> O)	IS 9497/Any validated Method	
Potassium (as K <sub>2</sub> O)				
12.	<b>**Testing of Gypsum (Building Plaster) for Chemical Composition CIL/PT-26C/PLGSM</b>	Calcium Oxide (CaO)	IS 1288/ Any Validated Method	Complimentary
		Sulfuric Anhydride(SO <sub>3</sub> )		
		Soluble Magnesium Salt (as MgO)	Appendix-A,IS 2547 (Pt-1)/Any Validated Method	
		Loss on Ignition (LOI)	Appendix-B,IS 2547 (Pt-1)/Any Validated Method	
		Free Lime	Appendix-C,IS 2547(Pt-1)/Any Validated Method	
13.	<b>**Testing of Sodium Silicate for Chemical Composition CIL/PT-26C/SODSKT</b>	Iron (as Fe)	Annex-11,IS 14212/Any Validated Method	Complimentary
		Chloride (as NaCl)	Annex-14,IS 14212/Any Validated Method	
		Matter Insoluble in water	Annex-3,IS 14212/Any Validated Method	
		Sulphate (as Na <sub>2</sub> SO <sub>4</sub> )	Annex-15,IS 14212/Any Validated Method	
		Relative Density	Annex-5,IS 14212/Any Validated Method	
		Total Soluble silicate	Annex-8,IS 14212/Any validated method	
		pH Value	IS 2720 (Pt-26)/Any Validated Method	
		Total Soluble silica (as SiO <sub>2</sub> )	Annex-6,IS 14212/Any validated method	

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S.NO	NAME OF PT ITEM & PT SCHEME NO.	TEST PARAMETER	TEST METHOD SUGGESTED	PT FEE (INR)
14.	Water for drinking purpose CIL/PT-26C/D.WTR	pH Value	IS 3025(Pt-11) /Any Validated method	10000/-
		Chloride	IS 3025 (Pt-32) /Any Validated method	
		Calcium	IS 3025 (Pt-40) /Any Validated method	
		Magnesium (Mg)	IS 3025 (Pt-46) /Any Validated method	
		Total Dissolved Solids(TDS)	IS 3025 (Pt-16) /Any Validated method	
		Total Hardness (CaCO <sub>3</sub> )	IS 3025 (Pt-21) /Any Validated method	
		Total Suspended Solids	IS 3025 (Pt-17) /Any Validated method	
		Conductivity	IS 3025 (Pt-14) /Any Validated method	
		Sulphates (SO <sub>4</sub> )	IS 3025 (Pt-24) /Any Validated method	
		Total Alkalinity	IS 3025 (Pt-23) /Any Validated method	
		Turbidity	IS 3025 (Pt-10) /Any Validated method	
15.	**Water for drinking purpose CIL/PT-26C/MIN.WTR	Iron as Fe	IS 3025 (Pt-53) /Any Validated method	5000/-
		Silicon as Si	IS 3025 (Pt-35) /Any Validated method	
		Nitrate as NO <sub>3</sub>	IS 3025 (Pt-34) /Any Validated method	
		Fluoride as F	APHA 4500/Any Validated method	
		Sodium as Na	IS 3025 (Pt-45) /Any Validated method	
		Potassium as K	IS 3025 (Pt-45) /Any Validated method	
16.	Water for Construction Purpose CIL/PT-26C/C.WTR	pH value	IS 3025 (Pt-11) /Any Validated method	10000/-
		Total Suspended Matter	IS 3025 (Pt-17) /Any Validated method	
		Chloride as Cl	IS 3025 (Pt-32) /Any Validated method	
		Inorganic Solids	IS 3025 (Pt-18) /Any Validated method	
		Acidity (as IS 456 CL 5.4 (a))	IS 3025 (Pt-22) /Any Validated method	
		Alkalinity (as IS 456 CL 5.4 (b))	IS 3025 (Pt-23) /Any Validated method	
		Sulphate as SO <sub>3</sub>	IS 3025 (Pt-24) /Any Validated method	
		Organic Solids	IS 3025 (Pt-18) /Any Validated method	



FOR PT ENQUIRY:

pt@cimec.in

+91-9599383142

FOR ANY OTHER

ENQUIRY:

info@cimec.co.in

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S.NO	NAME OF PT ITEM & PT SCHEME NO.	TEST PARAMETER	TEST METHOD SUGGESTED	PT FEE (INR)
17.	<b>**Waste Water</b> CIL/PT-26C/W.WTR	Biochemical Oxygen Demand (BOD), 3 Days at 27 °C	IS 3025 (Pt-44) /Any Validated method	5000/-
		Chemical Oxygen Demand (COD)	IS 3025 (Pt-58) /Any Validated method	
		Oil & Grease	IS 3025 (Pt-39) /Any Validated method	
		pH (at 25°C)	IS 3025 (Pt-11) /Any Validated method	
		Total Dissolved Solids (Dried at 103-105 °C)	IS 3025 (Pt-16) /Any Validated method	
		Total Nitrogen	IS 3025 (Pt-34) /Any Validated method	
		Total Suspended Solids (Dried at 103-105 °C)	IS 3025 (Pt-17) /Any Validated method	
		Silica (as SiO <sub>2</sub> )	IS 3025 (Pt-35) /Any validated Method	
		Potassium (as K)	IS 3025 (Pt-45) /Any Validated Method	
		Phosphorus (as P/PO <sub>4</sub> )	IS 3025 (Pt-31) /Any Validated Method	
		Sodium (as Na)	IS 3025 (Pt-45) /Any Validated Method	
		Hexavalent Chromium (as Cr+6)	IS 3025 (Pt-52) /Any Validated Method	
		Ammonical Nitrogen (as N)	IS 3025 (Pt-34) /Any Validated Method	
		Conductivity (at 27 °C)	IS 3025 (Pt-14) /Any Validated Method	
Dissolved Oxygen	IS 3025 (Pt-38) /Any Validated Method			
18.	<b>**Soil</b> CIL/PT-26C/SOIL-B	Available Calcium	Any Validated Method	Complementary
		Available Nitrogen	Any Validated Method	
		Available Phosphorus	Any Validated Method	
		Available Potassium	Any Validated Method	
		Available Sodium	Any Validated Method	
		Cation Exchange Capacity	IS 2720 (Pt-24) /Any Validated Method	
		Chloride	Any Validated Method	
		Organic Carbon	IS 2720 (Part 22) /Any Validated Method	
		Specific Conductance	IS 14767 Any Validated Method	
		Total Kjeldhal Nitrogen	IS 14684 Any Validated Method	
		Water Content	IS 2720 (Part 2) Any Validated Method	



FOR PT ENQUIRY:

pt@cimec.in

+91-9599383142

FOR ANY OTHER

ENQUIRY:

info@cimec.co.in

Group 04 | Metal & Alloys  
(Ferrous & Non-Ferrous)

Continued..

