

LANDMARK

Material Testing And Research Laboratory Pvt. Ltd.

PROFICIENCY TESTING CALENDER & PROTOCOL

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Confidentiality

Integrity

Reliability

Transparency

Punctuality

Economical



G-200, RIICO Industrial Area, Mansarovar, Jaipur-302020(Rajasthan)

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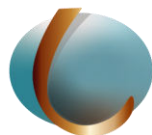
**GROUP -I
MECHANICAL TESTING**



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Sub Group - (A) SOIL & ROCK						
S.No.	Parameters	Suggested method or any equivalent method	Fees		Round IDs	Tentative material dispatch schedule
			Indian CABs	Non-Indian CABs#		
Product code : S & R-1			Product : Soil			
(i)	Liquid Limit	IS: 2720 (Part 5)	INR 10000.00	Equivalent to USD 270	LPTM/SOIL/A01/25	Running
(ii)	Plastic Limit					
(iii)	Shrinkage Limit	IS-2720 (Part VI)				
(iv)	Specific Gravity	IS: 2720 (Pt-III) Sec.1/2				
Product code : S & R-2			Product : Soil			
(i)	Dry Sieve Analysis	IS: 2720 (Pt-IV)	INR 10000.00	Equivalent to USD 270	LPTM/SOIL/A09/25	Feb-25
(ii)	Wet Sieve Analysis					
(iii)	Hydrometer Analysis					
(iv)	Free Swell Index					
Product code : S & R-3			Product : Soil			
(i)	Heavy compaction	IS: 2720 (Part VIII)	INR 12000.00	Equivalent to USD 290	LPTM/SOIL/A10/25	Feb-25
(ii)	Light Compaction	IS: 2720 (Part VII)				
(iii)	CBR	IS:2720(Part-16)				
Product code : S & R-4			Product : Soil			
(i)	Direct Shear test (CU)	IS 2720 (Part-13)	INR 12000.00	Equivalent to USD 290	LPTM/SOIL/A03/25	Running
(ii)	Tri-axial without pore water pressure (UU)	IS 2720 (Part-11)				
(iii)	Unconfined Compressive Strength	IS 2720 (Part-10)				
Product code : S & R-5			Product : Natural Stone			
(i)	Compressive Strength	IS: 1121 (Part-1)	INR 14000.00	Equivalent to USD 400	LPTM/NAST/A16/24	Running
(ii)	True Specific Gravity	IS: 1122				
(iii)	Apparent Specific Gravity	IS: 1124				
(iv)	Apparent Porosity					
(v)	Water Absorption					
(vi)	Scratch Hardness (Moh's Scale)	IS 13630 (Part 13)				

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Sub Group - (A) SOIL & ROCK						
S.N o.	Parameters	Suggested method or any equivalent method	Fees		Round IDs	Tentative material dispatch schedule
			Indian CABs	Non-Indian CABs#		
Product code : S & R-6			Product : Natural Rock			
(i)	Unconfined compressive Strength	IS: 9143	INR 12000.00	Equivalent to USD 300	LPTM/NARC/A08/25	March-25
(ii)	Dry Relative Density	IS: 13030				
(iii)	Water Content					
(iv)	Optional Parameter: Point Load Index	IS: 8764	INR 4000.00	Equivalent to USD 100		
Product code : S & R-7			Product : Bentonite			
(i)	Sand Content	IS: 6186	INR 5000.00	Equivalent to USD 115	LPTM/BENS/A02/25	Feb-25
(ii)	Swelling Power					
(iii)	Moisture Content					
(iv)	Fineness					
Product code : S & R-8			Product : Soil			
(i)	Permeability(CH)	IS 2720 (Part-17)	INR 16000.00	Equivalent to USD 450	LPTM/SOIL/A14/24	Running
(ii)	Permeability(FH)					
(iii)	Consolidation (CC)	IS 2720 (Part 15)				
(iv)	Swelling Pressure	IS 2720 Part-41				
Product code : S & R-10			Product : Natural Rock			
(i)	Tensile Strength by Indirect test(Brazilian Test)	IS 10082	INR 16000.00	Equivalent to USD 425	LPTM/NARC/A04/25	March-25
(ii)	Poisson ratio	IS 9221				
(iii)	Modulus of elasticity					
Product code : S & R-9 ^s			Product : Soil (Field Testing)			
(i)	Field density by sand replacement method	IS 2720 Part-28	INR 12000.00	Equivalent to USD300	LPTM/SOIL/A05/25	Running
(ii)	Field density by core cutter method	IS 2720 Part-29				
(iii)	Rapid Determination of moisture content using calcium carbide	IS 2720 Part-2				
(iv)	Optional Parameter: Field CBR	IS 2720 Part-31	INR 5000.00	Equivalent to USD 115		

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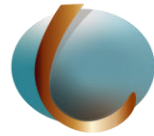
Sub Group - (A) SOIL & ROCK

S.No.	Parameters	Suggested method or any equivalent method	Fees		Round IDs	Tentative material dispatch schedule
			Indian CABs	Non-Indian CABs [#]		
Product code : S & R-12^{\$}			Product : Soil (Field Testing)			
(i)	Standard Penetration Test	IS 2131	INR 16000.00	Equivalent to USD 450	LPTM/SOIL/A22/24	Running

Product code : S & R-13^{\$}			Product : Soil (Field Testing)			
(i)	Static Plate Load Test	IS 1888	INR 14000.00	Equivalent to USD 300	LPTM/SOIL/A07/25	Running

Product code : S & R-15^{\$}			Product : Soil (Field Testing)			
(i)	Electrical resistivity test	IS:3043	INR 10000.00	Equivalent to USD250	LPTM/SOIL/A09/24	Running

^{\$} = PT rounds on field testing of soil are to be performed at PT provider's premises in Jaipur.

