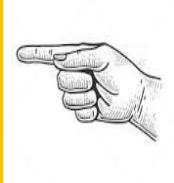


Proficiency Testing (PT) Programme Schedule 2021



Global PT Provider (P) Limited
F-89/22, Okhla Industrial Area,
Phase-I, New Delhi (India)
Pin-110020
Phone: 011-40722200
Mobile: 09873001545/9582999061
Email: care@globalptprovider.com
Website: www.globalptprovider.com



How to Apply:

Potential participant checks GPTP Schedule:
<http://https://globalptprovider.com/home/Downloads.aspx> for programs suitable for their scope of testing

Potential participant contacts GPTP at care@globalptprovider.com to notify GPTP of the programs in which they wish to participate

GPTP adds potential participant's details to list of laboratories to contact when a program is scheduled to commence

GPTP program coordinator sends all potential participants a letter inviting them to participate in a program and includes "Registration for Participation" form

Potential participant completes "Registration for Participation" form and returns it to GPTP program coordinator, preferably by email /hard copy

Potential participant becomes official participant in the GPTP program

GPTP sends proforma invoices for participation fee to all participants in the program.

GPTP sends intimation prior to dispatch of PT samples. The PT sample along with instructions and results sheets and sample receipt form to all participants in the program

Participant sends completed results sheet to GPTP program coordinator, preferably by email or hardcopy. GPTP coordinator analyses all of the participants' results

GPTP coordinator sends each participant a summary sheet, detailing their performance in the program and a final report, summarizing the performance of all the participants in the program, is sent through mail

The Criteria for Participation:

Any testing laboratory which is already accredited or preparing for obtaining accreditation or to check the performance of their test method

Confidentiality Arrangements:

All the information furnished by the participant laboratories shall be kept confidential. If the information is shared with regulatory or accredited bodies, concerned participant laboratory is informed of this action

Dear Participants,
Greetings from Global PT Provider (P) Limited, India!!!!!!

Thanks for your interest in PT Participation. We are here for fulfilling your requirement with Various PT Programmes on different matrixes. You may choose from here as per your requirement or email/call us for help. We will be happy to assist you. If any PT is not available as per your requirement please email us at qa@globalptprovider.com & we will revert on that & will try to give you the Solution for that.

S. No.	Matrix	Page No.
1.	Metal & Alloys	4
2.	Mechanical Properties of Metals	5-7
3.	Metallography	8
4.	Ore & Minerals	9
5.	Ferro-Alloys	10
6.	Building Materials	11-12
7.	Textiles	13-14
8.	NDT (Metal & Building Material)	15
9.	Coating & Corrosion Testing	16
10.	Polymer	17
11.	Water & Residues in Water	18-19
12.	Soil (Chemical)	20
13.	Hazardous Chemicals	21
14.	Coal & Coke	22
15.	Biologicals Testing	23
16.	Others	24
17.	Available Quality Control Materials	25-27

Contact No: Phone: 011-40722200, Mob: 9873001545, 9582999061

Email ID: care@globalptprovider.com; info@globalptprovider.com, Website: www.globalptprovider.com

Groupwise detail of Participation Charges

Group	Participation Fees (INR)
A	10000/- + 1000 as Packing and Forwarding Charges + GST 18%
B	12000/- + 1000 as Packing and Forwarding Charges + GST 18%
C	14000/- + 1000 as Packing and Forwarding Charges + GST 18%
D	15000/- + 1000 as Packing and Forwarding Charges + GST 18%
E	8000/- + 1000 as Packing and Forwarding Charges + GST 18%

India's First Accredited PT Provider in 4 Testing Discipline ie. Chemical, Mechanical, Biological & Non Destructive Testing

India's First Accredited PT Provider in Non Destructive Testing (Metal & Alloys)

Newly Added Scope:
Chemical Scope: Cast Iron, Nickel Alloy, Ferro Alloys, Leather, Rubber, Plastic & Polymer (including ROHS), Admixture, Paints & Enamels
Mechanical Scope: Aggregates, Bitumen, Rubber, Plastic & Polymers, Surface Roughness, Case Depth
Biological Scope: Water & Waste Water
Non Destructive Testing Scope: Metal & Alloys, Concrete

Contact us for Your Quality Partner or Customized PT as per Your requirements. Now your Quality Partner with best effective Cost. Send your queries to Know more.

Call us: +91-9873001545
Email: care@globalptprovider.com

Metal & Alloy

Metallography

Ore & Minerals

Water

Textile

Corrosion

Polymer

Soil

Building Materials

Toys

1
Chemical

Metals, Minerals, Ferro Alloys, Textile, Leather, Rubber, Polymer, Building Materials, Coal, Paints, Water, Waste Water, Metallic Coatings, Corrosion

2
Mechanical

Metals, Building Materials, Textile, Polymer, Rubber

3
Biological

Water & Waste Water

4
Non-Destructive

Building Material, Metal & Alloys



Metal & Alloys

PT Scheme Name	PT Scheme Code	Analysts	Test Method (Suggested)	Schedule	Price
Chemical Composition of Low Alloy Steel	PTM/LAS/02/21	C, Si, Mn, S, P, Cr, Ni, Mo, Cu, Co, V, Ti	ASTM E415/ IS 8811/IS 228/ ASTM E350/ ANY VALIDATED METHOD	Ongoing	A
Chemical Composition of Stainless Steel	PTM/SS/58/2021	C, Si, Mn, S, P, Ni, Mo, Cu, Cr, Co, Nb, V, Sn, N	ASTM E1086/IS-9879/Any Validated Method (OES)	Jul-21	A
Chemical Composition of Bronze	PTM/CA/33/2020	Cu, Mn, Pb, Fe, Al, Zn, Sn	BS EN 15079/ Any Validated Method (OES)	Aug-21	A
Chemical Composition of High Carbon High Chromium Steel	PTM/CHEM/44/19-20	C, Si, Mn, S, P, Cr, Ni, Mo, Cu, Co, Nb, V, W	Any Validated Method (OES)	Aug-21	A
Chemical Composition of Aluminium Alloy	PTM/ALA/20/2021	Si, Fe, Cu, Mn, Mg, Cr, Zn, Ti	ASTM E 1251 /IS 11035/ Any Validated Method	Aug-21	A
Chemical Composition of Lead Alloy	PTM/CHEM/31/18-19	Sn, Sb, As, Cd, Ag, Bi, Ca	Any Validated Method (OES)	Sep-21	D
Chemical Composition of Cupro Nickel	PTM/CN/84/2020	Fe, Ni, Cr, Mn, Cu, Al	Any Instrumental Method	Sep-21	B
Chemical Composition of Cast Iron	PTM/CI/28/2021	Cr, Cu, C, Si, Mn, P, S, Ni, Mo	ASTM E1999/Any Validated Method (OES)	Sep-21	A
Chemical Composition of Brass Alloy	PTM/BA/23/2021	Cu, Mn, Pb, Fe, Al, Zn, Sn	BS EN 15079/ Any Validated Method (OES)	Sep-21	A
Chemical Composition of Zinc Alloy	PTM/ZNA/60/2021	Al, Mg, Cu, Pb, Ni, Fe, Sn, Sb	Any Validated Method (OES)	Sep-21	A
Chemical Composition of Tool Steel	PTM/TOOL/59/2021	C, Si, Mn, S, P, Ni, Mo, Cr, V, Cu, Co, W	Any Validated Method (OES)	Sep-21	B
Chemical Composition of Low Alloy Steel	PTM/LAS/52/2021	C, Si, Mn, S, P, Cr, Ni, Mo, Cu, Co, V, Ti	ASTM E415/ IS 8811/IS 228/ ASTM E350/ ANY VALIDATED METHOD	Sep-21	A
Chemical Composition of Bronze	PTM/BA/26/2021	Cu, Mn, Pb, Fe, Al, Zn, Sn	BS EN 15079/ Any Validated Method (OES)	Oct-21	A
Chemical Composition of Aluminium Alloy	PTM/ALA/19/2021	Si, Fe, Cu, Mn, Mg, Cr, Zn, Ti	ASTM E 1251 /IS 11035/ Any Validated Method	Oct-21	A
Chemical Composition of Copper	PTM/CUA/30/2021	Sn, Pb, Cr, Cd, Fe, Ni, As, P, Zn, Ag	BS/EN 15079/ Any Validated Method (OES)	Oct-21	B
Chemical Composition of Stainless Steel	PTM/SS/199/2021	C, Si, Mn, S, P, Ni, Mo, Cu, Cr, Co, Nb, V, Sn, N	ASTM E1086/IS-9879/Any Validated Method (OES)	Oct-21	A
Chemical Composition of Brass Alloy	PTM/BA/24/2021	Cu, Mn, Pb, Fe, Al, Zn, Sn	BS EN 15079/ Any Validated Method (OES)	Nov-21	A
Chemical Composition of Cast Iron	PTM/CI/29/2021	Cr, Cu, C, Si, Mn, P, S, Ni, Mo	ASTM E1999/Any Validated Method (OES)	Nov-21	A