S.NO	NAME OF PT ITEM & PT SCHEME NO.	TEST PARAMETER	TEST METHOD SUGGESTED	PT FEE (INR)
19.	High Carbon Steel CIL/PT-26C/HCS	Carbon	ASTM E415/IS 8811/JIS 1253/ IS 228/ Any Validated Method	8000/-
		Chromium		
		Copper		
		Manganese		
		Phosphorous		
		Molybdenum		
		Nickel		
		Silicon		
		Sulphur		
20.	Brass CIL/PT-26C/BRASS	Copper	IS 3685/Any Validated Method	8000/-
		Iron		
		Manganese		
		Zinc		
		Nickel		
		Phosphorus		
		Lead		
		Tin		
		Silicon		
21.	**Aluminum Alloy for Chemical Composition CIL/PT-26C/ALUM	Vanadium	ASTM E1251/IS 504/ Any Validated Method	4000/-
		Beryllium		
		Chromium		
		Copper		
		Iron		
		Lead		
		Magnesium		
		Manganese		
		Nickel		
		Silicon		
		Tin		
		Titanium		
		Zinc		
Zirconium				

FOR PT ENQUIRY:

pt@cimec.in

+91-9599383142

FOR ANY OTHER

ENQUIRY:

info@cimec.co.in

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## Metal & Alloys (Ferrous & Non-Ferrous)

S.NO	NAME OF PT ITEM & PT SCHEME NO.	TEST PARAMETER	TEST METHOD SUGGESTED	PT FEE (INR)
22.	Stainless Steel CIL/PT-26C/SS	Carbon	ASTM E1086/IS 9879/JIS 1253/ IS 228/ Any Validated Method	8000/-
		Silicon		
		Sulphur		
		Phosphorus		
		Manganese		
		Nickel		
		Chromium		
		Molybdenum		
		Copper		
23.	Bronze Metal for Chemical Composition CIL/PT-26C/BRONZ	Copper	BS EN 15079 /IS 3685/ IS 4667/IS 440/ Any Validated Method	8000/-
		Iron		
		Lead		
		Manganese		
		Nickel		
		Silicon		
		Tin		
		Zinc		
24.	**Cast Iron for Chemical Composition CIL/PT-26C/C.IRON	Carbon	IS 12308 (Pt-11) /Any Validated Method	4000/-
		Chromium	IS 12308 (Pt-8) /Any Validated Method	
		Manganese	IS 12308 (Pt-10) /Any Validated Method	
		Nickel	IS 12308 (Pt-7) /Any Validated Method	
		Phosphorous	IS 12308 (Pt-5) /Any Validated Method	
		Silicon	IS 12308 (Pt-6)/Any Validated Method)	
		Sulphur	IS 12308 (Pt-2) /Any Validated Method	
25.	Low Alloy Steel CIL/PT-26C/LAS	Carbon	ASTM E415/IS 8811/JIS 1253/ IS 228/ Any Validated Method	8000/-
		Copper		
		Silicon		
		Sulphur		
		Phosphorus		
		Manganese		
		Nickel		
		Chromium		
		Molybdenum		

FOR PT ENQUIRY:

pt@cimec.in

+91-9599383142

FOR ANY OTHER

ENQUIRY:

info@cimec.co.in

## Group 05 | Ores & Minerals

Continued..

S.NO	NAME OF PT ITEM & PT SCHEME NO.	TEST PARAMETER	TEST METHOD SUGGESTED	PT FEE (INR)
26.	<b>**Lime Stone</b> CIL/PT-26C/LSTN	Aluminum Oxide (Al <sub>2</sub> O <sub>3</sub> )	IS 1760 (Pt-3) /Any Validated method	<b>Complimentary</b>
		Calcium Oxide (CaO)	IS 1760 (Pt-3) /Any Validated method	
		Chloride as Cl	IS 1760 (Pt-5) /Any Validated method	
		Free Silica	IS 1760 (Pt-6) /Any Validated method	
		Ferric Oxide (Fe <sub>2</sub> O <sub>3</sub> )	IS 1760 (Pt-3)/Any Validated method	
		Loss on Ignition (LOI)	IS 1760 (Pt-1) /Any Validated method	
		Magnesium Oxide(MgO)	IS 1760 (Pt-3) /Any Validated method	
		Silica (as SiO <sub>2</sub> )	IS 1760 (Pt-2) /Any Validated method	
		Sulphate (SO <sub>3</sub> )	ASTM C-25/Any Validated method	
27.	<b>Mineral Gypsum</b> CIL/PT-26C/GPSM	Aluminum Oxide (Al <sub>2</sub> O <sub>3</sub> )	IS 1288/Any Validated method	<b>10000/-</b>
		Calcium Oxide (CaO)		
		Ferric Oxide (Fe <sub>2</sub> O <sub>3</sub> )		
		Chloride (NaCl)		
		Magnesium Oxide(MgO)		
		SiO <sub>2</sub> (as Acid Insoluble Matter)		
		Sulphate (SO <sub>3</sub> )		

## Group 06 | Solid Fuels

28.	<b>Coal</b> CIL/PT-26C/COAL	Gross Calorific Value (GCV)	IS 1350 (Pt-2)/Any validated method	<b>10000/-</b>
		Ash Content	IS 1350 (Pt-1)/Any validated method	
		Volatile Matter	IS 1350 (Pt-1)/Any validated method	
		Total Moisture	IS 1350 (Pt-1)/Any validated method	
		Total Sulphur	IS 1350 (Pt-3)/Any validated method	
		Fixed Carbon	IS 1350 (Pt-1)/Any validated method	
29.	<b>Coke</b> CIL/PT-26C/COKE	Gross Calorific Value (GCV)	IS 1350 (Pt-2)/Any validated method	<b>10000/-</b>
		Ash Content	IS 1350 (Pt-1)/Any validated method	
		Volatile Matter	IS 1350 (Pt-1)/Any validated method	
		Total Moisture (Air Oven Dry)	IS 1350 (Pt-1)/Any validated method	
		Total Sulphur	IS 1350 (Pt-3)/Any validated method	
		Fixed Carbon	IS 1350 (Pt-1)/Any validated method	
30.	<b>Biomass</b> CIL/PT-26C/BMS	Ash Content	ASTM 1755/Any validated method	<b>8000/-</b>
		Volatile Matter	ASTM E872/Any validated method	
		Total Moisture	ASTM E4442/Any validated method	
		Gross Calorific Value (GCV)	ISO 1928/ Any validated method	



FOR PT ENQUIRY:

pt@cimec.in

+91-9599383142

FOR ANY OTHER

ENQUIRY:

info@cimec.co.in

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S.NO	NAME OF PT ITEM & PT SCHEME NO.	TEST PARAMETER	TEST METHOD SUGGESTED	PT FEE (INR)
31.	**Atta CIL/PT-26F/ATTA	Alcoholic Acidity (with 90 Percent Alcohol) Expressed as H <sub>2</sub> SO <sub>4</sub> (On Dry Weight Basis)	IS 1155/Any Validated method	Complimentary
		Ash Insoluble in Dilute HCl		
		Gluten (On Dry Weight Basis)		
		Moisture		
		Total Ash		
		Total Protein	IS 7219/Any Validated method	
32.	**Biscuit/Cookies CIL/PT-26F/BKRY	Acidity of Extracted Fat	IS 1011/Any Validated method	Complimentary
		Ash Insoluble Ash		
		Moisture		
		Fat	IS 6287/Any Validated method	
		Sucrose		
		Sulphated Ash		
		Protein	IS 7219/Any Validated method	
33.	**Chocolate CIL/PT-26F/CKLET	Acid Insoluble Ash	IS 6287/Any Validated method	Complimentary
		Fat content		
		Moisture		
		Sulphated Ash		
34.	**Cumin (Powder) CIL/PT-26F/CUMIN	Acid Insoluble Ash	FSSAI Manual of Methods of Analysis of Foods – Spices Herbs and Condiment (FSSAI 10.007) /Any Validated Method	Complimentary
		Crude Fiber	FSSAI Manual of Methods of Analysis of Foods – Spices Herbs and Condiment (FSSAI 10.014) /Any Validated Method	
		Moisture	FSSAI Manual of Methods of Analysis of Foods – Spices Herbs and Condiment (FSSAI 10.003) /Any Validated Method	
		Non-Volatile Ether Extract	FSSAI Manual of Methods of Analysis of Foods – Spices Herbs and Condiment (FSSAI 10.012) /Any Validated Method	
		Total Ash	FSSAI Manual of Methods of Analysis of Foods – Spices Herbs and Condiment (FSSAI 10.006) /Any Validated Method	
		Volatile Oil	FSSAI Manual of Methods of Analysis of Foods – Spices Herbs and Condiment (FSSAI 10.013) /Any Validated Method	
35.	**Namkeen CIL/PT-26F/NMKN	Acid Insoluble Ash	IS 15271/Any Validated method	Complimentary
		Acid Value of Extracted Fat	IS 15271/Any Validated method	
		Fat	IS 15271/Any Validated method	
		Moisture	IS 15271/Any Validated method	