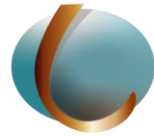


Sub Group - (B) AGGREGATE

S.No.	Parameters	Suggested method or any equivalent method	Fees		Round IDs	Tentative material dispatch schedule
			Indian CABs	Non-Indian CABs [#]		
Product code: AGGT-1			Product : Coarse Aggregate			
(i)	Los Angles Abrasion Value	IS: 2386(Part-IV)	INR 12000.00	Equivalence to USD 300	LPTM/COAG/B08 /24	Running
(ii)	Crushing Value					
(iii)	10% Fine Value					
(iv)	Impact Value					
(v)	Bulk Density	IS: 2386 (Part-III)				
(vi)	Soundness	IS:2386(Part-V)				

Product code: AGGT-2			Product : Fine Aggregate			
(i)	Sieve Analysis(Gradation)	IS: 2386 (Part-I)	INR 12000.00	Equivalence to USD 300	LPTM/FIAG/B02/ 25	Running
(ii)	Bulk Density (Compacted)	IS: 2386 (Part-III)				
(iii)	Materials finer than 75 μ	IS: 2386 (Part-I)				
(iv)	Water Absorption	IS: 2386 (Part-III)				
(v)	Specific gravity					
(vi)	Soundness	IS 2386 (Part V)				

Product code:AGGT-3			Product : Coarse Aggregate			
(i)	Sieve Analysis (Gradation)	IS: 2386 (Part-I)	INR 12000.00	Equivalence to USD 300	LPTM/COAG/B01 /25	Feb-25
(ii)	Water Absorption	IS: 2386 (Part-III)				
(iii)	Specific Gravity					
(iv)	Elongation Index	IS: 2386 (Part-I)				
(v)	Flakiness Index					
(vi)	Materials finer than 75 μ					



Sub Group - (C) CONCRETE						
S.No.	Parameters	Suggested method or any equivalent method	Fees		Round IDs	Tentative material dispatch schedule
			Indian CABs	Non-Indian CABs#		
Product code : CONC-1			Product : Hardened Concrete			
(i)	Compressive Strength (Cube/Core)	IS: 516(P-I/S-1)/ 516(P-4)	INR 12000.00	Equivalent to USD 300	LPTM/CONC/C06/25	Running
(ii)	Density	IS:516(Part2/Sec1):2018				
Product code : CONC-2			Product : Fresh Concrete			
(i)	Consistency (Slump Test)	IS 1199(P-2)	INR 12000.00	Equivalent to USD 300	LPTM/WOSL/C04/25	April 25
(ii)	Compressive strength by accelerated curing	IS 9013				
Product code: CONC-3			Product : Hollow & Solid CC Blocks			
(i)	Compressive Strength	IS:2185 (Part I)	INR 12000.00	Equivalent to USD 300	LPTM/COBL/C02/25	Feb 25
(ii)	Block Density					
(iii)	Water Absorption					
Product code : CONC-4			Product : Paver Blocks			
(i)	Compressive Strength	IS : 15658	INR 11000.00	Equivalent to USD 290	LPTM/PVBL/C03/25	Jan -25
(ii)	Water Absorption					
(iii)	Dimension					
(iv)	Optional parameter: Abrasion Resistance		INR 3000.00	Equivalent to USD 80		
(v)	Optional parameter Flexural Strength		INR 3000.00	Equivalent to USD 80		
Product code : CONC-5			Product : AAC Blocks			
(i)	Compressive Strength	IS: 6441 (Part-5)	INR 12000.00	Equivalent to USD 300	LPTM/AACB/C14/24	Running
(ii)	Moisture Content	IS: 6441 (Part-I)				
(iii)	Bulk Density	IS: 6441 (Part-I)				
Product code : CONC-6			Product : Concrete Tiles			
(i)	Abrasion Resistance Test	IS: 1237	INR 15000.00	Equivalent to USD 425	LPTM/TILE/C07/23	Running
(ii)	Straightness					
(iii)	Flatness					
(iv)	Water Absorption					
(v)	Perpendicularity					
(vi)	Wet Transverse Strength					

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Sub Group - (C) CONCRETE

S.No.	Parameters	Suggested method or any equivalent method	Fees		Round IDs	Tentative material dispatch schedule
			Indian CABs	Non-Indian CABs [#]		
Product code : CONC-7			Product : Hardened Concrete (Beam)			
(i)	Flexural strength test	IS 516(P-1/S-1)	INR 12000.00	Equivalent to USD300	LPTM/CONC/C01/25	Running
Product code : CONC-8			Product : Hardened Concrete (Cube)			
(i)	Split tensile strength test	IS 516 (P-1/S-1)	INR 12000.00	Equivalent to USD300	LPTM/CONC/C13/24	March 25
Product code : CONC-9			Product : Hardened Concrete (Cube)			
(i)	Permeability test	IS 3085:1965	INR 12000.00	Equivalent to USD300	LPTM/CONC/C13/23	Running
Product code: CONC-10			Product : Hardened Concrete (Core)			
(i)	RCPT	ASTM C 1202 or AASHTO T 277	INR 12000.00	Equivalent to USD300	LPTM/CONC/C07/24	Running
Product code: CONC-11			Product : Fresh Concrete			
(i)	Slump flow	IS 1199 (Part 6)	INR 12000.00	Equivalent to USD300	LPTM/WOSL/C05/25	April 25