Mechanical Properties of Metals

PT Scheme Name	PT Scheme Code	Analysts	Test Method (Suggested)	Schedule	Group INR
Vickers Hardness of Steel (HV 0.1)	PTM/MECH/64/18-19	Vickers Hardness Number (HV-0.1)	IS 1501 (P-1)/ ISO 6507-1/ASTM E 384	Ongoing	A
Izod Impact Testing	PTM/IZOD/15/2020	Izod Testing at Room Temperature	ASTM A370/ASTM E23/IS 1598	Ongoing	C
Vickers Hardness of Steel (HV 1)	PTM/HV1/171/2021	Vickers Hardness Number (HV-1)	IS 1501 (P-1)/ ISO 6507-1/ASTM E 384	Ongoing	A
Mechanical Properties of High Strength Deformed Steel Bars	PTM/TMT/94/2021	Ultimate Tensile Strength, Upper Yield Stress, Elongation, Mass/Meter Run	IS 1608 (P-1)/ISO 6892-1, IS 1786	Ongoing	B
Brinell Hardness of Steel (10/3000)	PTM/HBW10/10/2021	Brinell Hardness Number (HBW 10/3000)	IS 1500 (P-1)/ISO 6506- 1/ASTM E10	Ongoing	B
Tensile Properties of Steel (IS/ISO Method)	PTM/TS/160/2021	Ultimate Tensile Strength, Elongation, Upper Yield Strength	IS:1608 (P-1)/ISO 6892-1	Ongoing	B
Charpy Impact Testing of Steel (V Notch)	PTM/CVN/17/2021	Charpy Impact Testing of Steel (V Notch) at 0°C	ASTM A370/ASTM E23/ISO 148-1/IS 1757-1	Jul-21	C
Vickers Hardness of Steel (HV 10)	PTM/HV10/173/2021	Vickers Hardness Number (HV-10)	IS 1501 (P-1)/ ISO 6507-1/ASTM E 92	Jul-21	A
Brinell Hardness of Steel (2.5/187.5)	PTM/HBW2.5/12/2021	Brinell Hardness Number (HBW 2.5/187.5)	IS 1500 (P-1)/ISO 6506- 1/ASTM E10	Jul-21	A
Rockwell Hardness Number (HRBW)	PTM/HRBW/144/2021	Rockwell Hardness Number (HRBW)	IS 1586 (P-1)/ ISO 6508- 1/ASTM E18	Jul-21	A
Tensile Properties on Alluminium Alloy	PTM/MECH/36/19-20	Tensile Strength, Yield Strength, Elongation	IS:1608 (P-1)/ISO 6892-1	Aug-21	B
Vickers Hardness of Steel (HV 5)	PTM/HV5/175/2021	Vickers Hardness Number (HV-5)	IS 1501 (P-1)/ ISO 6507-1/ASTM E 92	Aug-21	A
Tensile Properties of Aluminium Sheet	PTM/ATS/05/21	Ultimate Tensile Strength, Upper Yield Stress, Elongation	IS:1608 (P-1)/ISO 6892-1/ASTM A370/ASTM E8	Aug-21	B
Rockwell Hardness Number (HRA)	PTM/HRA/140/2021	Rockwell Hardness Number (HRA)	IS 1586 (P-1)/ ISO 6508-1/ ASTM E18	Aug-21	A
Rockwell hardness Number (HRC)	PTM/HRC/147/2021	Rockwell Hardness Number (HRC)	IS 1586 (P-1)/ ISO 6508- 1/ASTM E18	Aug-21	A
Tensile Properties of CRC Sheet	PTM/TSCRC/152/2021	Ultimate Tensile Strength, Yield Strength, Elongation	IS 1608 (P-1)/ISO 6892-1/ASTM A370/ASTM E8	Aug-21	B
Brinell Hardness of Steel (5/750)	PTM/HBW5/15/2021	Brinell Hardness Number (HBW 5/750)	IS 1500 (P-1)/ISO 6506- 1/ASTM E10	Aug-21	A
Vickers Hardness Number (HV30)	PTM/HV30/166/2021	Vickers Hardness Number (HV-30)	IS 1501 (P-1)/ ISO 6507- 1/ASTM E 92	Aug-21	A
Proficiency Testing on Bend Test	PTM/BEND/105/2021	Bend Test	IS 1599/ISO-7438/ASTM E290	Aug-21	A
Tensile Properties of Steel (ASTM Method)	PTM/TS/157/2021	Ultimate Tensile Strength, Yield Strength (0.2% offset), Elongation	ASTM A370/ASTM E8	Aug-21	B
Tensile Properties of Flat steel Dumble	PTM/FTS/154/2021	UTS, Elongation, Upper Yield Strength	IS:1608 (P-1)/ISO 6892-1	Sep-21	B
Vickers Hardness of Steel (HV 5)	PTM/HV5/176/2021	Vickers Hardness Number (HV-5)	IS 1501 (P-1)/ ISO 6507-1/ASTM E 92	Sep-21	A