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## Food & Agriculture Products

S.NO	NAME OF PT ITEM & PT SCHEME NO.	TEST PARAMETER	TEST METHOD SUGGESTED	PT FEE (INR)
36.	<b>**Coriander</b> CIL/PT-26F/CRNDR	<b>Acid Insoluble Ash</b>	FSSAI Manual of Methods of Analysis of Foods - Spices, Herbs and Condiment (FSSAI10.007) /Any Validated Method	<b>Complimentary</b>
		<b>Crude Fiber</b>	FSSAI Manual of Methods of Analysis of Foods - Spices, Herbs and Condiment (FSSAI10.014) /Any Validated Method	
		<b>Moisture</b>	FSSAI Manual of Methods of Analysis of Foods - Spices, Herbs and Condiment (FSSAI10.003) /Any Validated Method	
		<b>Total Ash</b>	FSSAI Manual of Methods of Analysis of Foods - Spices, Herbs and Condiment (FSSAI10.006) /Any Validated Method	
		<b>Volatile Oil</b>	FSSAI Manual of Methods of Analysis of Foods - Spices, Herbs and Condiment (FSSAI10.013) /Any Validated Method	
37.	<b>**Spices (Mixed Masala)</b> CIL/PT-26F/SPCS	<b>Acid Insoluble Ash</b>	FSSAI Manual of Methods of Analysis of Foods - Spices, Herbs and Condiment (FSSAI 10.007)/Any Validated Method	<b>Complimentary</b>
		<b>Crude Fiber</b>	FSSAI Manual of Methods of Analysis of Foods - Spices, Herbs and Condiment (FSSAI 10.014)/Any Validated Method	
		<b>Moisture</b>	FSSAI Manual of Methods of Analysis of Foods - Spices, Herbs and Condiment (FSSAI 10.003)/Any Validated Method	
		<b>Total Ash</b>	FSSAI Manual of Methods of Analysis of Foods - Spices, Herbs and Condiment (FSSAI 10.006)/Any Validated Method	
		<b>Volatile Oil</b>	FSSAI Manual of Methods of Analysis of Foods - Spices, Herbs and Condiment (FSSAI 10.013)/Any Validated Method	
38.	<b>**Dried Mango</b> CIL/PT-26F/DMNGO	<b>Acid Insoluble Ash</b>	FSSAI Manual of Methods of Analysis of Foods - Spices, Herbs and Condiment (FSSAI 10.007) /Any validated Method	<b>Complimentary</b>
		<b>Crude Fiber</b>	FSSAI Manual of Methods of Analysis of Foods - Spices, Herbs and Condiment (FSSAI 10.014) /Any validated Method	
		<b>Moisture</b>	FSSAI Manual of Methods of Analysis of Foods - Spices, Herbs and Condiment (FSSAI 10.003) /Any validated Method	
		<b>Total Ash</b>	FSSAI Manual of Methods of Analysis of Foods - Spices, Herbs and Condiment (FSSAI 10.006) /Any validated Method	
		<b>Volatile Oil</b>	FSSAI Manual of Methods of Analysis of Foods - Spices, Herbs and Condiment (FSSAI 10.013) /Any validated Method	



FOR PT ENQUIRY:

pt@cimec.in

+91-9599383142

FOR ANY OTHER

ENQUIRY:

info@cimec.co.in

S.NO	NAME OF PT ITEM & PT SCHEME NO.	TEST PARAMETER	TEST METHOD SUGGESTED	PT FEE (INR)
39.	<b>**Ginger Garlic Paste</b> CIL/PT-26F/GGPST	<b>Acid Insoluble Ash</b>	FSSAI Manual of Methods of Analysis of Foods - Spices, Herbs and Condiment (FSSAI 10.007)/Any Validated Method	<b>Complimentary</b>
		<b>Crude Fiber</b>	FSSAI Manual of Methods of Analysis of Foods - Spices, Herbs and Condiment (FSSAI 10.014)/Any Validated Method	
		<b>Moisture</b>	FSSAI Manual of Methods of Analysis of Foods - Spices, Herbs and Condiment (FSSAI 10.003)/Any Validated Method	
		<b>Total Ash</b>	FSSAI Manual of Methods of Analysis of Foods - Spices, Herbs and Condiment (FSSAI 10.006)/Any Validated Method	
		<b>Volatile Oil</b>	FSSAI Manual of Methods of Analysis of Foods - Spices, Herbs and Condiment (FSSAI 10.013)/Any Validated Method	
40.	<b>**Cloves</b> CIL/PT-26F/CLVS	<b>Acid Insoluble Ash</b>	FSSAI Manual of Methods of Analysis of Foods - Spices, Herbs and Condiment (FSSAI 10.007) /Any validated Method	<b>Complimentary</b>
		<b>Crude Fiber</b>	FSSAI Manual of Methods of Analysis of Foods - Spices, Herbs and Condiment (FSSAI 10.014) /Any validated Method	
		<b>Moisture</b>	FSSAI Manual of Methods of Analysis of Foods - Spices, Herbs and Condiment (FSSAI 10.003) /Any validated Method	
		<b>Total Ash</b>	FSSAI Manual of Methods of Analysis of Foods - Spices, Herbs and Condiment (FSSAI 10.006) /Any validated Method	
		<b>Volatile Oil</b>	FSSAI Manual of Methods of Analysis of Foods - Spices, Herbs and Condiment (FSSAI 10.013) /Any validated Method	
41.	<b>**Turmeric</b> CIL/PT-26F/TMRC	<b>Colourings Power Expresses as Curcuminoid Content (On Dry Basis)</b>	FSSAI Manual of Methods of Analysis of Foods - Spices, Herbs and Condiment (FSSAI 10.031) /Any Validated Method	<b>Complimentary</b>
		<b>Total Starch</b>	FSSAI Manual of Methods of Analysis of Foods - Spices, Herbs and Condiment (FSSAI 10.032) /Any Validated Method	
42.	<b>**Dried Milk Powder</b> CIL/PT-26F/DRPR	<b>Milk Fat</b>	FSSAI Manual of Methods of Analysis of Foods - Dairy and Dairy Products (FSSAI 01.057) /Any Validated Method	<b>Complimentary</b>
		<b>Titratable Acidity (as Lactic Acid)</b>	FSSAI Manual of Methods of Analysis of Foods - Dairy and Dairy Products (FSSAI 01.059) /Any Validated Method	
		<b>Total Ash</b>	FSSAI Manual of Methods of Analysis of Foods - Dairy and Dairy Products (FSSAI 01.064) /Any Validated Method	

Continued..