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Sub Group - (D) CEMENT						
S.No.	Parameters	Suggested method or any equivalent method	Fees		Round IDs	Tentative material dispatch schedule
			Indian CABs	Non-Indian CABs [#]		
Product code : CEMT-1			Product : CEMENT (OPC & PPC)			
(i)	Compressive Strength	IS: 4031 (Pt-6)	INR 12000.00	Equivalent to USD 300	LPTM/CEMT/D02/25	Running
(ii)	Consistency	IS: 4031 (Pt-4)				
(iii)	Setting Time Initial & Final	IS: 4031 (Part-5)				
(iv)	Density	IS: 4031 (Pt-11)				
(v)	Fineness (By Blain Air)	IS: 4031 (Part 2)				
(vi)	Soundness (Le-Chatelier method)	IS: 4031(Pt-3)				
Product code : CEMT-2			Product : Fly Ash			
(i)	Soundness (Autoclave)	IS: 1727	INR 8000.00	Equivalent to USD 225	LPTM/FLAS/D01/25	Feb-25
(ii)	Fineness (By Blain Air)					
(iii)	Soundness (Le-Chatelier method)					
(iv)	Residue on 45 micron					
(v)	Specific Gravity					
(vi)	Setting Time					
(vii)	Consistency					
(viii)	Compressive Strength					
Product code : CEMT-4			Product : Tile Bond Adhesive			
(i)	Open time	IS 15477	INR 10000.00	Equivalent to USD 285	LPTM/TBAD/D04/24	Mar-25
(ii)	Adjustment time					
(iii)	Slip test					

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Sub Group - (E) BITUMEN

S.No.	Parameters	Suggested method or any equivalent method	Fees		Round IDs	Tentative material dispatch schedule
			Indian CABs	Non-Indian CABs [#]		
Product code : BITU-1			Product : Bitumen			
(i)	Specific Gravity	IS: 1202	INR 14000.00	Equivalent to USD 400	LPTM/BITU/ E03/25	Feb -25
(ii)	Softening Point	IS: 1205				
(iii)	Penetration Test	IS: 1203				
(iv)	Ductility Test	IS: 1208				
(v)	Flash Point	IS: 1209				
(vi)	Solubility in Trichloroethylene	IS: 1216				
(vii)	Absolute Viscosity at 60°C	ASTM D 4402/IS 1206 (part-2)				
(viii)	Kinematic Viscosity at 135°C	ASTM D 4402/ IS 1206 (part-3)				
(ix)	Wax Content	IS 10512				

Product code : BITU-2			Product : Bituminous Mix/Core			
(i)	Bitumen Content	IRC SP -112	INR 14000.00	Equivalent to USD 450	LPTM/BTMX/E02/25	April-25
(ii)	Density	ASTM D-2726				
(iii)	Marshall Stability	ASTM D-6927				
(iv)	Optional parameter: Maximum Theoretical Specific Gravity (G _{mm})	ASTM D-2041-	INR 1000.00			
(v)	Optional parameter: Tensile Strength Ratio	IRC SP 79 (Annex-E)	INR 1000.00			

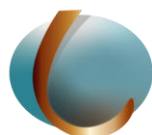
Product code : BITU-3			Product : Bitumen Emulsion			
(i)	Residue on 600 micron	IS : 8887(Annex B)	INR 15000.00	Equivalent to USD 425	LPTM/BIEM/E01/25	Feb-25
(ii)	Viscosity by Saybolt furol viscometer at 25°C & 50°C	IS : 3117				
(iii)	Water content	IS:1211				
(iv)	Residue by Evaporation	i) IS : 8887Annexure – J				
	Penetration	ii) IS:1203				
	Ductility	iii)IS:1208				
	Solubility in Trichloroethylene	iv) IS:1216				

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Sub Group - (E) BITUMEN

S.No.	Parameters	Suggested method or any equivalent method	Fees		Round IDs	Tentative material dispatch schedule
			Indian CABs	Non-Indian CABs [#]		
Product code : BITU-4			Product : Polymer Modified Bitumen			
(i)	Flash Point	IS 1448 P-69	INR 14000.00	Equivalent to USD 400	LPTM/PMBT/E04/24	Running
(ii)	Softening Point	IS: 1205				
(iii)	Penetration Test	IS: 1203				
(iv)	Elastic Recovery on PMB	IS: 15462				
(v)	Separation Difference in Softening Point	IS 15462 (Annex C)				
(vi)	Test On Residue					
	a. Increase in Softening Point	IS 1205				
	b. Reduction in Penetration	IS 1203				

Product code : BITU-5			Product : Bitumen Emulsion			
(i)	Particle charge	IS 8887	INR 15000.00	Equivalent to USD 425	LPTM/BIEM/E05/23	Running
(ii)	Storage stability after 24 hr.					
(iii)	Coating ability and water resistance					
(iv)	Stability to mixing with cement					
(v)	Miscibility with water					
(vi)	Distillation Test	IS 1213				
(vii)	Coagulation of emulsion at low temperature	IS 8887				

