



# LANDMARK MATERIAL TESTING AND RESEARCH LABORATORY PVT LTD

## PT DIVISION

### PT CALENDAR & PROTOCOL-2023

This schedule is revised every month as most of the rounds are repeated every three to six months.

**(Building Material, Soil & Rock, NDT, Metals & its Alloy, Rubber, Paper, Plastic, Textile & Geosynthetics and Coal)**

(A) Soil & Rock including Field test   (B) Aggregate   C) Concrete, AAC & Solid Block, Paver block, Tile

(D) Cement & Flyash   (E) Bitumen, PMB, Emulsion   (F) Fabric (mech & Chem), Yarn, Geogrid, Geotextile

(G) Others- Bricks, Tiles, Pipe, Wood, etc   (J) Coal

(H) NDT   (I) Metals & its Alloy   (L) Paper, Rubber & Plastic

(K) Chemical-Soil, Cement, Water, Admixture, Steel, Aggregate, Zinc Coating

***Test parameters written in italic are non-accredited parameters.***

#### GROUP -I MECHANICAL TESTING

##### Sub Group - (A) SOIL & ROCK

Product code: S&R-1			Product : Soil			
S.No .	Parameters	Method	Fees		Round IDs	Tentative material dispatch schedule
			Indian CABs	Non Indian CABs <sup>#</sup>		
(i)	Liquid Limit	IS: 2720 (Part 5)-1985 /Any equivalent Method	INR 12000.00	Equivalent to USD 340	LRL/PT/SOIL/A03/23	Feb.2023
(ii)	Plastic Limit	IS-2720 (Part 5)-1985/Any equivalent Method				
(iii)	Shrinkage Limit	IS-2720 (Part VI)-1972 /Any equivalent Method				
(iv)	Specific Gravity	IS: 2720 (Pt-III) Sec.1/2 /Any equivalent Method				
Product code: S&R-2			Product : Soil			
(i)	Dry Sieve Analysis	IS: 2720 (Pt-IV)/Any equivalent Method	INR 12000.00	Equivalent to USD 340	LRL/PT/SOIL/A02/23	Feb-23
(ii)	Wet Sieve Analysis	IS: 2720 (Pt-IV) /Any equivalent Method				
(iii)	Hydrometer Analysis	IS: 2720 (Pt-IV) (Clause 5.2) /Any equivalent Method				
(iv)	Free Swell Index	IS 2720 (Part XL/Any equivalent Method				



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S.No .	Parameters	Method	Fees		Round IDs	Tentative material dispatch schedule
			Indian CABs	Non Indian CABs <sup>#</sup>		
Product code:		S&R-3	Product :		Soil	
(i)	Heavy compaction	IS: 2720 (Part VIII)/ Any equivalent Method	INR 14000.00	Equivalent to USD 400	LRL/PT/SOIL/A13/22	Running
(ii)	Light Compaction	IS: 2720 (Part VII)/Any equivalent Method				
(iii)	CBR	IS:2720(Part-16) Any equivalent Method				
Product code:		S&R-4	Product :		Soil	
(i)	Direct Shear test	IS 2720 (Part-13) /Any equivalent Method	INR 14000.00	Equivalent to USD 400	LRL/PT/SOIL/A12/22	Running
(ii)	Tri-axial without pore water pressure	IS 2720 (Part-11) / Any equivalent Method				
(iii)	Unconfined Compressive Strength	IS 2720 (Part-10) /Any equivalent Method				
Product code:		S&R-8	Product:		Soil	
(i)	Permeability(CH)	IS 2720 (Part-17) / Any Equivalent Method	INR 14000.00	Equivalent to USD 380	LRL/PT/SOIL/A19/22	Running
(ii)	Permeability(FH)					
(iii)	Consolidation (CC)	IS 2720 (Part 15) / Any Equivalent Method				
(iv)	Swelling Pressure	IS 2720 Part-41/ Any Equivalent Method				
Product code:		S&R-7	Product :		Bentonite	
(i)	Sand Content	IS: 6186 /Any equivalent Method	INR 5000.00	Equivalent to USD 115	LRL/PT/BENS/A18/22	Jan. 2023
(ii)	Swelling Power					
(iii)	Moisture Content					
(iv)	Fineness	IS: 6186 /Any equivalent Method				
Product code:		S&R-6	Product :		Natural Rock	
(i)	Unconfined compressive Strength	IS: 9143 /Any equivalent Method	INR 15000.00	Equivalent to USD 425	LRL/PT/NARC/A04/23	Apr-23
(ii)	Dry Relative Density	IS: 13030 /Any equivalent Method				
(iii)	Water Content	IS: 13030 /Any equivalent Method				
(iv)	Optional Parameter: Point Load Index	IS: 8764/Any equivalent Method	INR 3000.00	Equivalent to USD 80		