## Food & Agriculture Products

S.NO	NAME OF PT ITEM & PT SCHEME NO.	TEST PARAMETER	TEST METHOD SUGGESTED	PT FEE (INR)
43.	<b>**Black Pepper</b> CIL/PT-26F/BPER	<b>Crude Fiber</b>	FSSAI Manual of Methods of Analysis of Foods - Spices, Herbs and Condiment (FSSAI10.014) /Any Validated Method	<b>Complimentary</b>
		<b>Moisture</b>	FSSAI Manual of Methods of Analysis of Foods - Spices, Herbs and Condiment (FSSAI 10.003) /Any validated Method	
		<b>Non-Volatile Ether Extract</b>	FSSAI Manual of Methods of Analysis of Foods - Spices, Herbs and Condiment (FSSAI 10.012) /Any validated Method	
		<b>Total Ash</b>	FSSAI Manual of Methods of Analysis of Foods - Spices, Herbs and Condiment (FSSAI 10.006) /Any validated Method	
		<b>Volatile Oil</b>	FSSAI Manual of Methods of Analysis of Foods - Spices, Herbs and Condiment (FSSAI 10.013) /Any validated Method	
		<b>Acid Insoluble Ash</b>	FSSAI Manual of Methods of Analysis of Foods - Spices, Herbs and Condiment (FSSAI 10.007) /Any validated Method	
44.	<b>**Chili Powder</b> CIL/PT-26F/CPDR	<b>Acid Insoluble Ash</b>	FSSAI Manual of Methods of Analysis of Foods - Spices, Herbs and Condiment (FSSAI 10.007) /Any validated Method	<b>Complimentary</b>
		<b>Crude Fiber</b>	FSSAI Manual of Methods of Analysis of Foods - Spices, Herbs and Condiment (FSSAI 10.014) /Any validated Method	
		<b>Moisture</b>	FSSAI Manual of Methods of Analysis of Foods - Spices, Herbs and Condiment (FSSAI 10.003) /Any validated Method	
		<b>Non-Volatile Ether Extract</b>	FSSAI Manual of Methods of Analysis of Foods - Spices, Herbs and Condiment (FSSAI 10.012) /Any validated Method	
		<b>Total Ash</b>	FSSAI Manual of Methods of Analysis of Foods - Spices, Herbs and Condiment (FSSAI 10.006) /Any validated Method	
		<b>Volatile Oil</b>	FSSAI Manual of Methods of Analysis of Foods - Spices, Herbs and Condiment (FSSAI 10.013) /Any validated Method	
45.	<b>**Pulses</b> CIL/PT-26F/PLSS	<b>Moisture</b>	FSSAI Manual of Methods of Analysis of Foods - Cereal and Cereal Products (FSSAI 03.006)/Any Validated Method	<b>Complimentary</b>
		<b>Total Ash</b>	FSSAI Manual of Methods of Analysis of Foods - Cereal and Cereal Products (FSSAI 03.029)/Any Validated Method	
		<b>Total Fat</b>	AOAC 922.06/Any Validated method	
		<b>Total Protein</b>	IS 7219/Any Validated method	



FOR PT ENQUIRY:

pt@cimec.in

+91-9599383142

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info@cimec.co.in

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## Food & Agriculture Products

S.NO	NAME OF PT ITEM & PT SCHEME NO.	TEST PARAMETER	TEST METHOD SUGGESTED	PT FEE (INR)
46.	<b>**Vegetable Oil</b> CIL/PT-26F/VG.OIL	<b>Acid Value</b>	FSSAI Manual of Methods of Analysis of Foods - Oils and Fats (FSSAI 02.009) / Any Validated Method	<b>Complimentary</b>
		<b>Bellier Test (Turbidity Temperature- Acetic Acid Method)</b>	FSSAI Manual of Methods of Analysis of Foods - Oils and Fats (FSSAI 02.012) / Any Validated Method	
		<b>Cloud Point</b>	FSSAI Manual of Methods of Analysis of Foods - Oils and Fats (FSSAI 02.015) / Any Validated Method	
		<b>Iodine Value</b>	FSSAI Manual of Methods of Analysis of Foods - Oils and Fats (FSSAI 02.010) / Any Validated Method	
		<b>Moisture</b>	FSSAI Manual of Methods of Analysis of Foods - Oils and Fats (FSSAI 02.001) / Any Validated Method	
		<b>Saponification Value</b>	FSSAI Manual of Methods of Analysis of Foods - Oils and Fats (FSSAI 02.007) / Any Validated Method	
		<b>Unsaponifiable Matter</b>	FSSAI Manual of Methods of Analysis of Foods - Oils and Fats (FSSAI 02.008) / Any Validated Method	



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2. Registrations are accepted on a first-come, first-served basis.
3. For participation in PT Schemes, the registration form duly filled and signed to be sent on E-mail ID: pt@cimec.in along with Participation Fee.
4. For any queries please Contact : Mr. Prafful Singh Rana (Asst. Manager( PT))+91-9599383142.
5. Bank details have been given below as well as in the Registration Form.
6. Complementary offers is valid for **First Six Registrations**.
7. **18% GST extra applicable as per Govt. Rules.**
8. **\*\* PT Item or test Parameters are not Covered in NABL scope of Accreditation.**

Bank Detail for payment through  
RTGS/NEFT/Cheque.

Account Name: CIMEC Infralabs Pvt. Ltd.  
PAN: AAFCC3853K  
GST No.: 09AAFCC3853K1ZD

Bank Name : HDFC Bank Limited  
Branch : Sect-15, Vasundhara,  
Ghaziabad (UP)  
Account No. : 50200002408074  
IFCS Code: HDFC 0000563



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pt@cimec.in  
+91-9599383142

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A background image of a construction site with several yellow tower cranes against a clear blue sky. In the foreground, there are several white pipes lying horizontally on a wooden surface. A yellow hard hat is prominently placed in the lower center, and a white hard hat is partially visible to its right.

# Discipline: *Mechanical*

Continued..

