



National Council for Cement and Building Materials Interlaboratory Services



PC-1007

Proficiency Testing (PT) Calendar (January 2024 – December 2025)

Sl. No.	PT Item	Field	Parameter**	IS Code	Schedule	Charges (Rs.)**
DICIPLINE: CHEMICAL						
1.	Clinker	Chemical	Loss on ignition (LOI)	IS 4032:1985 (RA 2019)	JAN-24 JAN-25	15000/-
			Silicon dioxide (SiO ₂)	IS 4032:1985 (RA 2019)		
			Iron oxide (Fe ₂ O ₃)	IS 4032:1985 (RA 2019)		
			Aluminium oxide (Al ₂ O ₃)	IS 4032:1985 (RA 2019)		
			Calcium oxide (CaO)	IS 4032:1985 (RA 2019)		
			Magnesium oxide (MgO)	IS 4032:1985 (RA 2019)		
			Sulphur trioxide (SO ₃)	IS 4032:1985 (RA 2019)		
			Sodium oxide (Na ₂ O)	NCB Standard Procedure, MS-13-2010		
			Potassium oxide (K ₂ O)	NCB Standard Procedure, MS-13-2010		
			Chloride (Cl)	IS 4032:1985 (RA 2019)		
2.	Coal	Chemical	Moisture	IS 1350 (Part 1):1984 (RA 2019)/ ASTM/ EN/ISO	JAN-24 JULY-24	16000/-
			Volatile Matter	IS 1350 (Part 1):1984 (RA 2019)/ ASTM/ EN/ISO		
			Ash	IS 1350 (Part 1):1984 (RA 2019)/ ASTM/ EN/ISO	JAN-25 JULY-25	
			Gross Calorific Value	IS 1350 (Part 2):2017/ASTM/ EN/ ISO		
			Sulphur	IS 1350 (Part 3):1969 (RA 2015)/ASTM/ EN/ISO		
3.	PPC	Chemical	Loss on ignition (LOI)	IS 4032:1985 (RA 2019)	APR-24 APR-25	8000/-
			Magnesium oxide (MgO)	IS 4032:1985 (RA 2019)		
			Sulphur trioxide (SO ₃)	IS 4032:1985 (RA 2019)		
			Insoluble residue	IS 4032:1985 (RA 2019)		
			Sodium Oxide (Na ₂ O)	NCB Standard Procedure, MS-13-2010		
			Potassium Oxide (K ₂ O)	NCB Standard Procedure, MS-13-2010		
4.	Fly ash	Chemical	Loss on ignition (LOI)	IS 1727:1967 (RA 2018)	JULY-24 JULY-25	8000/-
			Silicon dioxide (SiO ₂)	IS 1727:1967 (RA 2018)		
			Iron oxide (Fe ₂ O ₃)	IS 1727:1967 (RA 2018)		
			Aluminium oxide (Al ₂ O ₃)	IS 1727:1967 (RA 2018)		
			Calcium oxide (CaO)	IS 1727:1967 (RA 2018)		
			Magnesium oxide (MgO)	IS 1727:1967 (RA 2018)		
			Sulphur trioxide (SO ₃)	IS 1727:1967 (RA 2018)		
			Sodium oxide (Na ₂ O)	NCB Standard Procedure, MS-14-2010		
			Potassium oxide (K ₂ O)	NCB Standard Procedure, MS-14-2010		



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5.	Water for concrete	Chemical	Organic (volatile) filterable residue	IS 3025 (Part 18): 1984 (RA 2017)	JULY-24 JULY-25	8000/-
			Inorganic (fixed) filterable residue	IS 3025 (Part 18): 1984 (RA 2017)		
			Sulphates (as SO ₃)	IS 3025 (Part 24):1986 (RA 2019)		
			Chlorides (as Cl)	IS 3025 (Part 32): 1988 (RA 2019)		
			Suspended (non-filterable) matter	IS 3025 (Part 17):1984 (RA 2017)		
			pH	IS 3025 (Part 11): 1983 (RA 2017)		
			Alkalinity	IS 3025 (Part 23): 1986 (RA 2019)		
6.	OPC	Chemical	Loss on ignition (LOI)	IS 4032:1985 (RA 2019)	OCT-24 OCT-25	8000/-
			Silicon dioxide (SiO ₂)	IS 4032:1985 (RA 2019)		
			Iron oxide (Fe ₂ O ₃)	IS 4032:1985 (RA 2019)		
			Aluminium oxide (Al ₂ O ₃)	IS 4032:1985 (RA 2019)		
			Calcium oxide (CaO)	IS 4032:1985 (RA 2019)		
			Magnesium oxide (MgO)	IS 4032:1985 (RA 2019)		
			Sulphur trioxide (SO ₃)	IS 4032:1985 (RA 2019)		
			Insoluble residue	IS 4032:1985 (RA 2019)		
			Sodium oxide (Na ₂ O)	NCB Standard Procedure, MS-13-2010		
			Potassium oxide (K ₂ O)	NCB Standard Procedure, MS-13-2010		
			Chloride (Cl)	IS 4032:1985 (RA 2019)		
7.	Limestone	Chemical	Loss on ignition (LOI)	IS 1760 (Part 1): 1991 (RA 2017)	APR-24 APR-25	13000/-
			Silica (SiO ₂)	IS 1760 (Part 2): 1991 (RA 2017)		
			Iron oxide (Fe ₂ O ₃)	IS 1760 (Part 3): 1992 (RA 2017)		
			Alumina (Al ₂ O ₃)	IS 1760 (Part 3): 1992 (RA 2017)		
			Calcium oxide (CaO)	IS 1760 (Part 3): 1992 (RA 2017)		
			Magnesium oxide (MgO)	IS 1760 (Part 3): 1992 (RA 2017)		
			Sodium oxide (Na ₂ O)	NCB Standard Procedure, MS-13-2010		
			Potassium oxide (K ₂ O)	NCB Standard Procedure, MS-13-2010		
			Free silica	IS 1760 (Part 6):2001 (RA 2017)		