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S.No .	Parameters	Method	Fees		Round IDs	Tentative material dispatch schedule
			Indian CABs	Non Indian CABs <sup>#</sup>		
Product code:		S&R-10	Product :		Natural Rock	
(i)	Tensile Strength by Indirect test(Brazilian Test)	IS 10082/ Any Equivalent Method	INR 15000.00	Equivalent to USD 425	LRL/PT/NARC/A20/22	Feb.2023
(ii)	Poisson ratio	IS 9221/ Any Equivalent Method				
(iii)	Modulus of elasticity					
Product code:		S&R-5	Product :		Natural Stone	
(i)	Compressive Strength	IS: 1121 (Part-1)/ Any equivalent Method	INR 15000.00	Equivalent to USD 425	LRL/PT/NAST/A10/22	Jan. 2023
(ii)	True Specific Gravity	IS: 1122/Any equivalent Method				
(iii)	Apparent Specific Gravity	IS: 1124/Any equivalent Method				
(iv)	Apparent Porosity	IS: 1124 /Any equivalent Method				
(v)	Water Absorption	IS: 1124 /Any equivalent Method				
(vi)	Scratch Hardness (Moh’s Scale)	IS 13630 (Part 13)/Any equivalent Method				
Product code:		S&R-9 <sup>\$</sup>	Product:	Soil (Field Testing)		
(i)	Field density by sand replacement method	IS 2720 Part-28/ Any Equivalent Method	INR 12000.00	Equivalent to USD320	LRL/PT/SOIL/A01/23	Jan. 2023
(ii)	Field density by core cutter method	IS 2720 Part-29/ Any Equivalent Method				
(iii)	Rapid Determination of moisture content using calcium carbide	IS 2720 Part-2/ Any Equivalent Method				
(iv)	Field CBR	IS 2720 Part-31/ Any Equivalent Method				
Product code:		S&R-12 <sup>\$</sup>	Product:	Soil (Field Testing)		
(i)	Standard Penetration Test	IS 2131: 1981	INR 10000.00	Equivalent to USD 285	LRL/PT/SOIL/A05/23	July. 2023



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S.No	Parameters	Method	Fees		Round IDs	Tentative material dispatch schedule
			Indian CABs	Non Indian CABs <sup>#</sup>		
Sub Group - (B) AGGREGATE						
Product code:		AGGT-1	Product :	Coarse Aggregate		
(i)	Los Angles Abrasion Value	IS: 2386(Part-IV) /Any equivalent Method	INR 12000.00	Equivalent to USD 340	LRL/PT/COAG/B02/23	Apr-23
(ii)	Crushing Value	IS: 2386(Part-IV) /Any equivalent Method				
(iii)	10% Fine Value	IS: 2386(Part-IV) /Any equivalent Method				
(iv)	Bulk Density	IS: 2386 (Part-III)-1963/Any equivalent Method				
(v)	Impact Value	IS: 2386(Part-IV) /Any equivalent Method				
(vi)	Soundness	IS:2386(Part-V) /Any equivalent Method				
Product code:		AGGT-3	Product :	Coarse Aggregate		
(i)	Sieve Analysis(Gradation)	IS: 2386 (Part-I)-1963 /Any equivalent Method	INR 12000.00	Equivalent to USD 340	LRL/PT/COAG/B01/23	Running
(ii)	Water Absorption	IS: 2386 (Part-III) /Any equivalent Method				
(iii)	Specific Gravity	IS: 2386 (Part-III) /Any equivalent Method				
(iv)	Elongation Index	IS: 2386 (Part-I)-1963 /Any equivalent Method				
(v)	Flakiness Index	IS: 2386 (Part-I)-1963 /Any equivalent Method				
Product code:		AGGT-2	Product :	Fine Aggregate		
(i)	Sieve Analysis(Gradation)	IS: 2386 (Part-I)-1963 /Any equivalent Method	INR 12000.00	Equivalent to USD 340	LRL/PT/FIAG/B06/22	Running
(ii)	Bulk Density (Compacted)	IS: 2386 (Part-III) /Any equivalent Method				
(iii)	Materials finer than75μ	IS: 2386 (Part-I) /Any equivalent Method				
(iv)	Water Absorption	IS: 2386 (Part-III) /Any equivalent Method				
(v)	Specific gravity	IS: 2386 (Part-III) /Any equivalent Method				
(vi)	Soundness	IS 2386 (Part V) /Any equivalent Method				