S.NO	NAME OF PT ITEM & PT SCHEME NO.	TEST PARAMETER	TEST METHOD SUGGESTED	PT FEE (INR)
47.	Autoclaved Cellular Concrete Blocks CIL/PT-26M/ACCB	Dimensions	IS 2185 (Pt-3) /Any validated method	15000/-
		Block Density (Oven Dry Condition)	IS 6441 (Pt-1) /Any validated method	
		Compressive Strength	IS 6441 (Pt-5) /Any validated method	
		Moisture Content	IS 6441 (Pt-1) /Any validated method	
		Drying Shrinkage	IS 6441 (Pt-2) /Any validated method	
		**Thermal Conductivity	IS 3346 /Any Validated Method	
48.	Fly Ash CIL/PT-26M/FA	Fineness by Blaine's Air Permeability Method	IS 1727/Any validated method	12000/-
		Lime Reactivity		
		Soundness (by Autoclave)		
		Particle Size retained on 45 micron IS Sieve(Wet Sieving)		
		Compressive Strength		
		Specific Gravity		
49.	Soil CIL/PT-26M/SOIL	Specific Gravity	IS 2720 (Pt-3) /Any validated method	15000/-
		Grain Size analysis (Dry Sieving)	IS 2720 (Pt-4) /Any validated method	
		Grain Size analysis (Wet Sieving)	IS 2720 (Pt-4) /Any validated method	
		Moisture Content	IS 2720 (Pt-2) /Any validated method	
		Plastic Limit	IS 2720 (Pt-5) /Any validated method	
		Liquid Limit	IS 2720 (Pt-5) /Any validated method	
		Shrinkage Limit	IS 2720 (Pt-6) /Any validated method	
		Direct Shear Test	IS 2720 (Pt-13) /Any validated method	
		Free Swell Index	IS 2720 (Pt-40) /Any validated method	
		CBR Value	IS 2720 (Pt-16) /Any validated method	
		Light Compaction Test (MDD)	IS 2720 (Pt-7) /Any validated method	
		Light Compaction Test (OMC)	IS 2720 (Pt-7) /Any validated method	
50.	Cement CIL/PT-26M/CEM	Setting Time (Initial)	IS 4031(Pt-5) /Any validated method	10000/-
		Fineness by Dry Sieving , 90 Microns	IS 4031(Pt-1) /Any validated method	
		Fineness by Wet Sieving , 45 Microns	IS 4031(Pt-15) /Any validated method	
		Setting Time (Final)	IS 4031(Pt-5) /Any validated method	
		Soundness (Le-Chat. Moulds)	IS 4031(Pt-3) /Any validated method	
		Soundness (Autoclave)	IS 4031(Pt-3) /Any validated method	
		Compressive strength (72±2 hrs)	IS 4031(Pt-6) /Any validated method	
		Fineness by Blaine Air Permeability Method	IS 4031 (Pt-2) /Any validated method	
		Consistency	IS 4031 (Pt-4) /Any validated method	
		Density	IS 4031 (Pt-11) /Any validated method	
Drying Shrinkage	IS 4031 (Pt-10) /Any validated method			

Continued..

## Building Infrastructure & Construction Materials

S.NO	NAME OF PT ITEM & PT SCHEME NO.	TEST PARAMETER	TEST METHOD SUGGESTED	PT FEE (INR)
51.	Bituminous Concrete CIL/PT-26M/BC	Binder Content (Bitumen)	ASTM D 2172/Any validated method	12000/-
		Stability	ASTM D 6927/Any validated method	
		Flow		
		**Indirect Tensile Strength	ASTM D 6931/Any validated method	
52.	Paver Block CIL/PT-26M/PB	Compressive Strength	IS 15658/Any validated method	12000/-
		Water Absorption		
53.	Hardened Concrete (Cubes, Size -150x150x150 mm) CIL/PT-26M/CONC.CS	Compressive Strength (Conc. Cubes)	IS 516 (Pt-1/Sec-1) / Any validated method	12000/-
		**Density(as Received)	BS 1881 (Pt-114) /Any Validated Method	
54.	Pressed Ceramic Tiles CIL/PT-26M/TILE	Breaking Strength	IS 13630 (Pt-6) /Any validated method	12000/-
		Thickness	IS 13630 (Pt-1)/Any Validated Method	
		Length		
		Width		
		Water Absorption	IS 13630 (Pt-2)/Any Validated Method	
		Scratch Hardness(Surface)	IS 13630 (Pt-1)/Any Validated Method	
		Modulus of Rupture	IS 13630 (Pt-6)/Any Validated Method	
55.	**Mechanical Testing of UPVC Pipe CIL/PT-26M/UPVCP	Mean Outside Diameter	IS 12235 (Pt-1)/ Any Validated Method	Complimentary
		Wall Thickness, mm		
		Density	IS 12235 (Pt-14)/ Any Validated Method	
		Tensile Strength	IS 12235 (Pt-13)/ Any Validated Method	
		Opacity	IS 12235 (Pt-3)/ Any Validated Method	
		Axial Shrinkage Test	Annex-B,IS 13592/Any Validated Method	
		Vicat Softening	IS 12235 (Pt-2)/ Any Validated Method	
56.	RCPT of Hardened Concrete CIL/PT-26M/RCPT	Hardened Concrete- Rapid Chloride Penetration Test (RCPT)	ASTM C1202/Any validated method	12000/-
57.	Bricks CIL/PT-26M/BRICK	Water Absorption	IS 3495 (Pt-2) /Any validated method	12000/-
		Compressive Strength	IS 3495(Pt-1)/Any validated method	
		Dimensions	IS 1077/ IS 12894 /Any Validated Method	

FOR PT ENQUIRY:

pt@cimec.in

+91-9599383142

FOR ANY OTHER

ENQUIRY:

info@cimec.co.in

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S.NO	NAME OF PT ITEM & PT SCHEME NO.	TEST PARAMETER	TEST METHOD SUGGESTED	PT FEE (INR)
58.	Bentonite CIL/PT-26CM/BTNT	Moisture Content	IS 6186/Any validated method	7000/-
		Sand content		
		Swelling Power		
		pH value		
		Loss on Ignition		
		Fineness (Dry Sieving)		
		Fineness (Wet Sieving)		
59.	Coarse Aggregate CIL/PT-26M/C.AGG	Specific Gravity	IS 2386(Pt-3) /Any validated method	15000/-
		Water Absorption	IS 2386(Pt-3) /Any validated method	
		Sieve Analysis	IS 2386(Pt-1) /Any validated method	
		Stripping Value	IS 6241 /Any validated method	
		Deleterious Materials	IS 2386(Pt-1&2) /Any validated method	
		Crushing Value	IS 2386(Pt-4) /Any validated method	
		Soundness	IS 2386(Pt-5) /Any validated method	
		10% Fine Value	IS 2386(Pt-4) /Any validated method	
		Flakiness Index	IS 2386(Pt-1) /Any validated method	
		Elongation Index	IS 2386(Pt-1) /Any validated method	
		Los Angles Abrasion Value	IS 2386(Pt-4) /Any validated method	
60.	Fine Aggregate CIL/PT-26M/F.AGG	Sieve Analysis	IS 2386(Pt-1) /Any validated method	10000/-
		Bulk Density	IS 2386(Pt-3) /Any validated method	
		Specific Gravity	IS 2386(Pt-3) /Any validated method	
		Water Absorption	IS 2386(Pt-3) /Any validated method	
		Deleterious Materials	IS 2386(Pt-1&2) /Any validated method	
		Soundness	IS 2386(Pt-5) /Any validated method	
61.	**Mechanical Testing of HDPE Pipe CIL/PT-26M/HDPEP	Mean Outside Diameter	IS 4984/Any Validated Method	5000/-
		Out of Roundness (Ovality)		
		Wall Thickness		
		Density	ASTM D792/Any Validated Method	
		Tensile Strength	Annex-H,IS 4984/Any Validated Method	
		Elongation at Break		
		Longitudinal Reversion Test	Annex-F,IS 4984/Any Validated Method	
		Carbon Black Content	ASTM D1603 /Any Validated Method	
Overall Migration	IS 9845 /Any Validated Method			

Continued..