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Sub Group - (F) TEXTILE MATERIAL

S.No.	Parameters	Suggested method or any equivalent method	Fees		Round IDs	Tentative material dispatch schedule
			Indian CABs	Non-Indian CABs#		
Product code : TEXT-2			Product : Geotextiles			
(i)	Wide Width Tensile Strength	IS 16635/ ASTM D 4595	INR 15000.00	Equivalent to USD 400	LPTM/GETX/ F01/25	Feb-25
(ii)	Static Puncture Strength (CBR Push Through)	ASTM D6241:2014				
(iii)	Trapezoid Tearing Strength	ASTM D 4533/ IS 14293				
(iv)	Mass per unit area	IS 14716:2021				
(v)	Grab Breaking Load	ASTM D 4632				
(vi)	Index Puncture Resistance	ASTM D 4833				
(vii)	Thickness	ASTM D5199/ IS 13162 part 3				

Product code : TEXT-1

Product : Geogrids

(i)	Tensile Strength	ASTM D 6637:2001	INR	Equivalent to USD 300	LPTM/GECD/ F01/24	Running
(ii)	Thickness (RIB and Junction)	ASTM D 5199:2011 2	12000.00			

Product code : TEXT-3

Product : Fabric

(i)	Mass Per Unit Area	IS 7016 : Pt 1 :Sec 2	INR 8000.00	Equivalent to USD 225	LPTM/FABR/ F02/23	Running
(ii)	Tear Resistance	IS 7016 : Pt 3:Sec 1				
(iii)	Tensile Strength	IS 7016 : Pt 2				
(iv)	Bursting Strength by Diaphragm Bursting	IS 1966 (Pt 1)/ASTM D 3786				
(v)	Threads Per Unit Length	IS 1963: 2004				
(vi)	Breaking Strength (Grab Test)	ASTM D5034/IS 1969 (PT-2)				
(vii)	Bursting Strength by Ball Burst	ASTM D 3787				
(viii)	Breaking Force by Strip Method	ASTM D 5035/IS 1969 (Pt 1)				

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Sub Group - (G) OTHERS

S.No.	Parameters	Suggested method or any equivalent method	Fees		Round IDs	Tentative material dispatch schedule
			Indian CABs	Non-Indian CABs [#]		
Product code : TILE-1			Product : Ceramic/Vitrified Tiles			
(i)	Rectangularity	IS 13630 (Part 1)	INR 15000.00	Equivalent to USD 425	LPTM/TILE/G07/24	Running
(ii)	Straightness					
(iii)	Scratch Hardness of Surface (Moh's Scale)	IS 13630 (Part 13)				
(iv)	Modulus of Rupture	IS 13630 (Part 6)				
(v)	Breaking Strength					
(vi)	Water Absorption	IS 13630 (Part 2)				
(vii)	Bulk Density					

Product code : BRIC-1			Product : Building Bricks			
(i)	Compressive Strength	IS: 3495 (Pt -I)	INR 12000.00	Equivalent to USD 300	LPTM/BRIC/G02/25	Running
(ii)	Water Absorption	IS:3495 (Pt -II)				
(iii)	Dimension Test	IS:1077 or IS:12894				

Product code : WOOD-1			Product : Timber & Plywood			
(i)	Moisture Content	IS:1708(Part-I)	INR 12000.00	Equivalent to USD 300	LPTM//WOOD/G01/25	Feb-25
(ii)	Specific Gravity	IS:1708(Part-II)				
(iii)	Density (In Plywood)	IS: 303, IS:1734				
(iv)	Squareness of plywood					
(v)	Edge straightness of plywood					
(vi)	Moisture Content (In Plywood)					

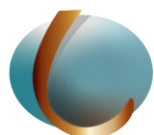
Product code : PIPE-1			Product : Thermoplastic & G.I. Pipe			
(i)	Dimensions (GI pipe) a. Outside Diameter, b. Thickness	IS: 1239 (Part-1)	INR 10000.00	Equivalent to USD 285	LPTM/PIPE/G03/25	March -25
(ii)	Nominal Mass (GI pipe)					
(iii)	Dimensions (PVC Pipe) Wall Thickness & Mean Outside Diameter	IS: 12235 (Part-1)				
(iv)	Density (in thermoplastic pipe)	IS: 12235 (Part-14)				
(v)	Vicat Softening Temperature	IS: 12235 (Part-2)				
(vi)	Tensile Strength Test	IS: 12235 (Part-13)				

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Sub Group - (G) OTHERS

S.No	Parameters	Suggested method or any equivalent method	Fees		Round IDs	Tentative material dispatch schedule
			Indian CABs	Non-Indian CABs [#]		
Product code : WBMB-1			Product : Water Bound Macadam Sub Base /Base			
(i)	Impact Value	IS: 2386(Part-IV)	INR 15000.00	Equivalent to USD 400	LPTM/WBMB/G04/24	March 25
(ii)	Wet Impact Value	IS 5640				
(iii)	Los Angles Abrasion Value	IS: 2386(Part-IV)				
(iv)	Combined EI and FI	IS: 2386(Part-I)				
(v)	Water Absorption	IS: 2386(Part-III)				
(vi)	Sieve Analysis (Gradation)	IS 2720 P-4				
(vii)	Plastic Limit	IS: 2720 (Part 5)				
(viii)	Liquid Limit	IS-2720 (Part 5)				