PT Scheme Name	PT Scheme Code	Analyts	Test Method (Suggested)	Schedule	Group INR
Proficiency Testing on Surface Roughness	PTM/SR/193/2021	Surface Roughness	IS 3073	Sep-21	D
Vickers Hardness of Steel (HV 0.5)	PTM/HV0.5/169/2021	Vickers Hardness Number (HV-0.5)	IS 1501 (P-1)/ ISO 6507-1/ASTM E 384	Sep-21	A
Tensile Properties of CRC Sheet	PTM/TSCRC/153/2021	Ultimate Tensile Strength, Yield Strength, Elongation	IS 1608 (P-1)/ISO 6892-1/ASTM A370/ASTM E8	Sep-21	B
Mechanical Properties of High Strength Deformed Steel Bars	PTM/TMT/95/2021	Ultimate Tensile Strength, Upper Yield Stress, Elongation, Mass/Meter Run	IS 1608 (P-1)/ISO 6892-1, IS 1786	Sep-21	B
Tensile Properties of Steel (IS/ISO Method)	PTM/TS/161/2021	Ultimate Tensile Strength, Elongation, Upper Yield Strength	IS:1608 (P-1)/ISO 6892-1	Sep-21	B
Vickers Hardness of Steel (HV 0.1)	PTM/HV0.1/167/2021	Vickers Hardness Number (HV-0.1)	IS 1501 (P-1)/ ISO 6507-1/ASTM E 384	Oct-21	A
Rockwell Hardness Number (HR30N)	PTM/HR30N/83/2020	Rockwell Hardness Number (HR30N)	IS 1586 (P-1)/ ISO 6508-1/ASTM E18	Oct-21	A
Izod Impact Testing	PTM/IZOD/82/2021	Izod Testing at Room Temperature	ASTM A370/ASTM E23/IS 1598	Oct-21	C
Vickers Hardness of Steel (HV 1)	PTM/HV1/172/2021	Vickers Hardness Number (HV-1)	IS 1501 (P-1)/ ISO 6507-1/ASTM E 384	Oct-21	A
Charpy Impact Testing of Steel (V Notch)	PTM/CVN/18/2021	Charpy Impact Testing of Steel (V Notch) at Room Temperature	ASTM A370/ASTM E23/ISO 148-1/IS 1757-1	Oct-21	C
Proficiency Testing on Bend Test	PTM/BEND/106/2021	Bend Test	IS 1599/ISO-7438/ASTM E290	Oct-21	A
Brinell Hardness of Steel (10/3000)	PTM/HBW10/11/2021	Brinell Hardness Number (HBW 10/3000)	IS 1500 (P-1)/ISO 6506-1/ASTM E10	Oct-21	B
Rockwell Hardness Number (HRBW)	PTM/HRBW/145/2021	Rockwell Hardness Number (HRBW)	IS 1586 (P-1)/ ISO 6508-1/ASTM E18	Oct-21	A
Vickers Hardness of Steel (HV 5)	PTM/HV5/177/2021	Vickers Hardness Number (HV-5)	IS 1501 (P-1)/ ISO 6507-1/ASTM E 92	Nov-21	A
Rockwell Hardness Number (HRA)	PTM/HRA/141/2021	Rockwell Hardness Number (HRA)	IS 1586 (P-1)/ ISO 6508-1/ ASTM E18	Nov-21	A
Tensile Properties on Alluminium Alloy	PTM/TSAL/163/2021	Tensile Strength, Yield Strength, Elongation	IS:1608 (P-1)/ISO 6892-1	Nov-21	B
Rockwell hardness Number (HRC)	PTM/HRC/149/2021	Rockwell Hardness Number (HRC)	IS 1586 (P-1)/ ISO 6508-1/ASTM E18	Nov-21	A
Tensile Properties of Flat steel Dumble	PTM/FTS/155/2021	Ultimate Tensile Strength, Elongation, Upper Yield Strength	IS:1608 (P-1)/ISO 6892-1	Nov-21	B
Vickers Hardness of Steel (HV 0.5)	PTM/HV0.5/170/2021	Vickers Hardness Number (HV-0.5)	IS 1501 (P-1)/ ISO 6507-1/ASTM E 384	Nov-21	A
Brinell Hardness of Steel (2.5/187.5)	PTM/HBW2.5/13/2021	Brinell Hardness Number (HBW 2.5/187.5)	IS 1500 (P-1)/ISO 6506-1/ASTM E10	Nov-21	A
Brinell Hardness of Steel (5/750)	PTM/HBW5/16/2021	Brinell Hardness Number (HBW 5/750)	IS 1500 (P-1)/ISO 6506-1/ASTM E10	Nov-21	A
Tensile Properties of Aluminium Sheet	PTM/TSALS/151/2021	Ultimate Tensile Strength, Upper Yield Stress, Elongation	IS:1608 (P-1)/ISO 6892-1/ASTM A370/ASTM E8	Dec-21	B



PT Scheme Name	PT Scheme Code	Analyts	Test Method (Suggested)	Schedule	Group INR
Tensile Properties of Steel (ASTM Method)	PTM/TS/158/2021	Ultimate Tensile Strength, Yield Strength (0.2% offset), Elongation	ASTM A370/ASTM E8	Dec-21	B
Vickers Hardness of Steel (HV 0.1)	PTM/HV0.1/168/2021	Vickers Hardness Number (HV-0.1)	IS 1501 (P-1)/ ISO 6507-1/ASTM E 384	Dec-21	A
Vickers Hardness of Steel (HV 10)	PTM/HV10/174/2021	Vickers Hardness Number (HV-10)	IS 1501 (P-1)/ ISO 6507-1/ASTM E 92	Dec-21	A



Metallography

PT Scheme Name	PT Scheme Code	Analyts	Test Method (Suggested)	Schedule	Group INR
Determination of Case Depth	PTM/CD/04/21	Cash Depth	IS 6416	Ongoing	B
Microstructure of Cast Iron (NODULAR)	PTM/MSN/102/2021	Graphite Type, Graphite Size Class, Nodule Count, Nodularity	ASTM A 247	Ongoing	B
Microstructure of Ferrous/Non-Ferrous Alloy	PTM/MSN/103/2021	Microstructure(100X)	ASM-9 Handbook/ ANY VALIDATED EQUIVALENT METHOD	Ongoing	B
Determination of The Apparent Grain Size (SS)	PTM/GSSS/77/2021	Average Grain Size Number	IS 4748/ASTM E112	Jul-21	B
Determination of Apparent Grain Size	PTM/GS/74/2021	Average Grain Size Number	IS 4748/ASTM E112	Sep-21	B
Determination of The Apparent Grain Size (SS)	PTM/GSSS/78/2021	Average Grain Size Number	IS 4748/ASTM E112	Oct-21	B
Determination of Apparent Grain Size	PTM/GS/75/2021	Average Grain Size Number	IS 4748/ASTM E112	Nov-21	B
Determination of Nonmetallic Inclusions In Steel	PTM/IRF/200/2021	Inclusion Rating (at 100 X)	IS 4163/ISO 4967	Nov-21	A