S.NO	NAME OF PT ITEM & PT SCHEME NO.	TEST PARAMETER	TEST METHOD SUGGESTED	PT FEE (INR)
62.	Bitumen CIL/PT-26M/BTMN	Flash Point	IS 1209/Any validated method	10000/-
		Kinematic Viscosity	IS 1206 (Pt-3)/Any validated method	
		Penetration Test	IS 1203/Any validated method	
		Softening Point	IS 1205/Any validated method	
		Solubility in Trichloroethylene	IS 1216/Any validated method	
		Ductility	IS 1208 (Pt-1)/Any validated method	
		Absolute Viscosity	IS 1206 (Pt-2)/ Any validated method	
		Specific Gravity	IS 1202/ Any validated method	
		Elastic Recovery	IS 15462/ Any Validated Method	
63.	Hardened Concrete CIL/PT-26M/CONC.WP	Water Permeability	DIN 1048 (Pt-5) / Any validated method	10000/-
64.	Hardened Concrete CIL/PT-26M/CONC.FS	Flexural Strength Test	IS 516 (Pt-1/Sec-1) / Any validated method	10000/-
65.	Hardened Concrete CIL/PT-26M/CONC.ST	Split Tensile Test	IS 516 (Pt-1/Sec-1) / Any validated method	10000/-
66.	Stress Relieved Strands for Pre-stressed Concrete CIL/PT-26M/STRAND	0.2 % Proof Load	IS 1608 (Pt-1) /Any validated method	10000/-
		Max. Breaking Load		
		Tensile Strength		
		Elongation		
		Diameter	IS 14268/Any validated method	
		Mass Per Meter	Annex-B, IS 14268/ Any validated method	
		Nominal Cross Sectional Area		
67.	Stone CIL/PT-26M/STONE	True Specific Gravity	IS 1122/Any validated method	10000/-
		Apparent Specific Gravity	IS 1124/Any validated method	
		True Porosity	IS 1124/Any validated method	
		Apparent Porosity		
		Water Absorption		
		Durability	IS 1126/Any validated method	
		Uniaxial Compressive Strength	IS 1121/ Any Validated Method	
68.	**Mechanical Testing of CPVC Pipe CIL/PT-26M/CPVCP	Mean Outside Diameter	IS 12235 (Pt-1)/ Any Validated Method	Complimentary
		Wall Thickness	IS 12235 (Pt-1)/ Any Validated Method	
		Density	IS 12235 (Pt-14)/ Any Validated Method	
		Tensile Strength	IS 12235 (Pt-13)/ Any Validated Method	
		Opacity	IS 12235 (Pt-3)/ Any Validated Method	
		Reversion Test	IS 12235 (Pt-5/Sec-1&2)/Any Validated Method	
		Vicat Softening	IS 12235 (Pt-2)/ Any Validated Method	

FOR PT ENQUIRY:

pt@cimec.in

+91-9599383142

FOR ANY OTHER

ENQUIRY:

info@cimec.co.in

## Group | Mechanical 02 | Properties Of Metal

S.NO	NAME OF PT ITEM & PT SCHEME NO.	TEST PARAMETER	TEST METHOD SUGGESTED	PT FEE (INR)
69.	Hardness (HBW) CIL/PT-26M/HBW	Brinell Hardness (HBW)	IS 1500(Pt-1)/Any validated method	3500/-
70.	Hardness (HRC) CIL/PT-26M/HRC	Rockwell Hardness (HRC)	IS 1586 (Pt-1)/Any validated method	3500/-
71.	Hardness CIL/PT-26M/HRB	Rockwell Hardness (HRB)	IS 1586 (Pt-1)/Any validated method	3500/-
72.	Hardness CIL/PT-26M/HV	Vickers Hardness (HV)	IS 1501 (Pt-1) /Any validated method	3500/-
73.	**Impact test on Ferrous Metal CIL/PT-26M/IMPACT	Impact Value (Charpy)	IS 1757 (Pt-1)/ Any validated method	Complimentary
74.	Tensile Properties Of Metal (MS Round) CIL/PT- 26M/MS.ROUND	Tensile Strength	IS 1608 (Pt-1)/Any validated method	10000/-
		Yield Strength		
		Elongation		
		Reduction Area		

## Group | Non-Destructive 03 | Test (NDT)

75.	NDT CIL/PT-26M/NDT	Rebound Hammer	IS 516 (Part-5) Sec-4/ Any validated method	5000/-
		Ultrasonic Pulse Velocity	IS 516 (Part-5) Sec-1/ Any validated method	

## Group 04 | Metal & Alloys (Ferrous & Non-Ferrous)

Continued..

S.NO	NAME OF PT ITEM & PT SCHEME NO.	Test Parameter	Test Method Suggested	PT Fee (INR)
76.	**Aluminium Tube CIL/PT-26M/NFMTL	Outer Diameter	IS 2673)/Any validated method	Complimentary
		Wall Thickness		
		Tensile Strength	IS 1608 (Pt-1)/Any validated method	
		0.2 % Proof Stress		
		% Elongation at break		
77.	Mechanical Testing of Structural Steel (Tube) CIL/PT-26M/STUBE	**Outside Diameter	IS 1239 (Pt-1)/Any Validated Method	10000/-
		**Wall Thickness		
		Mass per meter run		
		Yield Stress	IS 1608 (Pt-1)/Any Validated Method	
		Tensile Strength		
		Elongation at Break		
78.	HSD Steel Bar (TMT) CIL/PT-26M/TMT	Mass per meter length	IS 1786/Any validated method	10000/-
		Ultimate Tensile Strength	IS 1608 (Pt-1)/Any validated method	
		Upper Yield Strength		
		Elongation		

## Group 05 | Surface Coating on Metal

79.	**Nickel Plating Thickness test on Non- Ferrous Metal CIL/PT-26M/NIPLT	Nickel Plating Thickness Test, micron	IS 3203/Any validated method	Complimentary
80.	**Chrome Plating Thickness test on Non- Ferrous Metal CIL/PT-26M/CRPLT	Chrome Plating Thickness Test, micron	IS 3203/Any validated method	Complimentary
81.	**Phosphate Coating Thickness test on Non- Ferrous Metal CIL/PT-26M/PHCOT	Phosphate Coating Thickness Test, micron	IS 3618/Any validated method	Complimentary
82.	**Anodic Coating Thickness test on Non- Ferrous Metal CIL/PT-26M/ANCOT	Anodic Coating Thickness Test, micron	IS 5523/Any validated method	Complimentary
83.	Zinc Coating CIL/PT-26M/ZNCOT	Mass of Zinc coating	IS 6745/Any Validated Method	6000/-
84.	**Tin Coating Thickness test on Non- Ferrous Metal CIL/PT-26M/TNCOT	Tin Coating Thickness Test, micron	IS 1327/Any validated method	Complimentary

Continued..