Product code : WMMB-1			Water Mix Macadam Sub Base /Base			
(i)	Impact Value	IS: 2386(Part-IV)	INR 15000.00	Equivalent to USD 400	LPTM/WMMB/G05/24	March 25
(ii)	Los Angles Abrasion Value					
(iii)	Combined EI and FI	IS: 2386(Part-I)				
(iv)	Water Absorption	IS: 2386(Part-III)				
(v)	Sieve Analysis (Gradation)	IS 2720 P-4				
(vi)	Plastic Limit	IS: 2720 (Part 5)				
(vii)	Liquid Limit					
(viii)	OMC-MDD	IS 2720 P-8				

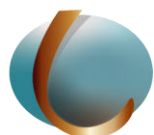
Product code : GSBB-1			Product : Granular Sub Base			
(i)	Impact Value	IS: 2386(Part-IV)	INR 15000.00	Equivalent to USD 400	LPTM/GSBB/G06/24	Running
(ii)	Los Angles Abrasion Value					
(iii)	Water Absorption	IS: 2386(Part-III)				
(iv)	Sieve Analysis (Gradation)	IS 2720 P-4				
(v)	Plastic Limit	IS: 2720 (Part 5)				
(vi)	Liquid Limit					
(vii)	OMC-MDD	IS 2720 P-8				
(viii)	CBR	IS 2720 P-40				

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Sub Group - (I) METALS & ITS ALLOYS

S.No	Parameters	Suggested method or any equivalent method	Fees		Round IDs	Tentative material dispatch schedule
			Indian CABs	Non-Indian CABs [#]		

Product code : METL-1 Product : TMT Bars

(i)	Tensile Strength	IS 1608 & IS 1786	INR 12000.00	Equivalent to USD 300	LPTM/TMTB/I01/25	Jan 25
(ii)	Yield Stress					
(iii)	Elongation					
(iv)	Mass per Meter Length					
(v)	Bend	IS 1599				
(vi)	Rebend	IS 1786				

Product code : METL-2 Product : Structural Steel

(i)	Tensile Strength	IS 1608 (Part 1) & ISO 6892	INR 12000.00	Equivalent to USD 300	LPTM/STEL/I02/25	Mar-25
(ii)	Yield Stress					
(iii)	Elongation					

Product code : METL-4 Product : Strand Wire

(i)	Breaking Strength	IS 1608	INR 12000.00	Equivalent to USD 285	LPTM/WIRE/I11/24	Running
(ii)	0.2% Proof Load					
(iii)	Elongation					
(iv)	Dimension	IS 14268				
(v)	Mass per Meter Length					
(vi)	Tensile strength					
(vii)	Length of Lay					

Product code : METL-6 Product : Metal Splice (Reinforcement Coupler)

(i)	Tensile strength	IS 1608	INR 14000.00	Equivalent to USD 400	LPTM/COUP/I13/24	Running
(ii)	Total elongation at maximum force					
(iii)	Location of failure	IS 16172				

Product code : METL-5 Product : G.I. Sheet Metal

(i)	Mass of Zinc coating	IS 6745	INR 5000.00	Equivalent to USD 115	LPTM/ZINC/I03/25	May 2025
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Product code : METL-7 Product : Rockwell Hardness

(i)	HRB	ASTM E18, IS1586 (P-1), ISO 6508 (P-1)	INR 10000	Equivalent to USD 285	LPTM/METL/I03/24	Running
(ii)	HRC					

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Sub Group - (I) METALS & ITS ALLOYS

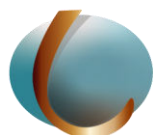
S.No	Parameters	Suggested method or any equivalent method	Fees		Round IDs	Tentative material dispatch schedule
			Indian CABs	Non-Indian CABs#		
Product code : METL-8			Product : Brinell Hardness			
(i)	[(HBW) 10/3000]	ASTM E10, IS 1500 (P-1),ISO 6506-1,)	INR 10000	Equivalent to USD 285	LPTM/METL/I04/24	Running
(ii)	[(HBW) 5/750]					
Product code: METL-9			Product : Vickers Hardness			
(i)	HV 30	ASTM E 92, IS 1501 (P-1),ISO 6507 (P-1))	INR 10000	Equivalent to USD 285	LPTM/METL/I05/24	March 25
(ii)	HV 10					
(iii)	HV 5					
Product code: METL-10			Product : Metallography (Grain Size Number)			
(i)	Grain Size	ASTM E 1382/ IS 4748/ISO 643	INR 6000	Equivalent to USD 200	LPTM/METL/I06/24	March 25
Product code: METL-11			Product : Charpy Impact			
(i)	Charpy Impact notch test at 25°C (V Notch)	ASTM A370/ ASTM E 23	INR 6000	Equivalent to USD 200	LPTM/METL/I07/24	March 25
Product code : METL-12			Product : Metal (IGC)			
(i)	Intergranular Corrosion Test (Practice E)	ASTM A262 (PRACTICE E)	INR 6000	Equivalent to USD200	LPTM/METL/I08/24	March 25
Product code : METL-13			Product : Metal (Case Depth)			
(i)	Case Depth Measurement	ASTM E1077/ IS 6416/ BS EN ISO 18203	INR 6000	Equivalent to USD 200	LPTM/METL/I09/24	March 25
Product code : METL-3			Product : Low Alloy Steel			
(i)	Carbon, Sulphur, Phosphorus , Manganese, Silicon, Copper, Chromium, Nickel, Aluminum, Molybdenum, Vanadium	ASTM E415 / IS 8811 / IS228 / ASTM E350/JIS G1253	INR 8000.00	Equivalent to USD 225	LPTC/STEL/ K03/25	Feb-25