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S.No .	Parameters	Method	Fees		Round IDs	Tentative material dispatch schedule
			Indian CABs	Non Indian CABs <sup>#</sup>		
Sub Group - (C) CONCRETE						
Product code:		CONC-1	Product :	Hardened Concrete (Cube/Core)		
(i)	Compressive Strength (Cube/Core)	IS: 516(P-I/S-1)/ 516(P-4) /Any equivalent Method	INR 15000.00	Equivalent to USD 425	LRL/PT/CUBE/C02/23	Running
(ii)	Density	IS:516(Part2/Sec1):2018 Any equivalent Method				
Product code:		CONC-7	Product:	Hardened Concrete (Beam)		
(i)	Flexural strength test	IS 516(P-1/S-1)/ Any Equivalent Method	INR 8000.00	Equivalent to USD 225	LRL/PT/CONC/C04/23	Running
Product code:		CONC-8	Product:	Hardened Concrete (Core)		
(i)	Split tensile strength test	IS 516 (P-1/S-1)/ Any Equivalent Method	INR 8000.00	Equivalent to USD 225	LRL/PT/CONC/C09/22	Jan. 2023
Product code:		CONC-9	Product:	Hardened Concrete (Cube)		
(i)	Permeability test	IS 3085:1965/ Any Equivalent Method	INR 8000.00	Equivalent to USD 225	LRL/PT/CONC/C12/22	Running
Product code:		CONC-2	Product:	Fresh Concrete		
(i)	Consistency (Workability by Slump Test)	IS 1199(P-2):2018/Any equivalent Method	INR 12000.00	Equivalent to USD 300	LRL/PT/WOSL/C10/22	March.2023
(ii)	Compressive strength by accelerated curing	IS 9013 (1978)/Any equivalent Method				
Product code:		CONC-3	Product:	Hollow & Solid CC Blocks		
(i)	Compressive Strength	IS:2185 (Part I) Annex D/Any equivalent Method	INR 15000.00	Equivalent to USD 500	LRL/PT/COBL/C03/23	March.2023
(ii)	Block Density	IS:2185 (Part I) Annex C/Any equivalent Method				
(iii)	Water Absorption	IS:2185 (Part I) Annex E /Any equivalent Method				



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S.No .	Parameters	Method	Fees		Round IDs	Tentative material dispatch schedule
			Indian CABs	Non Indian CABs <sup>#</sup>		
Product code:		CONC-4	Product:	Paver Blocks		
(i)	Compressive Strength	IS : 15658 Annex-D/Any equivalent Method	INR 13000.00	Equivalent to USD 380	LRL/PT/PVBL/C01/23	Jan-23
(ii)	Water Absorption	IS : 15658 Annex-C/Any equivalent Method				
(iii)	Dimension	IS 15658 (Annexure B) /Any equivalent Method				
(iv)	Optional parameter: Abrasion Resistance	IS :15658 Annex-E/Any equivalent Method	INR 3000.00	Equivalent to USD 80		
Product code:		CONC-5	Product:	AAC Blocks		
(i)	Compressive Strength	IS: 6441 (Part-5)/Any equivalent Method	INR 15000.00	Equivalent to USD 425	LRL/PT/AACB/C11/22	Running
(ii)	Moisture Content	IS: 6441 (Part-I)/Any equivalent Method				
(iii)	Bulk Density	IS: 6441 (Part-I)/Any equivalent Method				
Product code:		CONC-6	Product:	Concrete Tiles		
(i)	Abrasion Resistance Test	IS: 1237 / Any equivalent Method	INR 15000.00	Equivalent to USD 425	LRL/PT/TILE/C05/22	Running
(ii)	Straightness					
(iii)	Flatness					
(iv)	Water Absorption					
(v)	Perpendicularity					
(vi)	Wet Transverse Strength					



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S.No .	Parameters	Method	Fees		Round IDs	Tentative material dispatch schedule
			Indian CABs	Non Indian CABs <sup>#</sup>		
Sub Group - (D) CEMENT						
Product code:		CEMT-1	Product:	CEMENT (OPC & PPC)		
(i)	Compressive Strength	IS: 4031 (Pt-6) /Any equivalent Method	INR 12000.00	Equivalent to USD 340	LRL/PT/CEMT/D02/23	Feb.2023
(ii)	Consistency	IS: 4031 (Pt-4) /Any equivalent Method				
(iii)	Setting Time Initial & Final	IS: 4031 (Part-5) /Any equivalent Method				
(iv)	Density	IS: 4031 (Pt-11) /Any equivalent Method				
(v)	Fineness (By Blain Air)	IS: 4031 (Part 2) /Any equivalent Method				
(vi)	Soundness (Le-Chatelier method)	IS: 4031(Pt-3) /Any equivalent Method				
Product code:		CEMT-2	Product:	Fly Ash		
(i)	Soundness (Autoclave)	IS: 1727 /Any equivalent Method	INR 8000.00	Equivalent to USD 225	LRL/PT/FLAS/D01/23	March.2023
(ii)	Fineness (By Blain Air)					
(iii)	Soundness (Le-Chatelier method)					
(iv)	Residue on 45 micron					
(v)	Specific Gravity					
Product code:		CEMT-3	Product:	Tile Bond Adhesive		
(i)	Open time	IS 15477	INR 10000.00	Equivalent to USD 285	LRL/PT/TBAD/D03/23	March.2023
(ii)	Adjustment time					
(iii)	Slip test					
Sub Group - (E) BITUMEN						
Product code:		BITU-1	Product:	Bitumen		
(i)	Specific Gravity	IS: 1202 /Any equivalent Method	INR 14000.00	Equivalent to USD 400	LRL/PT/BITU/ E01/23	Running
(ii)	Softening Point	IS: 1205 /Any equivalent Method				
(iii)	Penetration Test	IS: 1203 /Any equivalent Method				
(iv)	Ductility Test	IS: 1208 /Any equivalent Method				
(v)	Flash Point	IS: 1209 /Any equivalent Method				
(vi)	Solubility in Trichloroethylene	IS: 1216 /Any equivalent Method				