Ore & Minerals

PT Scheme Name	PT Scheme Code	Analysts	Test Method (Suggested)	Schedule	Group INR
Chemical Composition of Lime Stone	PTO/LS/46/2021	LOI, CaO, MgO, SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃	IS 1760 / Any Validated Test Method	Ongoing	A
Chemical Composition of Manganese Ore	PTO/MO/90/2020	Fe, SiO ₂ , Al ₂ O ₃ , P, Mn, Trace Elements	Any Gravimetric/Instrumental Method	Ongoing	E
Chemical Composition of Lime Stone	PTO/LS/47/2021	LOI, CaO, MgO, SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃	IS 1760 / Any Validated Test Method	Sep-21	A
Proficiency Testing on Feldspar	PTO/FS/119/2021	LOI, SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , K ₂ O, Na ₂ O, CaO, MgO	IS 9749/ Any Validated Method	Sep-21	E
Chemical Composition of Rock Phosphate	PTO/RP/91/2020	P ₂ O ₅ , SiO ₂ , Moisture, MgO, F, Organic Matter	Any Gravimetric/Instrumental Method	Oct-21	E
Chemical Composition of Gypsum	PTO/GYP/43/2021	SiO ₂ , CaO, MgO, SO ₃ , Fe ₂ O ₃ , Al ₂ O ₃	IS 1288/Any Validated Test Method	Oct-21	E
Chemical Composition of Quartz	PTO/QTZ/54/2021	LOI, SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , CaO	IS 1917/Any Validated Test Method	Oct-21	E
Proficiency Testing on Dolomite	PTO/DE/117/2021	LOI, Silica, CaO, MgO, Alumina, Ferric Oxide	IS 1760 / Any Validated Test Method	Oct-21	E
Chemical Composition of Iron Ore	PTO/IO/45/2021	Fe, CaO, MgO, TiO ₂ , SiO ₂ , Al ₂ O ₃ , P	IS 1493/Any Equivalent Method	Nov-21	A
Chemical Composition of Quartz	PTO/QTZ/55/2021	LOI, SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , CaO	IS 1917/Any Validated Test Method	Dec-21	E
Chemical Composition of Gypsum	PTO/GYP/44/2021	SiO ₂ , CaO, MgO, SO ₃ , Fe ₂ O ₃ , Al ₂ O ₃	IS 1288/Any Validated Test Method	Dec-21	E
Chemical Composition of Lime Stone	PTO/LS/48/2021	LOI, CaO, MgO, SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃	IS 1760 / Any Validated Test Method	Dec-21	A



Ferro-Alloys

PT Scheme Name	PT Scheme Code	Analyts	Test Method (Suggested)	Schedule	Group INR
Chemical Composition of Ferro Molybdenum	PTO/CHEM/24/19-20	C, S, P, Si, Cu, Al, Mo	IS 12614 / Any Validated Test Method	Sep-21	B
Chemical Composition of Ferro Vanadium	PTO/FV/87/2020	V, Si, C, S, P, Al	IS 1466/Any Validated Method	Sep-21	B
Chemical Composition of Ferro Silicon	PTO/CHEM/61/19-20	C, P, Si, Al, Ca	IS 1559/Any Validated Test Method	Sep-21	B
Chemical Composition of Ferro Titanium	PTO/FT/86/2020	Ti, C, Si, Al, Mn, P, S	IS 1468/Any Validated Method	Sep-21	B
Chemical Composition of Ferro Manganese	PTO/FMN/36/2020	C, S, P, Si, Mn	IS 1559/ IS 13938/ Any Validated Test Method	Oct-21	B
Chemical Composition of Ferro Chromium	PTO/FERROCR/32/2021	C, S, P, Si, Cr	IS 13452/Any Validated Test Method	Oct-21	B
Chemical Composition of Ferro Molybdenum	PTO/FERROMO/35/2021	C, S, P, Si, Cu, Al, Mo	IS 12614 / Any Validated Test Method	Nov-21	B
Chemical Composition of Ferro Silicon	PTO/FS/34/2020	C, P, Si, Al, Ca	IS 1559/Any Validated Test Method	Dec-21	B
Chemical Composition of Ferro Chromium	PTO/FERROCR/33/2021	C, S, P, Si, Cr	IS 13452/Any Validated Test Method	Dec-21	B



Building Materials

PT Scheme Name	PT Scheme Code	Analyts	Test Method (Suggested)	Schedule	Group INR
Chemical Properties of Cement (PPC)	PTB/PPCC/63/2021	LOI, CaO, MgO, SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃	IS 4032/ ASTM C114/ BS EN 196	Ongoing	E
Chemical Properties of Cement (OPC)	PTB/OPCC/61/2021	LOI, CaO, MgO, SiO ₂ , Al ₂ O ₃ , IR, SO ₃ , Fe ₂ O ₃ ,	IS 4032/ ASTM C114/ BS EN 196	Ongoing	E
Chemical Properties of Cement (PSC)	PTB/PSCC/76/2020	LOI, CaO, MgO, SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃	IS 4032/ ASTM C114/ BS EN 196	Ongoing	A
MEASUREMENT OF TIME OF A STANDARD BLOCK USING ULTRASONIC PULSE VELOCITY MACHINE	PTB/UPV/83/2021	ULTRASONIC PULSE VELOCITY, TIME	BY USING UPV MACHINE	Ongoing	D
Proficiency Testing on Bitumen	PTB/MECH/43/19-20	Penetration, flash point, Specific Gravity, Softening Point, Viscosity, Ductility Test	IS 1203, IS 1209, IS 1202, IS 1205, IS 1206(P-3), IS 1208	Jul-21	A
Proficiency Testing on Hydrated Lime	PTB/CHEM/21/17-18	CaO, MgO, SiO ₂ , Residue on 212µ IS Sieve	IS 6932	Aug-21	A
MECHANICAL PROPERTIES OF FINE AGGREGATES	PTB/CA/92/2021	Specific Gravity, Water Absorption, Bulk Density, Sieve Analysis	IS 2386	Aug-21	A
Mechanical properties of Cement (PPC)	PTB/PPCM/88/2021	Fineness Blaine, Setting Time (Initial & Final), Compressive Strength, Le-Chatelier Expansion	IS 4031	Aug-21	A
Chemical Composition of Fly ash	PTB/FAC/41/2021	LOI, CaO, MgO, SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , SO ₃ , Na ₂ O, K ₂ O, Cl	IS 1727/ASTM C114	Aug-21	E
Mechanical Properties of Pozzolanic Materials (FLY ASH)	PTB/MECH/02/19-20	Retention on 45 µm Sieve, Blain Fineness, Compression Strength, Lime Reactivity	IS 1727	Sep-21	A
Mechanical properties of Cement (PSC)	PTB/PSCM/90/2021	Fineness Blaine, Setting Time (Initial & Final), Compressive Strength, Le-Chatelier Expansion	IS 4031	Sep-21	A
Mechanical properties of Cement (PPC)	PTB/PPCM/89/2021	Fineness Blaine, Setting Time (Initial & Final), Compressive Strength, Le-Chatelier Expansion	IS 4031	Sep-21	A
Chemical Properties of Cement (PPC)	PTB/PPCC/64/2021	LOI, CaO, MgO, SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃	IS 4032/ ASTM C114/ BS EN 196	Sep-21	E
Mechanical properties of Cement (OPC)	PTB/OPCM/86/2021	Fineness Blaine, Setting Time (Initial & Final), Compressive Strength, Le-Chatelier Expansion	IS 4031	Sep-21	A
MEASUREMENT OF TIME OF A STANDARD BLOCK USING ULTRASONIC PULSE VELOCITY MACHINE	PTB/UPV/84/2021	ULTRASONIC PULSE VELOCITY, TIME	BY USING UPV MACHINE	Oct-21	B
Chemical Properties of Cement (OPC)	PTB/OPCC/62/2021	LOI, CaO, MgO, SiO ₂ , Al ₂ O ₃ , IR, SO ₃ , Fe ₂ O ₃ ,	IS 4032/ ASTM C114/ BS EN 196	Oct-21	E
Chemical Testing of Concrete Admixture	PTB/ADMC/70/2021	Dry Material Content, Ash Content, pH, Chloride ion content	IS 9103: 1999, IS 6925: 1993	Oct-21	E