85.	<b>**Mechanical Testing of Plywood CIL/PT-26M/PLYWD(A)</b>	<b>Thickness</b>	IS 303/ Any validated method	<b>Complimentary</b>
		<b>Moisture Content</b>	IS 1734 (Pt-1)/Any validated method	
		<b>Modulus of Rupture (MOR)</b>	IS 1734(Pt-11)/Any validated method	
		<b>Modulus of Elasticity (MOE)</b>		
		<b>Glue Shear Strength</b>	IS 1734 (Pt-4)/Any validated method	
<b>Tensile Strength-Parallel to Grain Direction</b>	IS 1734 (Pt-9)/ Any validated method			
86.	<b>**Mechanical Testing of Plywood CIL/PT-26M/PLYWD(B)</b>	<b>Flame Penetration Test</b>	IS 1734 (Pt-3)/ Any validated method	<b>Complimentary</b>
		<b>Flammability Test</b>		
		<b>Rate of Burning</b>		
87.	<b>**Mechanical Testing of Medium density Fiber (MDF) Board CIL/PT-26M/MDFBRD</b>	<b>Thickness</b>	IS 2380 (Pt-2)/ Any validated method	<b>Complimentary</b>
		<b>Moisture Content</b>	IS 2380 (Pt-3)/Any validated method	
		<b>Density</b>		
		<b>Modulus of Rupture (MOR)</b>	IS 2380 (Pt-4)/Any validated method	
		<b>Modulus of Elasticity (MOE)</b>		
		<b>Internal Bond Strength</b>	IS 2380 (Pt-5)/Any validated method	
		<b>Screw Withdrawal Strength Test</b>	IS 2380 (Pt-14)/Any Validated Method	
<b>Linear Expansion</b>	IS 2380 (Pt-17)/Any Validated Method			
88.	<b>**Mechanical Testing of Block Board CIL/PT-26M/BLKBRD</b>	<b>Thickness</b>	IS 1659/ Any Validated Method	<b>Complimentary</b>
		<b>Modulus of Rupture (MOR)</b>	Annex-K, IS 1659 /Any Validated Method	
		<b>Modulus of Elasticity(MOE)</b>	Annex-K, IS 1659 /Any Validated Method	
		<b>Dimensional change caused by Humidity (Length)</b>	Annex-F, IS 1659 /Any Validated Method	
		<b>Dimensional change caused by Humidity (Thickness)</b>	Annex-F, IS 1659 /Any Validated Method	



Continued..

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PAN: AAFCC3853K  
GST No.: 09AAFCC3853K1ZD

Bank Name : HDFC Bank Limited  
Branch : Sect-15, Vasundhara,  
Ghaziabad (UP)  
Account No. : 50200002408074IFCS  
IFSC Code: HDFC 0000563



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179/13, ANAND INDUSTRIAL ESTATE,  
MOHAN NAGAR (201007), GHAZIABAD  
UTTAR PRADESH - INDIA

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**FOR PT ENQUIRY:**  
pt@cimec.in  
**+91-9599383142**

**FOR ANY OTHER  
ENQUIRY:**  
info@cimec.co.in



**Discipline:**  
*Electrical*

Continued..

S.NO	NAME OF PT ITEM & PT SCHEME NO.	TEST PARAMETER	TEST METHOD SUGGESTED	PT FEE (INR)
89.	Single Core Cable CIL/PT-26E/CABLE	Overall diameter	IS 694/Any validated method	18000/-
		Avg. Thickness of Insulation	IS 10810(Pt-6) /Any validated method	
		Conductor Resistance	IS 10810(Pt-5) /Any validated method	
		Insulation Resistance Constant (at 27°C Temp.)	IS 10810(Pt-43) /Any validated method	
		Volume resistivity (at 27°C Temp.)	IS 10810(Pt-43) /Any validated method	
		Shrinkage Test	IS 10810(Pt-12) /Any validated method	
		Flammability Test (Unaffected Length)	IS 10810(Pt-53) /Any validated method	
		Flammability (Period of Burning)	IS 10810(Pt-53) /Any validated method	
90.	PVC Insulation CIL/PT-26E/PVC(INS)	Thickness (Avg.)	IS 10810(Pt-6) /Any validated method	18000/-
		Hot Deformation	IS 10810(Pt-15) /Any validated method	
		Loss of mass Test	IS 10810(Pt-10) /Any validated method	
		Tensile Strength	IS 10810 (Pt-7) /Any validated method	
		% Elongation at break	IS 10810 (Pt-7) /Any validated method	
		Shrinkage Test	IS 10810(Pt-12) /Any validated method	
		Flammability Test (Unaffected Length)	IS 10810(Pt-53) /Any validated method	
		Flammability (Period of Burning)	IS 10810(Pt-53) /Any validated method	
		Thermal Stability	IS 10810 (Pt-60) /Any validated method	
91.	PVC Sheath CIL/PT-26E/SHEATH	Tensile Strength	IS 10810(Pt-7) / Any validated method	20000/-
		% Elongation at break	IS 10810(Pt-7) / Any validated method	
		Shrinkage Test	IS 10810(Pt-12)/ Any validated method	
		Hot Deformation	IS 10810(Pt-15) / Any validated method	
		Loss of Mass	IS 10810(Pt-10) / Any validated method	
		Ageing in Air Oven (% change in Tensile Strength)	IS 10810(Pt-11) / Any validated method	
		Ageing in Air Oven (% change in Elongation)	IS 10810(Pt-11) / Any validated method	
		Thermal Stability	IS 10810(Pt-60) / Any validated method	



Continued..

## Cables &amp; Wires

S.NO	NAME OF PT ITEM & PT SCHEME NO.	TEST PARAMETER	TEST METHOD SUGGESTED	PT FEE (INR)
92.	PVC Insulation CIL/PT-26E/FRLSH	Oxygen Index	IS 10810(Pt-58) /Any validated method	20000/-
		Temperature Index	IS 10810(Pt-64) /Any validated method	
		Halogen Acid Gas Evolution	IS 10810(Pt-59) /Any validated method	
		Smoke density	ASTM D 2843/IS: 13360 (Pt-6) (Sec-9) /Any validated method	
93.	Coaxial Cables CIL/PT-26E/COXC	Conductor Resistance	IS/IEC 61196-1-101/Any validated method	15000/-
		Dimensional Stability	IS 5026/Any validated method	
		Eccentricity		
		Flammability Test (Burning Period)		
		Flammability Test (Unaffected length)		
		Measurement of Diameter		
94.	Armour Wire/Strip CIL/PT-26E/ARMR	Dimension	IS 10810(Pt-36) / Any validated method	18000/-
		Tensile strength	IS 10810(Pt-37) / Any validated method	
		Elongation	IS 10810(Pt-37) / Any validated method	
		Resistivity Test	IS10810(Pt-42) / Any validated method	
		Mass of Zinc Coating	IS10810(Pt-41) / Any validated method	
		Torsion Test ( G.I wire)	IS10810(Pt-38) / Any validated method	
95.	XLPE Insulation CIL/PT-26E/XLPE	Thickness (Avg.)	IS 10810(Pt-6) / Any validated method	18000/-
		Hot Set Test (Elongation) under load	IS 10810(Pt-30) /Any validated method	
		Hot Set Test (Permanent Set)	IS 10810(Pt-30) / Any validated method	
		Water Absorption (Gravimetric)	IS 10810(Pt-33) / Any validated method	
		Tensile Strength	IS 10810(Pt-7) / Any validated method	
		Elongation at break	IS 10810(Pt-7) /Any validated method	
		Shrinkage Test	IS 10810(Pt-12) /Any validated method	
Carbon Black Content	ASTM D 1603/Any validated method			