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S.No .	Parameters	Method	Fees		Round IDs	Tentative material dispatch schedule
			Indian CABs	Non Indian CABs <sup>#</sup>		
(vii)	Elastic Recovery on PMB	IS: 15462 /Any equivalent Method				
(viii)	Absolute Viscosity at 60°C	ASTM D 4402/IS 1206 (part- 2)/Any Equivalent Method				
(ix)	Kinematic Viscosity at 135°C	ASTM D 4402/ IS 1206 (part- 3)/Any equivalent Method				
Product code:		BITU-4	Product:	Polymer Modified Bitumen		
(i)	Flash Point	IS 1448 P-69/ Any equivalent Method	INR 14000.00	Equivalent to USD 400	LRL/PT/PMBT/E05/22	Apr-23
(ii)	Softening Point	IS: 1205/ Any equivalent Method				
(iii)	Penetration Test	IS: 1203 /Any equivalent Method				
(iv)	Separation Difference in Softening Point	IS 15462 (Annex C)/Any equivalent Method				
(V)	Test On Residue					
	a. Increase in Softening Point	IS 1205/ Any Equivalent method				
	b. Reduction in Penetration	IS 1203/ Any Equivalent method				
Product code:		BITU-2	Product:	Bituminous MIX/CORE		
(i)	Bitumen Content	IRC SP -112/Any equivalent Method	INR 14000.00	Equivalent to USD 455	LRL/PT/BTMX/E04/22	Running
(ii)	Density	ASTM D-2726 /Any equivalent Method				
(iii)	Marshall Stability	ASTM D-6927/Any equivalent Method				
(iv)	Optional parameter: Maximum Theoretical Specific Gravity (G <sub>mm</sub> )	ASTM D-2041-/Any equivalent Method	INR 1000.00			
(v)	Optional parameter: Tensile Strength Ratio	IRC SP 79 (Annex-E): / Any equivalent Method	INR 1000.00			
Product code:		BITU-3	Product:	Bitumen Emulsion		
(i)	Residue on 600 micron	IS : 8887(Annex B) /Any equivalent Method	INR 16000.00	Equivalent to USD 455	LRL/PT/BIEM/E02/23	Apr-23
(ii)	Viscosity by Saybolt furol viscometer at 25°C & 50°C	IS : 3117 /Any equivalent Method				
(iii)	Water content	IS:1211/Any equivalent Method				
(iv)	i)Residue by Evaporation	i) IS : 8887Annexure – J				
	ii) Penetration	ii) IS:1203				
	iii) Ductility	iii)IS:1208				
	iv)Solubility in Trichloroethylene	iv) IS:1216 /Any equivalent Method				





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S.No .	Parameters	Method	Fees		Round IDs	Tentative material dispatch schedule
			Indian CABs	Non Indian CABs <sup>#</sup>		
Product code:		BITU-5	Product:	Bitumen Emulsion		
(i)	Particle charge	IS 8887 / Any Equivalent Method	INR 16000.00	Equivalent to USD 455	LRL/PT/BIEM/E06/22	Apr-23
(ii)	Storage stability after 24 hr.	IS 8887 / Any Equivalent Method				
(iii)	Coating ability and water resistance	IS 8887 / Any Equivalent Method				
(iv)	Stability to mixing with cement	IS 8887 / Any Equivalent Method				
(v)	Miscibility with water	IS 8887 / Any Equivalent Method				
(vi)	Distillation Test	IS 1213/ Any Equivalent Method				
(vii)	Coagulation of emulsion at low temperature	IS 8887 / Any Equivalent Method				
Sub Group - (G) OTHERS						
Product code:		TILE-1	Product:	Ceramic/Vitrified Tiles		
(i)	Rectangularity	IS 13630 (Part 1) / Any equivalent Method	INR 15000.00	Equivalent to USD 425	LRL/PT/TILE/G02/23	March.2023
(ii)	Water Absorption	IS 13630 (Part 2) /Any equivalent Method				
(iii)	Scratch Hardness of Surface (Moh’s Scale)	IS 13630 (Part 13) /Any equivalent Method				
(iv)	Straightness	IS 13630 (Part 1) / Any equivalent Method				
(v)	Modulus of Rupture	IS 13630 (Part 6) / Any equivalent Method				
(vi)	Breaking Strength	IS 13630 (Part 6)/ Any equivalent Method				
(vii)	Bulk Density	IS 13630 (Part 2) /Any equivalent Method				
Product code:		BRIC-1	Product:	Building Bricks		
(i)	Compressive Strength	IS: 3495 (Pt -I) /Any equivalent Method	INR 15000.00	Equivalent to USD 425	LRL/PT/BRIC/G03/23	Feb.2023
(ii)	Water Absorption	IS:3495 (Pt -II) /Any equivalent Method				
(iii)	Dimension Test	IS:1077 or IS:12894				