PT Scheme Name	PT Scheme Code	Analyts	Test Method (Suggested)	Schedule	Group INR
Chemical Composition of Fly ash	PTB/FAC/42/2021	LOI, CaO, MgO, SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , SO ₃ , Na ₂ O, K ₂ O, Cl	IS 1727/ASTM C114	Nov-21	E
MECHANICAL PROPERTIES OF COARSE AGGREGATES	PTB/CA/93/2021	Specific Gravity, Water Absorption, Flakiness Index, Elongation Index, Sieve Analysis	IS 2386	Nov-21	A
Chemical Properties of Cement (PSC)	PTB/PSCC/66/2021	LOI, CaO, MgO, SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃	IS 4032/ ASTM C114/ BS EN 196	Nov-21	A
Proficiency Testing on Bitumen	PTB/BITUMEN/107/2021	Penetration, flash point, Specific Gravity, Softening Point, Viscosity, Ductility Test	IS 1203, IS 1209, IS 1202, IS 1205, IS 1206(P-3), IS 1208	Nov-21	A
Mechanical properties of Cement (OPC)	PTB/OPCM/87/2021	Fineness Blaine, Setting Time (Initial & Final), Compressive Strength, Le-Chatelier Expansion	IS 4031	Dec-21	A



Textiles

PT Scheme Name	PT Scheme Code	Analysts	Test Method (Suggested)	Schedule	Group INR
MECHANICAL TESTING OF TEXTILE ITEMS	PTT/PP/24/2020	GSM (Weight per unit area), Width Linear density of yarn removed from fabric, No of Threads per cm, Tensile Strength, Elongation at Break, Pilling Resistance (18000 Revolution), Tear Strength, Bursting Strength, Thickness of the Woven Fabrics	IS/ISO Method	Ongoing	A
CHEMICAL TESTING ON TEXTILE ITEMS	PTT/CP/25/2020	Colorfastness to Rubbing, Dimensional Stability of fabric in soaking in water, Colorfastness to Light, Colorfastness to Laundering, Moisture Content, Ash content, Scouring Loss, pH Value of aqueous extract at 27°C, Water Soluble Matter, Blend Composition	IS/ISO Method	Ongoing	A
Mechanical Testing on Textile items (Quantitative)	PTT/PP/185/2021	GSM, Width, Linear density of yarn removed from fabric, No of Threads per, Tensile Strength (5x20 cm Strip strength), Elongation at Break, Tear Strength, Bursting Strength, Thickness of the Woven Fabrics	IS/ ISO Method	Sep-21	A
Chemical Testing on Textile items (Quantitative)	PTT/PP/188/2021	Dimensional Stability of fabric in soaking in water, Moisture Content, Ash content, Scouring Loss, pH Value of aqueous extract at 27°C Water Soluble Matter, Blend Composition	IS/ ISO Method	Oct-21	E
Qualitative Scheme on Textile Testing –II	PTT/PP/187/2021	Color Fastness to Bleaching, Color Fastness to Hot Pressing, Water Repellency of Fabrics (water Spray Test), Resistance to Accelerated Ageing, Water Repellency of Fabrics (Pressure Head Test), Pilling Resistance	IS/ISO 105 Part N01, IS 762, IS/ISO 105-X11, IS 390, IS 7016 (P-8), IS 10971 (P-1), IS 6803	Oct-21	E
Qualitative Scheme on Textile Testing –I	PTT/PP/190/2021	Color Fastness to Light, Color fastness to Washing, Color fastness to Water, Color Fastness Rubbing, Color Fastness to Perspiration, Color Fastness to Dry Cleaning	IS/ISO 105 B01, IS 2454, ISO 105-B02, IS/ISO-105-C10, IS/ISO 105 E01, IS 767, IS/ISO 105 Part X12, IS 766, IS/ISO 105 E04, IS 971, IS 4802	Oct-21	E
Qualitative Scheme on Textile Testing –II	PTT/PP/192/2021	Color Fastness to Bleaching, Color Fastness to Hot Pressing, Water Repellency of Fabrics (water Spray Test), Resistance to Accelerated Ageing, Water Repellency of Fabrics (Pressure Head Test), Pilling Resistance	IS/ISO 105 Part N01, IS 762, IS/ISO 105-X11, IS 390, IS 7016 (P-8), IS 10971 (P-1), IS 6803	Nov-21	E
Mechanical Testing on Textile items (Quantitative)	PTT/PP/186/2021	GSM, Width, Linear density of yarn removed from fabric, No of Threads per, Tensile Strength (5x20 cm Strip strength), Elongation at Break, Tear Strength, Bursting Strength, Thickness of the Woven Fabrics	IS/ ISO Method	Dec-21	A



PT Scheme Name	PT Scheme Code	Analys	Test Method (Suggested)	Schedule	Group INR
Chemical Testing on Textile items (Quantitative)	PTT/PP/189/2021	Dimensional Stability of fabric in soaking in water, Moisture Content, Ash content, Scouring Loss, pH Value of aqueous extract at 27°C Water Soluble Matter, Blend Composition	IS/ ISO Method	Dec-21	E
Qualitative Scheme on Textile Testing –I	PTT/PP/191/2021	Color Fastness to Light, Color fastness to Washing, Color fastness to Water, Color Fastness Rubbing, Color Fastness to Perspiration, Color Fastness to Dry Cleaning	IS/ISO 105 B01, IS 2454, ISO 105-B02, IS/ISO-105-C10, IS/ISO 105 E01, IS 767, IS/ISO 105 Part X12, IS 766, IS/ISO 105 E04, IS 971, IS 4802	Dec-21	E



NDT (Metal & Building Material)