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Sub Group - (I) METALS & ITS ALLOYS

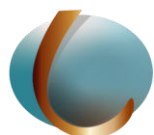
S.No	Parameters	Suggested method or any equivalent method	Fees		Round IDs	Tentative material dispatch schedule
			Indian CABs	Non-Indian CABs#		
Product code : METL-14			Product : Aluminium Alloy			
(i)	Magnesium , Manganese , Silicon , Titanium , Vanadium (V), Zinc , Chromium , Copper , Iron	ASTM E1251/ IS 11035	INR 8000.00	Equivalent to USD 225	LPTC/STEL/ I04/25	Feb-25
Product code : METL-14			Product : Stainless Steel			
(i)	Carbon , Chromium , Cobalt , Copper , Manganese , Molybdenum , Nickel , Niobium , Nitrogen , Phosphorous, Silicon , Sulphur , Vanadium	ASTM E1086/ IS 9879/ JIS G1253	INR 8000.00	Equivalent to USD 225	LPTC/STEL/ I05/25	Feb-25

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Sub Group - (L) PAPER & RUBBER & PLASTIC

S.No.	Parameters	Suggested method or any equivalent method	Fees		Round IDs	Tentative material dispatch schedule
			Indian CABs	Non-Indian CABs#		
Product code : RUBR-I			Product : Rubber			
(i)	Tensile Strength	IS 3400 Part - 1	INR 12000.00	Equivalent to USD 300	LPTM/RUBR/L01/25	Mar-25
(ii)	Shore A hardness	IS 3400 Part - 23 section 1				
(iii)	Tear Strength	IS 3400 Part - 12				
(iv)	Density	IS 3400 Part - 9				
(v)	Ash Content,	IS 3400 Part - 22				
(vi)	Carbon Black content					
(vii)	Rubber Polymer Content					

Product code : PAPER-I			Product : Paper			
(i)	Grammage	IS 1060 Part 5	INR 12000.00	Equivalent to USD 300	LPTM/PAPER/L01/24	Feb-25
(ii)	Tensile strength					
(iii)	Thickness					
(iv)	Cobb Test					
(v)	Burst strength	IS 1060 Part 6 Sec 2				
(vi)	Ash Content	IS 1060 Part 1				
(vii)	pH					

Product code : PLST-I			Product : Plastic & Polymer			
(i)	Tensile Strength	IS 13360 (Part 5 Sec 1)	INR 10000.00	Equivalent to USD 285	LPTM/PLST/L02/24	Running
(ii)	Vicat Softening Point	IS 13360 (Part 6 Sec 1)				
(iii)	Melt Flow Index	ASTM D 1238				
(iv)	Density	IS 13360 (Part 3 Sec10)				
(v)	Tear Resistance	IS 2508				

Product code : PLST-II			Product : Plastic & Polymer (Chemical)			
(i)	Carbon Black Content	ASTM D 4218	INR 10000.00	Equivalent to USD 285	LPTC/PLST/L04/24	Feb-25
(ii)	Ash Content	ASTM D 5630				
(iii)	Volatile Loss	ASTM D 1203				
(iv)	Melting Point	IS 13360 (Part 6/Sec 10)				
(v)	Identification of Polymer	ASTM D3677				

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GROUP -II
NON DESTRUCTIVE
TESTING



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Sub Group - (H) Non Destructive Testing

S.No.	Parameters	Suggested method or any equivalent method	Fees		Round IDs	Tentative material dispatch schedule
			Indian CABs	Non-Indian CABs [#]		
Product code: NDTC -1^{\$}			Product : Reinforced Concrete (At PTP's premises)			
(i)	UPV	IS: 516 Part 5 Sec 1	INR 12000.00	Equivalent to USD 300	LPTN/NDTC/H02/25	Running
(ii)	Rebound hammer	IS: 516 Part 5 Sec 4				
(iii)	Half Cell Potential	ASTM C876-91				
(iv)	Carbonation test	BS 1881 (Part 201)				
(v)	Cover Depth	ASTM E 3013				
Product code: NDTC -2^{\$}			Product : Reinforced Concrete Piles (At PTP's premises)			
(i)	Determination of length by pile integrity method	ASTM D-5882 (RA 2007)/ IS 14893	INR 12000.00	Equivalent to USD 300	LPTN/NDTC/H01/25	Running
Product code: NDTR-3^{\$}			Product : Road Pavements (At PTP's premises)			
(i)	Deflection Measurement of Pavement using Benkelman Beam Deflection Test	IRC 81	INR 20000.00	Equivalent to USD 500	LPTN/NDTC/H02/24	Running
Product code: NDTC-4^{\$}			Product : Reinforced Concrete Piles (At PTP's premises)			
(i)	Uplift Capacity of Concrete Pile	IS 2911 Part 4	INR 20000.00	Equivalent to USD 500	LPTN/NDTC/H03/24	Running
(ii)	Lateral Load Capacity of concrete Pile					
Product code: NDTC-10^{\$}			Product : Reinforced Concrete Piles (At PTP's premises)			
(i)	Pile Load Capacity	IS 2911 Part 4	INR 20000.00	Equivalent to USD 500	LPTN/NDTC/H12/24	Running

^{\$} = PT rounds on NDT of concrete is to be performed at PT provider's premises in Jaipur.