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S.No	Parameters	Method	Fees		Round IDs	Tentative material dispatch schedule
			Indian CABs	Non Indian CABs <sup>#</sup>		
Product code:		WOOD-1	Product:	Timber & Plywood		
(i)	Moisture Content	IS:1708(Part-I) / Any equivalent Method	INR 9000.00	Equivalent to USD 255	LRL/PT/WOOD/G03/22	Jan. 2023
(ii)	Specific Gravity	IS:1708(Part-II)/Any equivalent Method				
(iii)	Density (In Plywood)	IS: 303, IS:1734(Part-I) /Any equivalent Method				
(iv)	Moisture Content (In Plywood)	IS: 303, IS:1734(Part-I) /Any equivalent Method				
Product code:		PIPE-1	Product:	Thermoplastic & G.I. Pipe		
(i)	Dimensions (GI pipe) a. Outside Diameter, b. Thickness	IS: 1239 (Part-1) /Any equivalent Method	INR 10000.00	Equivalent to USD 285	LRL/PT/PIPE/G01/23	Apr-23
(ii)	Nominal Mass (GI pipe)	IS: 1239 (Part-1) /Any equivalent Method				
(iii)	Measurement of Dimensions(In thermoplastic pipe) a. Wall Thickness b. Mean Outside Diameter	IS: 12235 (Part-1)/Any equivalent Method				
(iv)	Density (in thermoplastic pipe)	IS: 12235 (Part-14)/Any equivalent Method				
(v)	Vicat Softening Temperature	IS: 12235 (Part-2) /Any equivalent Method				
(vi)	Hydrostatic pressure test at 27 °C	IS: 12235 (Part-8/Sec-1) /Any equivalent Method				
(vii)	Tensile Strength Test	IS: 12235 (Part-13) /Any equivalent Method				
Sub Group - (I) METALS & ITS ALLOYS						
Product code:		METL-1	Product:	TMT Bars		
(i)	Tensile Strength	IS 1608 & IS 1786/Any equivalent Method	INR 12000.00	Equivalent to USD 340	LRL/PT/TMTB/I03/22	Running
(ii)	Yield Stress	IS 1608 & IS 1786/Any equivalent Method				
(iii)	Elongation	IS 1608 & IS 1786/Any equivalent Method				
(iv)	Mass per Meter Length	IS 1608 & IS 1786/Any equivalent Method				



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S.No .	Parameters	Method	Fees		Round IDs	Tentative material dispatch schedule
			Indian CABs	Non Indian CABs <sup>#</sup>		
Product code:		METL-2	Product:	Structural Steel		
(i)	Tensile Strength	IS 1608 (Part 1) & ISO 6892/Any equivalent Method	INR 10000.00	Equivalent to USD 285	LRL/PT/STEL/I04/22	Running
(ii)	Yield Stress	IS 1608 (Part 1) & ISO 6892/Any equivalent Method				
(iii)	Elongation	IS 1608 (Part 1) & ISO 6892/Any equivalent Method				
Product code:		METL-5	Product:	G.I. Sheet Metal		
(i)	Mass of Zinc coating	IS 6745 : 1972/ Any Equivalent Method	INR 5000.00	Equivalent to USD 115	LRL/PT/ZINC/I07/22	Running
Product code:		METL-4	Product:	Strand Wire		
(i)	Breaking Strength	IS 1608 /Any equivalent Method	INR 12000.00	Equivalent to USD 340	LRL/PT/WIRE/I06/22	Feb.2023
(ii)	0.2% Proof Load	IS 1608 /Any equivalent Method				
(iii)	Elongation	IS 1608 /Any equivalent Method				
(iv)	Dimension	IS 14268/Any equivalent Method				
(v)	Mass per Meter Length	IS 14268/Any equivalent Method				
(vi)	Tensile strength	IS 1608 /Any equivalent Method				
(vii)	Length of Lay	IS 14268/Any equivalent Method				
Sub Group - (F) TEXTILE MATERIAL						
Product code:		TEXT-1	Product:	Geogrids		
(i)	Tensile Strength	ASTM D 6637:2001 /Any equivalent Method	INR 12000.00	Equivalent to USD 325	LRL/PT/GECD/ F01/22	Apr-23
(ii)	Thickness (RIB and Junction)	ASTM D 5199:2011/ Any equivalent Method 2				
Product code:		TEXT-2	Product:	Geotextiles		
(i)	Wide Width Tensile Strength	IS 16635/ ASTM D 4595/Any equivalent Method	INR 15000.00	Equivalent to USD 430	LRL/PT/GETX/ F01/23	Mar-23
(ii)	Static Puncture Strength (CBR Push Through)	ASTM D6241:2014/Any equivalent Method				
(iii)	Trapezoid Tearing Strength	ASTM D 4533/ IS 14293/Any equivalent Method				