PT Scheme Name	PT Scheme Code	Analysts	Test Method (Suggested)	Schedule	Group INR
Testing of Steel Plate by Ultrasonic Technique	PTM/NDT/04/19-20	Crack Detection	Ultrasonic Technique	Ongoing	D
Proficiency Testing on X Ray	PTM/NDT/02/19-20	Crack Detection	IS ASME Sec-IX/Any Validated Method	Ongoing	D
MEASUREMENT OF TIME OF A STANDARD BLOCK USING ULTRASONIC PULSE VELOCITY MACHINE	PTB/UPV/83/2021	ULTRASONIC PULSE VELOCITY, TIME	BY USING UPV MACHINE	Ongoing	D
Proficiency Testing on X Ray	PTM/RT/133/2021	Crack Detection	IS ASME Sec-IX/Any Validated Method	Oct-21	D
Testing of Steel Plate by Ultrasonic Technique	PTM/UT/71/2021	Crack Detection	Ultrasonic Technique	Oct-21	D
MEASUREMENT OF TIME OF A STANDARD BLOCK USING ULTRASONIC PULSE VELOCITY MACHINE	PTB/UPV/84/2021	ULTRASONIC PULSE VELOCITY, TIME	BY USING UPV MACHINE	Oct-21	D
Testing of Steel Plate by Ultrasonic Technique	PTM/UT/72/2021	Crack Detection	Ultrasonic Technique	Dec-21	D
Proficiency Testing on X Ray	PTM/RT/134/2021	Crack Detection	IS ASME Sec-IX/Any Validated Method	Dec-21	D



Coating & Corrosion

PT Scheme Name	PT Scheme Code	Analyts	Test Method (Suggested)	Schedule	Group INR
INTERGRANULAR CORROSION TEST (PRACTICE A)	PTM/IGC/99/2020	Oxalic Acid Etch Test for Classification of Etch Structure of Austenitic Stainless Steel	ASTM A262 (PRACTICE A)	Ongoing	B
INTERGRANULAR CORROSION TEST (PRACTICE E)	PTM/GC/03/21	Oxalic Acid Etch Test for Classification of Etch Structure of Austenitic Stainless Steel	ASTM A262 (PRACTICE E)	Aug-21	D
Proficiency Testing on Silver Coating	PTM/CHEM/03/18-19	Coating Thickness	Any Validated Test Method	Aug-21	D
Proficiency Testing on Salt Spray Test	PTM/NSS/129/2021	Natural Salt Spray Test	ASTM B117/ISO 9227	Aug-21	D
Proficiency Testing on Zinc Coating	PTM/MC/135/2021	Coating Thickness, Mass of Zinc Coating	IS 6745/ASTM E376/Any Validated Test Method	Sep-21	D
Proficiency Testing on Nickel Coating	PTM/NIC/195/2021	Coating Thickness (Ni)	ASTM E376	Sep-21	D
INTERGRANULAR CORROSION TEST (PRACTICE A)	PTM/IGC/79/2021	Oxalic Acid Etch Test for Classification of Etch Structure of Austenitic Stainless Steel	ASTM A262 (PRACTICE A)	Oct-21	B
INTERGRANULAR CORROSION TEST (PRACTICE E)	PTM/IGC/81/2021	Oxalic Acid Etch Test for Classification of Etch Structure of Austenitic Stainless Steel	ASTM A262 (PRACTICE E)	Oct-21	D
Proficiency Testing on Zinc Coating	PTM/MC/136/2021	Coating Thickness, Mass of Zinc Coating	IS 6745/ASTM E376/Any Validated Test Method	Nov-21	D
Proficiency Testing on Salt Spray Test	PTM/NSS/130/2021	Natural Salt Spray Test	ASTM B117/ISO 9227	Dec-21	D



Polymer

PT Scheme Name	PT Scheme Code	Analysts	Test Method (Suggested)	Schedule	Group INR
Mechanical Properties of Plastic & Polymer	PTPO/PP/183/2021	Density, Melt Flow Rate, Vicat Softening Temperature, Water Absorption, Hardness Shore-D	IS 13360/ASTM D 792, IS 13360/ASTM D 1525, ASTM D 1238	Jul-21	D
Mechanical Properties of Rubber and Similar Products	PTPO/PPM/180/2021	Change in Elongation (Liquid Effect), Change in Tensile Strength (Liquid Effect), Density, Elongation at break, Tensile Strength	IS 3400 (P-1)/ ISO 37/ ASTM D 412-16, IS 3400 P-23, ISO 868, ASTM D2240, IS 3400 (P-4) / ISO 188/ ASTM D573	Aug-21	D
Chemical Properties of Rubber and Similar Products	PTPO/PPC/181/2021	Ash Content, Carbon Black, Polymer content	ASTM D297-15/IS 3400	Sep-21	D
Mechanical Properties of Plastic & Polymer	PTPO/PP/184/2021	Tensile, Elongation, Density, Vicat Softening Temperature, Melt Flow Index	IS 13360/ISO 527-1/ /ASTM D638/ ISO 1183/ ASTM D792/ IS 12235/ ASTM D1238	Nov-21	D
Chemical Properties of Rubber and Similar Products	PTPO/PPC/182/2021	Ash Content, Carbon Black, Polymer content	ASTM D297-15/IS 3400	Dec-21	D



Water & Residues in Water

PT Scheme Name	PT Scheme Code	Analyts	Test Method (Suggested)	Schedule	Group INR
Metals in Water	PTW/MIW/98/2021	Cu, Cr, Fe, Mn, Ni, Pb, Zn, Al, Cd, Na, K, Mg	ICP/AAS Technique	Ongoing	B
Analytical Quality Control (AQC/Water)-II	PTW/AQC-II/05/2021	pH at 27°C, Total Hardness, TDS, Chloride, Fluorides, Sulphate, Calcium, Magnesium, Boron, Hexavalent Chromium	IS 3025/APHA	Ongoing	B
Analytical Quality Control (AQC/Water)-III	PTW/AQC-III/08/2021	pH at 27°C, Dissolved Oxygen, BOD, Nitrite, Phosphate, Chloride, Calcium, Magnesium.	IS 3025/APHA	Jul-21	B
Proficiency Testing on Pesticides (OrganoChloro)	PTW/CHEM/36/18-19	Aldrin, p,p'-DDD, p,p'-DDE, p,p'-DDT, o,p'-DDD, o,p'-DDE, o,p'-DDT, α-BHC, β-BHC, δ-BHC, γ-BHC	Any Validated Test Method	Aug-21	B
Proficiency Testing on Pesticides (Organo Phosphorus)	PTW/CHEM/37/18-19	Chlorpyriphos, Malathion, Dieldrin, parathion-methyl, Endosulfan Sulphate	Any Validated Test Method	Aug-21	B
Proficiency Testing on Construction Water	PTW/CW/115/2021	pH at 27°C, Acidity, Alkalinity, Sulphate, Chloride, Inorganic Solids	IS 3025	Aug-21	B
Proficiency Testing on Swimming Pool Water	PTW/SPW/131/2021	pH at 27°C, Total Alkalinity, Aluminium, Total Dissolved Solids, Chloride, Iron, Turbidity	IS 3025	Aug-21	B
Analytical Quality Control (AQC/Water)-I	PTW/AQC-I/02/2021	pH at 27°C, K, Ammoniacal Nitrogen, Total Kjeldahl Nitrogen, Na, Phosphate, BOD, COD, Nitrate, TDS	IS 3025/APHA	Aug-21	B
Metals in Water	PTW/MIW/99/2021	Cu, Cr, Fe, Mn, Ni, Pb, Zn, Al, Cd, Na, K, Mg	IS 3025/APHA	Sep-21	B
Proficiency Testing on Swimming Pool Water	PTW/SPW/132/2021	pH at 27°C, Total Alkalinity, Aluminium, Total Dissolved Solids, Chloride, Iron, Turbidity	IS 3025	Sep-21	B
Analytical Quality Control (AQC/Water)-II	PTW/AQC-II/06/2021	pH at 27°C, Total Hardness, TDS, Chloride, Fluorides, Sulphate, Calcium, Magnesium, Boron, Hexavalent Chromium	IS 3025/APHA	Oct-21	B
Proficiency Testing on Construction Water	PTW/CW/116/2021	pH at 27°C, Acidity, Alkalinity, Sulphate, Chloride, Inorganic Solids	IS 3025	Oct-21	B
Analytical Quality Control (AQC/Water)-I	PTW/AQC-I/03/2021	pH at 27°C, K, Ammoniacal Nitrogen, Total Kjeldahl Nitrogen, Na, Phosphate, BOD, COD, Nitrate, TDS	IS 3025/APHA	Oct-21	B
Proficiency Testing on Pesticides (Organo Phosphorus)	PTW/OP/67/2020	Chlorpyriphos, Malathion, Dieldrin, parathion-methyl, Endosulfan Sulphate	Any Validated Test Method	Nov-21	B
Proficiency Testing on Pesticides (OrganoChloro)	PTW/OC/66/2020	Aldrin, p,p'-DDD, p,p'-DDE, p,p'-DDT, o,p'-DDD, o,p'-DDE, o,p'-DDT, α-BHC, β-BHC, δ-BHC, γ-BHC	Any Validated Test Method	Nov-21	B
Metals in Water	PTW/MIW/100/2021	Cu, Cr, Fe, Mn, Ni, Pb, Zn, Al, Cd, Na, K, Mg	ICP/AAS Technique	Nov-21	B