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Sub Group - (H) Non Destructive Testing						
S.N o.	Parameters	Suggested method or any equivalent method	Fees		Round IDs	Tentative material dispatch schedule
			Indian CABs	Non-Indian CABs[#]		
Product code: NDTM-5			Product : Ferrous Metals (Samples will be sent to participants)			
(i)	Ultrasonic Thickness Gauging	ASME Section V	INR 12000.00	Equivalent to USD 300	LPTN/NDTM/H11/24	Running
Product code: NDTM-6			Product : Ferrous Metals (Samples will be sent to participants)			
(i)	Ultrasonic Testing	ASME Section V	INR 12000.00	Equivalent to USD 300	LPTN/NDTM/H09/24	Running
Product code: NDTM-7			Product : Ferrous Metals (Samples will be sent to participants)			
(i)	Liquid Penetrant Testing	ASME Section V	INR 12000.00	Equivalent to USD 300	LPTN/NDTM/H10/24	Running
Product code: NDTM-8			Product : Ferrous Metals (Samples will be sent to participants)			
(i)	Magnetic Particle testing	ASME Section V	INR 12000.00	Equivalent to USD 300	LPTN/NDTM/H05/24	Running
Product code: NDTM-11			Product : Ferrous Metals (Forging) (Samples will be sent to participants)			
(i)	Ultrasonic Testing	ASME Section V	INR 12000.00	Equivalent to USD 300	LPTN/NDTM/H03/25	Running

\$ = PT rounds on NDT of concrete is to be performed at PT provider's premises in Jaipur.



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**GROUP -III
CHEMICAL TESTING**



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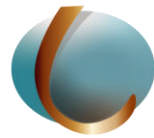
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Sub Group - (J) COAL

S.No.	Parameters	Suggested method or any equivalent method	Fees		Round IDs	Tentative material dispatch schedule
			Indian CABs	Non-Indian CABs#		
Product code : COAL-1			Product : Coal			
(i)	Moisture Content	IS 1350 (P 1)	INR 12000.00	Equivalent to USD 275	LPTC/COAL/J01/25	Running
(ii)	Ash Content	IS 1350 (P 1)				
(iii)	Volatile Matter	IS 1350 (P 1)				
(iv)	Gross Calorific Value	IS 1350 (P 2)				
(v)	Total Sulphur	IS 1350 (P 3)				
Product code : COAL-2			Product : Coke			
(i)	Moisture Content	IS 1350 (P 1)	INR 12000.00	Equivalent to USD 300	LPTC/COAL/J02/25	April 25
(ii)	Ash Content	IS 1350 (P 1)				
(iii)	Volatile Matter	IS 1350 (P 1)				
(iv)	Gross Calorific Value	IS 1350 (P 2)				



Sub Group - (K) BUILDING MATERIALS - CHEMICAL TESTING

S.No.	Parameters	Suggested method or any equivalent method	Fees		Round IDs	Tentative material dispatch schedule
			Indian CABs	Non-Indian CABs [#]		
Product code : S&R-11			Product : Soil			
(i)	pH Value	IS:2720 (Part-26)	INR 8000.00	Equivalent to USD 225	LPTC/SOIL/K01/25	March 25
(ii)	Chloride Content	BS EN 1377 Pt 2				
(iii)	Sulphate Content	IS:2720 (Part-27)				
(iv)	Organic Matter	IS 2720 (Part 22)				
(v)	Organic Carbon	ICAR Manual				
(vi)	Electrical Conductivity	ICAR Manual				
(vii)	Available Nitrogen	ICAR Manual				
Product code : CEMT-3			Product : Cement (OPC & PPC)			
(i)	LOI, CaO, MgO, SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , IR, SO ₃ . Cl	IS:4032	INR 8000.00	Equivalent to USD 225	LPTC/CEMT/K04/25	Feb-25
Product code : METL-3			Product : Low Alloy Steel			
(i)	Carbon, Sulphur, Phosphorus , Manganese, Silicon, Copper, Chromium, Nickel, Aluminum, Molybdenum, Vanadium	ASTM E415 / IS 8811 / IS228 / ASTM E350	INR 8000.00	Equivalent to USD 225	LPTC/STEL/ K03/25	Feb-25
Product code : AGGT-4			Product : Aggregate			
(i)	Chloride Content	BS EN 1744 (1)	INR 8000.00	Equivalent to USD 225	LPTC/AGGT/K12/24	Running
(ii)	Sulfate Content					
(iii)	Reduction in Alkalinity	IS 2386 (Part 7)				
(iv)	Dissolved Silica					
Product code : ADMX-1			Product : Admixture			
(i)	pH Value	IS : 9103-1999	INR 8000.00	Equivalent to USD 225	LPTC/ADMX/ K05/25	March 25
(ii)	Relative Density					
(iii)	Dry Material Content					
(iv)	Ash Content					
(v)	Chloride Ion Concentration					
Product code : CONC-10			Product : Hardened Concrete			
(i)	Water-Soluble Sulphate	BS 1881(P-124)	INR 8000.00	Equivalent to USD 225	LPTC/CONC/K05/24	Running
(ii)	Acid Soluble Chloride	IS 14959(P-2)				

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Sub Group - (K) BUILDING MATERIALS – CHEMICAL TESTING