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S.No .	Parameters	Method	Fees		Round IDs	Tentative material dispatch schedule
			Indian CABs	Non Indian CABs <sup>#</sup>		
(iv)	Mass per unit area	IS 14716:2021/Any equivalent Method	15000.00	to USD 420		
(v)	Grab Breaking Load	ASTM D 4632/Any equivalent Method				
(vi)	Index Puncture Resistance	ASTM D 4833/Any equivalent Method				
Product code:		TEXT-3	Product:	Fabric		
(i)	Mass Per Unit Area	IS 7016 : Pt 1 :Sec 2 /Any equivalent Method	INR 8000.00	Equivalent to USD 225	LRL/PT/FABR/ F02/22	Jan. 2023
(ii)	Tear Resistance	IS 7016 : Pt 3:Sec 1/Any equivalent Method				
(iii)	Tensile Strength	IS 7016 : Pt 2/Any equivalent Method				
(iv)	Bursting Strength by Diaphragm Bursting	IS 1966 (Pt 1)/ASTM D 3786 /Any equivalent Method				
(v)	Threads Per Unit Length	IS 1963: 2004/Any equivalent Method				
(vi)	Breaking Strength (Grab Test)	ASTM D5034/IS 1969 (PT-2) /Any equivalent Method				
(vii)	Bursting Strength by Ball Burst	ASTM D 3787/Any equivalent Method				
(viii)	Breaking Force by Strip Method	ASTM D 5035/IS 1969 (Pt 1) /Any Equivalent Method				
(ix)	pH	IS 1390 /Any Equivalent Method				
(x)	scouring loss	IS 1383/Any Equivalent Method				
(xi)	Blend Composition	IS 3416/Any Equivalent Method				
(xii)	Water Soluble Matter	IS 3456/Any Equivalent Method				
(xiii)	Ash Content	IS 199/Any Equivalent Method				
(xiv)	Moisture					
(xv)	Wettability	IS 2349/Any Equivalent Method				



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S.No .	Parameters	Method	Fees		Round IDs	Tentative material dispatch schedule
			Indian CABs	Non Indian CABs <sup>#</sup>		
Product code:		TEXT-4	Product:	Yarn		
(i)	Determination of Twist	IS 832 (Pt 1 &2)/ISO 17202 /Any Equivalent Method	INR. 5000	Equivalent to USD 115	LRL/PT/YARN/F03/22	Jan. 2023
(ii)	Linear Density of Spun Yarns	IS 1315/Any Equivalent Method				
(iii)	Single Thread Strength	IS 1670/Any Equivalent Method				
Sub Group - (L) PAPER & RUBBER & PLASTIC						
Product code:		RUBR-I	Product:	Rubber		
(i)	Tensile Strength	IS 3400 Part - 1/ Any equivalent Method	INR 18000.00	Equivalent to USD 320	LRL/PT/RUBR/L03/22	Jan. 2023
(ii)	Shore A hardness	IS 3400 Part - 23 section 1/ Any equivalent Method				
(iii)	Tear Strength	IS 3400 Part - 12/ Any equivalent Method				
(iv)	Density	IS 3400 Part - 9/ Any equivalent Method				
Product code:		PAPR- I	Product:	Paper		
(i)	Grammage	IS 1060 Part 5 Sec 5:2021/ Any Equivalent Method	INR 15000.00	Equivalent to USD 450	LRL/PT/PAPR/L04/22	Jan. 2023
(ii)	Tensile strength	IS 1060 Part 5 Sec 6:2014/ Any Equivalent Method				
(iii)	Burst strength	IS 1060 Part 6 Sec 2:2014/ Any Equivalent Method				
(iv)	Thickness	IS 1060 Part 5 Sec 3:2014/ Any Equivalent Method				
(v)	Cobb Test	IS 1060 Part 5 Sec 4:2014/ Any Equivalent Method				
Product code:		PLST-I	Product:	Plastic & Polymer		
(i)	Tensile Strength	IS 13360 (Part 5 Sec 1)/ Any equivalent Method	INR 10000.00	Equivalent to USD 285	LRL/PT/PLST/L01/23	Jan. 2023
(ii)	Vicat Softening Point	IS 13360 (Part 6 Sec 1)/ Any equivalent Method				
(iii)	Melt Flow Index	ASTM D 1238/ Any equivalent Method				
(iv)	Density	IS 13360 (Part 3 Sec10)/ Any equivalent Method				
(v)	Tear Resistance	IS 2508: 2016 Any equivalent Method				