PT Scheme Name	PT Scheme Code	Analyts	Test Method (Suggested)	Schedule	Group INR
Proficiency Testing on Pesticides (Organo Phosphorus)	PTW/OP/123/2021	Chlorpyriphos, Malathion, Dieldrin, parathion-methyl, Endosulfan Sulphate	Any Validated Test Method	Dec-21	B
Proficiency Testing on Pesticides (OrganoChloro)	PTW/OC/125/2021	Aldrin, p,p'-DDD, p,p'-DDE, p,p'-DDT, o,p'-DDD, o,p'-DDE, o,p'-DDT, α-BHC, β-BHC, δ-BHC, γ-BHC	Any Validated Test Method	Dec-21	B
Metals in Water	PTW/MIW/101/2021	Cu, Cr, Fe, Mn, Ni, Pb, Zn, Al, Cd, Na, K, Mg	ICP/AAS Technique	Dec-21	B



Soil

PT Scheme Name	PT Scheme Code	Analyts	Test Method (Suggested)	Schedule	Group INR
Metals in Soil	PTW/CHEM/81/19-20	Lead, Cadmium, Iron, Arsenic, Silver, Zinc, Copper, Nickel	Any Validated Method/ Instrumental Method	Ongoing	A
Chemical Properties of Soil	PTW/SOIL/67/2021	pH, Sulphate, Chloride, Phosphorus, Calcium Carbonate, Sodium, Potassium	IS Method/Any Validated Method	Sep-21	A
Metals in Soil	PTW/MSOIL/97/2021	Lead, Cadmium, Iron, Arsenic, Silver, Zinc, Copper, Nickel	Any Validated Method/ Instrumental Method	Nov-21	A
Chemical Properties of Soil	PTW/SOIL/68/2021	pH, Sulphate, Chloride, Phosphorus, Calcium Carbonate, Sodium, Potassium	IS Method/Any Validated Method	Dec-21	A



Hazardous Chemicals

PT Scheme Name	PT Scheme Code	Analyts	Test Method (Suggested)	Schedule	Group INR
Proficiency Testing on RoHS	PTP/CHEM/34/18-19	Pb, Cd, Hg, Cr6+,	IEC 62321/Any validated method	Aug-21	D
Proficiency Testing on Phthalates	PTP/PHT/52/2020	Dibutyl Phthalate, Di-(2-ethylhexyl) Phthalate, Benzyl Butyl Phthalate, Di-n-octyl phthalate, Diisononyl phthalate, Di-iso-decyl Phthalate	EN 14372: 2004/ GB/T22048- 2008/ IS 9873 (Part-6)/IS 9873 (Part-9)	Sep-21	D
Total Concentration in Certain Elements in Toys	PTP/TC/51/2020	Pb, Cd, Sb, As, Ba, Cr, Hg, Se	IS 9873-5/ISO 8124-5	Sep-21	B
Proficiency Testing on RoHS	PTP/ROHS/127/2021	Pb, Cd, Hg, Cr6+,	IEC 62321/Any validated method	Nov-21	D
Total Concentration in Certain Elements in Toys	PTP/TC/165/2021	Pb, Cd, Sb, As, Ba, Cr, Hg, Se	IS 9873-5/ISO 8124-5	Dec-21	B



Coal & Coke

PT Scheme Name	PT Scheme Code	Analysts	Test Method (Suggested)	Schedule	Group INR
Proficiency Testing on Coal/Coke Testing (Proximate)	PTC/CP/111/2021	Ash, Moisture, Volatile Matter, Gross Calorific Value	IS 1350/ASTM Methods	Ongoing	D
Proficiency Testing on Coal/Coke Testing (Proximate)	PTC/CP/196/2021	Ash, Moisture, Volatile Matter, Gross Calorific Value	IS 1350/ASTM Methods	Sep-21	D
Proficiency Testing on Coal/Coke Testing (Ultimate)	PTC/CU/113/2021	Moisture content, Hydrogen, Nitrogen, Sulphur, Oxygen, Carbon, Ash content	IS 1350/ASTM/ISO Methods	Oct-21	D
Proficiency Testing on Coal/Coke Testing (Proximate)	PTC/CP/197/2021	Ash, Moisture, Volatile Matter, Gross Calorific Value	IS 1350/ASTM Methods	Nov-21	D



Biological

PT Scheme Name	PT Scheme Code	Analyts	Test Method (Suggested)	Schedule	Group INR
Biological Testing in Water	PTW/BIOL/179/2021	E. Coli, Faecal Coliform, Faecal streptococci, S. aureus, Salmonella	IS 15185/ IS 5887	Sep-21	A