S.NO	NAME OF PT ITEM & PT SCHEME NO.	TEST PARAMETER	TEST METHOD SUGGESTED	PT FEE (INR)
96.	Sheathed Cables (Circular Cable) CIL/PT-26E/CC	Overall Diameter	IS 694: 2010/ Any validated method	20000/-
		Ovality	IS 694: 2010/ Any validated method	
		Avg. Thickness of Insulation	IS 10810(Pt-6): / Any validated method	
		Conductor Resistance	IS 10810(Pt-5): / Any validated method	
		Avg. Thickness of Sheath	IS 10810(Pt-6): / Any validated method	
		Flammability Test (Burning Period)	IS 10810(Pt-53): / Any validated method	
		Flammability Test (Unaffected Length)	IS 10810(Pt-53): / Any validated method	
		Volume resistivity (at 27°C Temp.)	IS 10810(Pt-43): / Any validated method	
		Insulation Resistance constant (at 27°C Temp.)	IS 10810(Pt-43): / Any validated method	

### Group 02 | Wiring Accessories

97.	Rigid Plain Conduits of Insulating Material CIL/PT-26E/CONDUIT	Inside Diameter (mm) – Socket End	IS 9537 (Pt-3)/ Any Validated Method	15000/-
		Outer Diameter (mm) – Socket End	IS 9537 (Pt-3)/ Any Validated Method	
		Length (mm) – Socket End	IS 9537 (Pt-3)/ Any Validated Method	
		Outside Diameter (mm)-Pipe	IS 9537 (Pt-3)/ Any Validated Method	
		Inside Diameter (mm) - Pipe	IS 9537 (Pt-3)/ Any Validated Method	
		Uniformity of Wall thickness (mm) - Pipe	IS 9537 (Pt-3)/ Any Validated Method	
		Compression Test (Under Load- %)	IS 9537 (Pt-3)/ IS 9537(Pt-1)/ Any Validated Method	
		Compression Test (After removal of Load-%)	IS 9537 (Pt-3)/ IS 9537(Pt-1)/ Any Validated Method	
		Resistance to Heat (mm)	IS 9537 (Pt-3)/ Any Validated Method	
		Insulation Resistance (mega ohm)	IS 9537 (Pt-3)/ IS 9537(Pt-1)/ Any Validated Method	

Continued..

## Wiring Accessories

S.NO	NAME OF PT ITEM & PT SCHEME NO.	TEST PARAMETER	TEST METHOD SUGGESTED	PT FEE (INR)
98.	Fittings for Rigid Non-Metallic Conduits CIL/PT-26E/CON.FIT	Dimensions	CL.6.2,IS 3419-1988/ Any Validated Method	15000/-
		Resistance to Heat	CL.10,IS 3419-1988/ Any Validated Method	
		Resistance to Burning	CL.11,IS 3419-1988/ Any Validated Method	
		**Moisture Absorption Test	CL.12,IS 3419-1988/ Any Validated Method	
		**Resistance to Oil-Change in dimensions	CL.15,IS 3419-1988/ Any Validated Method	
		Insulation Resistance	CL.17.3,IS 3419-1988/ Any Validated Method	

## Group 03 } Conductor & Conducting Materials

99.	Copper Conductor for Electric Cable CIL/PT-26E/CUCD	Wire Diameter	IS 8130/Any validated method	12000/-
		Annealing Test	IS 10810(Pt-1) / Any validated method	
		Resistance Test	IS10810(Pt-5) / Any validated method	
100.	** Enameled Wires for Electric conductors CIL/PT-26E/EW	Wire diameter	IS 13730(Pt-0/Sec-1) / Any validated method	15000/-
		Overall diameter	IS 13730(Pt-0/Sec-1) / Any validated method	
		Electrical Resistance	IS 13730(Pt-0/Sec-3) / Any validated method	
		Elongation	IS 13730(Pt-0/Sec-3) / Any validated method	
101.	Aluminium Conductor for Electric Cable CIL/PT-26E/ALCD	Wire Diameter	IS 8130/Any validated method	12000/-
		Tensile strength	IS 10810(Pt-2) / Any validated method	
		Resistance Test	IS10810(Pt-5) / Any validated method	
		Elongation	IS 10810(Pt-1) / Any validated method	

Continued..

## Conductor & Conducting Materials

S.NO	NAME OF PT ITEM & PT SCHEME NO.	TEST PARAMETER	TEST METHOD SUGGESTED	PT FEE (INR)
102.	Aluminium Conductor for Overhead Power Transmission CIL/PT-26E/398(I)	<b>Test on Aluminium Conductors</b>		<b>18000/-</b>
		Al Wire diameter	IS 398(Pt-1)/ Any validated method	
		Resistance at (20 degree Celsius)	IS 398(Pt-1)/ Any validated method	
		Breaking Load (Al Wire) (After Stranding)	IS 398(Pt-1)/ Any validated method	
		<b>Tests on Stranded Conductor:</b>		
		Overall diameter	IS 398(Pt-1)/ Any validated method	
		Mass (Stranded Conductor)	IS 398(Pt-1)/ Any validated method	
		Calculated Resistance (at 20 °C Temp.)	IS 398(Pt-1)/ Any validated method	
		Calculated Breaking Load	IS 398(Pt-1)/ Any validated method	
		Lay Ratio	IS 398(Pt-1)/ Any validated method	
103.	Aluminium Conductor for Overhead Power Transmission CIL/PT-26E/398(II)	<b>Tests on Aluminium Wire:</b>		<b>18000/-</b>
		Al. Wire diameter	IS 398(Pt-2) / Any validated method	
		Resistance (at 20 °C Temp.)		
		Breaking Load (Al. Wire) (After Stranding)		
		<b>Tests on Stranded Conductor:</b>		
		Overall diameter	IS 398(Pt-2) / Any validated method	
		Mass (Stranded Conductor)		
		Calculated Resistance (at 20 °C Temp.)		
		Calculated Breaking Load		
		Lay Ratio		
		<b>Test on GI Wire:</b>		
		GI Wire diameter	IS 398(Pt-2) / Any validated method	
		Breaking Load		
		Elongation		
Galvanizing Test (Mass of Zn coating)				

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Continued..

S.NO	NAME OF PT ITEM & PT SCHEME NO.	TEST PARAMETER	TEST METHOD SUGGESTED	PT FEE (INR)	
104.	Aluminium Conductor for Overhead Power Transmission CIL/PT-26E/398(IV)	<b>Tests on Aluminium Wire:</b>		<b>18000/-</b>	
		Al. Wire diameter	IS 398(Pt-4) / Any validated method		
		Resistance (at 20 °C Temp.)			
		Breaking Load (Al. Wire) (After Stranding)			
		<b>Tests on Stranded Conductor:</b>			IS 398(Pt-4) / Any validated method
		Overall diameter			
		Mass (Stranded Conductor)			
		Calculated Resistance (at 20 °C Temp.)			
		Calculated Breaking Load			
					Lay Ratio
105.	Paper Covered Conductors for Electric conductors CIL/PT-26E/PCC	<b>Test on Aluminium Conductors</b>		<b>15000/-</b>	
		Wire diameter	IS 6162(Pt-1)/IS 8130/ Any validated method		
		Overall diameter	IS 6162(Pt-1) )/IS 10810 (Pt-2)/ Any validated method		
		Tensile Strength	IS 6162(Pt-1) )/IS 10810 (Pt-5)/ Any validated method		
		Resistance	IS 6162(Pt-1) )/IS 10810 (Pt-1) / Any validated method		
		Elongation	IS 6162(Pt-1) )/IS 10810 (Pt-1) / Any validated method		
		<b>**Test on Paper Covered Conductors</b>			
		Conductivity of water extract	IS 6162(Pt-1) /Any validated method		
		Ageing in Oil Test			
		pH Value of water extract			
		Oil Absorption Test			
Thickness of paper					



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