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8.	Concrete admixture	Chemical	Dry material content	IS 9103:1999	OCT-24 OCT-25	10000/-
			Ash content	IS 9103:1999		
			pH	IS 9103:1999		
			Chloride ion content	IS 6925:1993		
9.	Gypsum*	Chemical	Combined water	IS 1288:1982	OCT-24	9000/-
			Calcium oxide (CaO)	IS 1288:1982		
			Sulphur trioxide (SO ₃)	IS 1288:1982		
10.	Iron Ore*	Chemical	Silicon oxide (SiO ₂)	IS 1493:1981	OCT-24	8000/-
			Iron oxide (Fe ₂ O ₃)	IS 1493:1981		
			Aluminium oxide (Al ₂ O ₃)	IS 1493:1981		
11.	Hydrated Lime*	Chemical	Calcium oxide (CaO) Ignited Basis	IS 6932 (Part 1): 1973)	OCT-24	5000/-
DICIPLINE: MECHANICAL						
1.	Mortar cube	Mechanical	Mass	-	JAN-25	15000/-
			Density	-		
			Area	-		
			Compressive strength	IS 4031 (Part 6):1988 (RA 2019)		
2.	PPC	Mechanical	Specific surface (Blaine fineness)	IS 4031 (Part 2):1999 (RA 2018)	APR-24 APR-25	12000/-
			Normal Consistency	IS 4031 (Part 4):1988 (RA 2019)		
			Initial setting time	IS 4031 (Part 5):1988 (RA 2019)		
			Final setting time	IS 4031 (Part 5):1988 (RA 2019)		
			72±1 hrs. comp. sth.	IS 4031 (Part 6):1988 (RA 2019)		
			168±2 hrs. comp. sth.	IS 4031 (Part 6):1988 (RA 2019)		
			672±4 hrs. comp. sth.	IS 4031 (Part 6):1988 (RA 2019)		
3.	Concrete cube	Mechanical	Mass	-	APR-24 APR-25	15000/-
			Density	-		
			Area	-		
			Compressive strength	IS 516:1959 (RA 2021)		



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4.	OPC	Mechanical	Specific surface (Blaine fineness)	IS 4031 (Part 2):1999 (RA 2018)	JULY-24 JULY-25	10000/-
			Normal Consistency	IS 4031 (Part 4):1988 (RA 2019)		
			Initial setting time	IS 4031 (Part 5):1988 (RA 2019)		
			Final setting time	IS 4031 (Part 5):1988 (RA 2019)		
			72±1 hrs. comp. sth.	IS 4031 (Part 6):1988 (RA 2019)		
			168±2 hrs. comp. sth.	IS 4031 (Part 6):1988 (RA 2019)		
			672±4 hrs. comp. sth.	IS 4031 (Part 6):1988 (RA 2019)		
5.	Burnt clay building brick	Mechanical	Water absorption	IS 3495 (Part 2): 2019	OCT-24 OCT-25	10000/-
			Compressive strength	IS 3495 (Part 1): 2019		
6.	Steel bar (16 mm)	Mechanical	Mass per metre	IS 1786:2008 (RA 2018) & IS 1608 (Part 1):2018	JAN-25	10000/-
			Yield stress			
			Elongation			
			Tensile strength			
7.	Fly ash	Mechanical	Blaine fineness	IS 1727:1967	JULY-24 JULY-25	8000/-
			Fineness by sieving (45µm)	IS 1727:1967		
			Lime reactivity	IS 1727:1967		
			Compressive strength	IS 1727:1967		
8.	Coarse aggregate	Mechanical	Specific gravity	2386 (Part III): 1963 (RA 2021)	OCT-24 OCT-25	15000/-
			Water absorption	2386 (Part III): 1963 (RA 2021)		
			Crushing value	2386 (Part IV): 1963 (RA 2021)		
			Impact value	2386 (Part IV): 1963 (RA 2021)		
			Abrasion*	2386 (Part IV): 1963 (RA 2021)		



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9.	Fine aggregate	Mechanical	Sieve analysis (ROS 300µm)	2386 (Part I): 1963 (RA 2021)	OCT-24 OCT-25	13000/-
			Specific gravity	2386 (Part III): 1963 (RA 2021)		
			Water absorption	2386 (Part III): 1963 (RA 2021)		
			Bulk density (loose)	2386 (Part III): 1963 (RA 2021)		
10.	NDT*	Mechanical	Rebound Index	IS 516 (Part 5/Sec 4):2020	JULY-24	8000/-
			Ultrasonic Pulse Velocity	IS 516 (Part 5/Sec 1):2018		

*Not in Scope

**Parameters and Charges will be changed at the time of launch of the scheme.

Note: Sample shipping charges is included in the mentioned amount.

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