**LANDMARK MATERIAL TESTING AND RESEARCH LABORATORY PVT LTD**  
**PT DIVISION**

S.No .	Parameters	Method	Fees		Round IDs	Tentative material dispatch schedule
			Indian CABs	Non Indian CABs <sup>#</sup>		
GROUP -II NON DESTRUCTIVE TESTING						
Sub Group - (H) CONCRETE						
Product code:		NDTC-1 <sup>\$</sup>	Product:	Reinforced Concrete		
(i)	UPV	IS: 516 Part 5 Sec 1/Any equivalent Method	INR 12000.00	Equivalent to USD 340	LRL/PT/NDTC/H01/23	Jan. 2023
(ii)	Rebound hammer	IS: 516 Part 5 Sec 4/Any equivalent Method				
(iii)	Half Cell Potential	ASTM C876-91/Any equivalent Method				
(iv)	Carbonation test	BS 1881 (Part 201)/Any equivalent Method				
(v)	Cover Depth	ASTM E 3013/Any equivalent Method				
Product code:		NDTC-2 <sup>\$</sup>	Product:	Reinforced Concrete Piles		
(i)	Determination of length by pile integrity method	ASTM D-5882 (RA 2007)/ IS 14893	INR 15000.00	Equivalent to USD 425	LRL/PT/NDTC/H06/22	Jan. 2023
GROUP -III CHEMICAL TESTING						
Sub Group - (J) COAL						
Product code:		COAL-1	Product:	Coal		
(i)	Moisture Content	IS 1350 (P 1) /Any equivalent Method	INR 8000.00	Equivalent to USD 225	LRL/PT/COAL/J01/22	Running
(ii)	Ash Content	IS 1350 (P 1) /Any equivalent Method				
(iii)	Volatile Matter	IS 1350 (P 1) /Any equivalent Method				
(iv)	Gross Calorific Value	IS 1350 (P 2) /Any equivalent Method				



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Sub Group - (K) BUILDING MATERIALS						
Product code:		S&R-11	Product:	Soil		
(i)	pH Value	IS:2720 (Part-26)/ Any equivalent Method	INR 8000.00	Equivalent to USD 225	LRL/PT/SOIL/K06/22	Feb.2023
(ii)	Chloride Content	BS EN 1377 Pt 2/Any equivalent method				
(iii)	Sulphate Content	IS:2720 (Part-27) / Any equivalent Method				
(iv)	Organic Matter	IS 2720 (Part 22) / Any equivalent Method				
Product code:		CEMT-3	Product:	Cement		
(i)	LOI, CaO, MgO, SiO <sub>2</sub> , Al <sub>2</sub> O <sub>3</sub> , Fe <sub>2</sub> O <sub>3</sub> , IR, SO <sub>3</sub>	IS:4032/Any equivalent Method	INR 8000.00	Equivalent to USD 225	LRL/PT/CEMT/K01/23	Running
Product code:		WATR-1	Product:	Construction water		
(i)	pH	IS:3025 (Part-11)-1983	INR 8000.00	Equivalent to USD 225	LRL/PT/WATR/ K03/22	Running
(ii)	Chloride (as Cl)	IS:3025 (Part-32)-1988				
(iii)	Sulphate (as SO <sub>4</sub> )	IS:3025 (Part-24)-1986				
(iv)	Organic Matter Content	IS:3025 (Part-18)-1984				
(v)	Inorganic Matter Content	IS:3025 (Part-18)-1984				
(vi)	Volume of 0.02 N NaOH Required to Neutralize 100ml Sample of water using Phenolphthalein Indicator	IS:3025 (Part-22)-1986				
(vii)	Volume of 0.02 N H <sub>2</sub> SO <sub>4</sub> Required to Neutralize 100ml Sample of water using Mixed Indicator	IS:3025 (Part-23)-1986				
(viii)	Total Suspended Solid	IS:3025 (Part-17)-1986				

S.No .	Parameters	Method	Fees		Round IDs	Tentative material dispatch schedule
			Indian CABs	Non Indian CABs <sup>#</sup>		
Product code:		METL-3	Product:	Steel		
(i)	Carbon, Sulphur, Phosphorus , Manganese, Silicon	ASTM E415/IS 8811/IS 228/ASTM E350/Any Validated Method	INR 8000.00	Equivalent to USD 225	LRL/PT/STEL/ K04/22	Running
Product code:		ADMX-1	Product:	Admixture		
(i)	pH Value	IS :9103-1999/Any Equivalent method	INR 8000.00	Equivalent to USD 225	LRL/PT/ADMX/ K05/22	Jan. 2023
(ii)	Relative Density					
(iii)	Dry Material Content					
(iv)	Ash Content					
(v)	Chloride Ion Concentration	IS 6925/Any Equivalent method				
Product code:		AGGT-4	Product:	Aggregate		
(i)	Chloride Content	BS EN 1744 (1)/ Any Equivalent Method	INR 8000.00	Equivalent to USD 225	LRL/PT/AGGT/K02/23	Mar-23
(ii)	Sulfate Content					
(iii)	Reduction in Alkalinity	IS 2386 (Part 7)/ / Any Equivalent Method				
(iv)	Dissolved Silica					

**Note:**

A. \$ -PT rounds on Non Destructive Testings and Field tests of soil are sequential type PT programmes and these will be conducted at PT provider's premises at Jaipur.