Others

PT Scheme Name	PT Scheme Code	Analysts	Test Method (Suggested)	Schedule	Group INR
Proficiency Testing on Enamel	PTP/CHEM/03/19-20	Volatile Matter, %, Viscosity by Ford Cup, sec, Pigment Content, %, Gloss Value, 60°, Flash Point, °C, Mass, kg/10 ltr	IS 101	Ongoing	A
Proficiency Testing on Adhesive	PTCH/CHEM/19/17-18	Viscosity@30°C, Non-Volatile@105°C	ASTM D1200, ASTM D 2369	Sep-21	A
Proficiency Testing on Leather	PTT/CHEM/14/19-20	Total Ash (%), Solvent Extractable Substance (%), pH of water-soluble Chromic oxide (%)	IS 582	Sep-21	A
Proficiency Testing on Leather (2)	PTT/LEATHER2/19/2021	Aluminium (Al), Hexavalent Chromium, Iron (Fe), Moisture Content, Presence of Formaldehyde, Silica, Volatile Matter	IS 582	Sep-21	A
Proficiency Testing on Enamel	PTP/ENAMEL/118/2021	Dry Film Thickness, Drying Time (Surface Dry, Hard Dry, Tack Free), Total Non Volatile Content, Pencil Hardness Test	IS 101	Oct-21	A
Proficiency Testing on Painted Panel	PTP/PP/201/2021	Gloss Value (at 20°), Gloss Value (at 60°), Dry Film Thickness, micron	IS 101 (P4/S-4)/ ASTM D523 IS 101 (P-3/S-2)/ ASTM D7091/ ASTM D6132	Oct-21	B



Availability of QC Materials (OES)

Matrix Grade of the Material		Chemical Composition (Approx)																	
Aluminium	Gr. 24345	Si	Fe	Cu	Mn	Mg	Ti	Zn	Cr										
		1.05	0.258	4.123	1.096	0.360	0.027	0.023	0.017										
	Gr. 63400	Si	Fe	Cu	Mn	Mg	Ti	Zn											
		0.435	0.200	0.016	0.031	0.471	0.015	0.024											
ADC-12		Mg	Ti	Zn	Si	Fe	Cu	Mn											
		0.181	0.039	0.82	10.42	0.74	1.89	0.17											
Stainless Steel	AISI-202OFF	C	Si	Mn	S	P	Ni	Mo	Cu	Cr									
		0.145	0.64	5.09	0.014	0.04	2.77	0.149	0.89	14.23									
	AISI-304	C	Si	Mn	S	P	Ni	Mo	Cu	Cr	V								
		0.079	0.501	1.24	0.01	0.033	8.4	0.194	0.333	18.10	0.070								
AISI-316		C	Si	Mn	S	P	Ni	Mo	Cu	Cr									
		0.076	0.375	1.470	0.023	0.036	10.07	2.02	0.422	16.65									
AISI-321		C	Si	Mn	S	P	Ni	Mo	Cu	Cr	V	Ti	Co	Al	Sn				
		0.020	0.365	1.880	0.014	0.034	9.09	0.29	0.577	17.26	0.080	0.280	0.160	0.020	0.010				
Carbon, Low Alloy Steel	EN-24	C	Si	Mn	S	P	Ni	Mo	Al	Cu	V	Cr							
		0.40	0.258	0.564	0.014	0.017	1.33	0.265	0.019	0.069	0.034	1.06							
	EN-36C	C	Si	Mn	S	P	Ni	Mo	V	Cr									
		0.131	0.216	0.419	0.010	0.010	3.08	0.148	0.012	0.72									
	EN-353	C	Si	Mn	S	P	Ni	Mo	Cu	Cr	Al								
	0.190	0.258	0.710	0.024	0.019	1.05	0.127	0.022	0.950	0.052									
EN-31		C	Si	Mn	S	P	Ni	Mo	Cu	Cr	Al	V							
		1.12	0.215	0.442	0.038	0.022	0.162	0.097	0.109	1.42	0.021	0.015							
EN-1A		C	Si	Mn	S	P													
		0.083	0.047	1.180	0.314	0.047													
Tool St	M2	C	Si	Mn	S	P	Ni	Mo	Cr	V	Co	W							
		0.91	0.229	0.252	0.006	0.022	0.174	4.94	3.99	1.88	0.02	6.40							
Brass	IS 319 (Gr. 1)	Cu	Fe	Pb	Mn	Ni	Al	Zn											
		55.69	0.36	2.54	0.12	0.30	0.14	Rem.											
IS 320		Cu	Fe	Pb	Mn	Ni	Al	P	As	Zn									
		58.37	0.63	1.28	1.05	0.106	0.0062	0.007	0.009	Rem.									
Zinc Alloy	Zamak-5	Al	Mg	Cu	Ni	Sn													
		4.01	0.033	1.06	0.01	0.016													

Cost of QCM per unit (INR)

4000/- + 1000/- as Packing and Forwarding Charges + GST 18%

The Above cost is applicable for QC Material along Certificate of Analysis

Availability of QC Materials (Impact)

30~40 J	Charpy Impact V Notch QCM at 0°C as per ASTM A370/E23
50~60 J	Charpy Impact V Notch QCM at Room Temperature as per ISO 148-1/IS 1757-1

Cost of QCM per Set (INR)

8000/- + 1000/- as Packing and Forwarding Charges + GST 18% (Set of 4 QCM)

The Above cost is applicable for QC Material along Certificate of Analysis



Availability of QC Materials (Hardness)

Hardness	Range of Hardness	Test Parameter
HRBW	60-65	Rockwell Hardness Number (HRBW)
	90-95	
HRC	30-35	Rockwell Hardness Number (HRC)
	35-40	
	40-45	
	60-65	
HV-1	425-445	Vickers Hardness Number (HV-1)
	440-460	
	735-755	
HV-5	350-370	Vickers Hardness Number (HV-5)
	415-435	
	515-535	
	675-695	
HV-10	515-535	Vickers Hardness Number (HV-10)
HV-30	710-730	Vickers Hardness Number (HV-30)
HBW-10/3000	205-225	Brinell Hardness Number (HBW-10/3000)
HBW-5/750	250-270	Brinell Hardness Number (HBW-5/750)

Cost of QCM per unit (INR)

3000/- + 1000/- as Packing and Forwarding Charges + GST 18%

The Above cost is applicable for QC Material along Certificate of Analysis

Availability of BND® (Indian Reference Materials)

BND[®] 2201: Rockwell Hardness (C Scale): 44.33±0.83

BND[®] 2202: Rockwell Hardness (C Scale): 61.04±0.77

BND[®] 2204: Vickers Hardness (5 kgf/49.03N Load): 735.6±13.9



Cost of BND per unit (INR)

3500/- + 1000/- as Packing and Forwarding Charges + GST 18%

The Above cost is applicable for BNDs along Certificate of Analysis

● Availability of QC Materials (Tensile)

UTS: 700~725 Yield Stress: 400~425 Elongation: 25~28	Tensile Test Bar as per ASTM A370/E8
UTS: 675~700 Yield Stress: 425~450 Elongation: 25~28	Tensile Test Bar as per IS 1608 (P-1)/ISO 6892-1

Cost of QCM per Set (INR)

5000/- + 1000/- as Packing and Forwarding Charges + GST 18% (Set of 2 QCM)

The Above cost is applicable for QC Material along Certificate of Analysis

For any query please call us at 9582999061, 9873001501 or email us at qa@globalptprovider.com; umesh@globalptprovider.com