B. Dates mentioned above are tentative and may be postponed if sufficient number of participation is not met.

C. Italic Parameters are not under present scope of accreditation of PTP. Scope is applied for accreditation.

D. Fees mentioned here are excluding GST, please deduct discount amount from fees (Refer Form-1 for discount policy) and add GST on balance amount to calculate total fees payable.

H. #Rates mentioned in USD are applicable for CABs working outside India and GST is not applicable on such participants.

F. #Rates mentioned in USD are including the packaging cost but excluding the shipping charges. Following procedure will be adopted for shipping of packed samples:

(i) To pay the actual cost of shipping, participants may ask the estimated cost by sending us an email. An estimate of competent courier service agency will be sent to them and they will be required to deposit the shipping cost along with PT fees.





# LANDMARK MATERIAL TESTING AND RESEARCH LABORATORY PVT LTD

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S.No	Parameters	Method	Fees		Round IDs	Tentative material dispatch schedule
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(ii) Or participant may choose to arrange the picking of samples from our Lab's address on their own. For which we will hand over the consignment to the courier agent appointed by them. Participants will be required to pay the cost directly to their courier agent for picking, shipping and delivery up to destination.

(iii) Shipping of the PT samples is subjected to local law of land for transportation of any particular material and may affect the dispatch/delivery. Participants are advised to assess the possibility of hassle free transit of material before applying for PT as PTP will not be responsible if samples are stuck with custom.

## GENERAL PROTOCOL

LANDMARK Material Testing and Research Laboratory Pvt. Ltd (LRL) is a renowned organization providing services in the field of mechanical, chemical and non destructive testing of various building materials and soil, technical trainings, research & development. The PT DIVISION of LRL is an Accredited Proficiency Testing Service provider as per ISO 17043:2010 in many parameters & products and continually enhancing its existing scope.

**INFORMATION ON PT ROUNDS:** The process flow of the round is mentioned below:

- (i) CABs willing to participate, accord consent by submitting duly filled FORM-1 through Email & deposit the fees.
- (ii) On receipt of FORM-1 and Fees, participants are registered for further process of PT round, and samples are dispatched to them as per the schedule.
- (iii) On receipt of PT samples, CAB needs to submit acknowledgement vide FORM-2 through Email.
- (iv) CABs conduct tests on PT Items during specified period and submit the results vide FORM-3 in Soft & hard Copy.
- (v) All results are processed statistically and performance score with PT report are issued.
- (vi) CABs need to submit Feedback & experience vide FORM-4 after receipt of performance score and PT reports.

**REGISTRATION AND MATERIAL DISPATCH:** Registrations will remain open for all PT rounds throughout the programme duration till PT material dispatch date. In general PT samples will be dispatched as per the scheduled date, but in some cases due to less participation it may be postponed and thereby the PT report issue date also, as the case may be.

CABs willing to participate in any of the PT round may submit their request vide duly filled FORM-1 along with respective fees and GST. On receipt of Form-1 & fees, a certificate of registration will be issued, if demanded by the CAB.

Any laboratory having the test facilities with calibrated equipments for the test applied can participate in the PT Program through registration process.

**PT REPORT AND CONFIDENTIALITY:** The identity of participants will not be disclosed in PT report and only a numeric codal identity will be used to address the participant. PT Report and performance scores will be issued to participants only, however these may be issued to NABL or any regulatory body if required.



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**SUBCONTRACTING:** Various aspects of the proficiency testing scheme can from time to time be subcontracted. When subcontracting occurs, it is placed with a competent subcontractor and PTP is responsible for this work. An information of subcontracting activities are duly indicated in PT report.

**APPEALS & COMPLAINTS:** The participating laboratories may submit appeals or grievances, if any, to PT coordinator within one month after the issue of PT report.

**COMMUNICATION :**The complete programme is being managed by Nirbhay Mathur (PT Coordinator). The participants may interact with PT coordinator as per the details given below. Electronic (email) and documented communications between official addresses will only be considered valid.

PT Division reserves the right to carry out alterations/corrections/revisions and to cancel the whole or part of any PT round at any time without assigning any reason whatsoever.

Sd.  
Nirbhay Mathur  
(PT Coordinator)

Date: 28.12.2022  
Contact Details:  
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