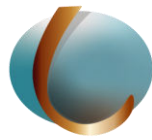
S.No.	Parameters	Suggested method or any equivalent method	Fees		Round IDs	Tentative material dispatch schedule				
			Indian CABs	Non-Indian CABs#						
Product code : CEMT-5			Product : Fly Ash							
(i)	Silicon Dioxide	IS 1727	INR 8000.00	Equivalent to USD 225	LPTC/FLAS/K13/24	Jan 25				
(ii)	Reactive silica									
(iii)	Aluminum Oxide									
(iv)	Iron oxide									
(v)	Magnesium Oxide									
(vi)	Total Sulphur (as Sulphur Trioxide)									
(vii)	Loss on Ignition	IS 4032								
(viii)	Total Chlorides									
Product code : CEMT-6			Product : Micro silica							
(i)	Silicon Dioxide	IS 1727	INR 8000.00	Equivalent to USD 225	LPTC/MISI/K09/24	Running				
(ii)	Retained on 45 μ									
(iii)	Loss on Ignition									
(iv)	Moisture content	IS 15388								
Product code : CEMT-7			Product : GGBS							
(i)	Moisture content	IS 16714 Annex A	INR 8000.00	Equivalent to USD 225	LPTC/GGBS/K11/24	Running				
(ii)	Fineness	IS 16714/ IS 4032								
(iii)	Slag activity									
(iv)	Density									
(v)	Manganese Oxide	IS 4032								
(vi)	Magnesium Oxide									
(vii)	Sulphate									
(viii)	Insoluble Residue									
(ix)	Loss on Ignition									
(x)	Alumina Oxide									
(xi)	Calcium Oxide)									
(xii)	Ferric Oxide (Fe ₂ O ₃)									
(xiii)	Silica (SiO ₂)									
(xiv)	Chloride Content									
Product code : PAINT-1			Product : Road Marking Paint							
(i)	Binder Content	BS 3262 (Part 1)	INR 8000.00	Equivalent to USD 225	LPTC/RMPT/K08/24	Jan 25				
(ii)	Glass Bead Content	AASHTO T 250								
(iii)	Softening Point	ASTM D 36								

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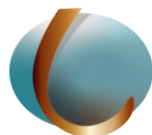
Sub Group - (N) WATER						
S.No	Parameters	Suggested method or any equivalent method	Fees		Round IDs	Tentative material dispatch schedule
			Indian CABs	Non-Indian CABs#		
Product code : WATR-1			Product : Construction water			
(i)	pH	IS:3025 (Part-11)	INR 8000.00	Equivalent to USD 225	LPTC/WATR/ K02/25	Feb -25
(ii)	Chloride (as Cl)	IS:3025 (Part-32)				
(iii)	Sulphate (as SO ₃)	IS:3025 (Part-24)				
(iv)	Organic Matter Content	IS:3025 (Part-18)				
(v)	Inorganic Matter Content					
(vi)	Volume of 0.02 N NaOH Required to Neutralize 100ml Sample using Phenolphthalein Indicator	IS:3025 (Part-22)				
(vii)	Volume of 0.02 N H ₂ SO ₄ Required to Neutralize 100ml Sample using Mixed Indicator	IS:3025 (Part-23)				
(viii)	Total Suspended Solid	IS:3025 (Part-17)				
Product code : WATR-2			Product : Drinking water			
(i)	pH	IS:3025 (Part-11)	INR 8000.00	Equivalent to USD 225	LPTC/WATR/ N04/24	Jan 25
(ii)	Chloride (as Cl)	IS:3025 (Part-32)				
(iii)	Sulphate (as SO ₄)	IS:3025 (Part-24)				
(iv)	Total Hardness	IS:3025 (Part-21)				
(v)	TDS	IS:3025 (Part-16)				
(vi)	Fluoride (as F)	IS:3025 (Part-60)				
(vii)	Calcium (as Ca)	IS:3025 (Part-40)				
(viii)	Magnesium	IS:3025 (Part-46)				
(ix)	Total Alkalinity	IS:3025 (Part-23)				
Product code : WATR-3			Product : Waste Water			
(i)	pH	IS 3025 (P-11)	INR 8000.00	Equivalent to USD 225	LPTC/WATR/ N01/25	March 25
(ii)	Total Dissolved Solids	IS 3025 (P-16)				
(iii)	Total Suspended Solid	IS 3025 (P-17)				
(iv)	Oil & Grease	IS 3025 (P-39)				
(v)	COD	IS 3025 (P-58)				
(vi)	BOD	IS 3025 (P-44)				
(vii)	Phosphate	IS 3025 : P-31 : Sec 1)				
(viii)	Total kjeldahl Nitrogen	APHA 24th Edition 2023/ IS 3025 part 34				
(ix)	Ammonical Nitrogen	APHA 24th Edition				
(x)	Sulphate as SO ₄	IS:3025 (Part-24)				
(xi)	Chloride as Cl	IS 3025 (P-32)				
(xii)	Nitrate as NO ₃	APHA 24th Edition 2023/ IS 3025 part 34				
(xiii)	Dissolved Oxygen	IS 3025 (P-38)				
(xiv)	Fluoride as F	APHA 24th Edition 2023/IS 3025 part 60				

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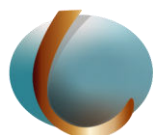
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Sub Group - (N) WATER

S.No	Parameters	Suggested method or any equivalent method	Fees		Round IDs	Tentative material dispatch schedule
			Indian CABs	Non-Indian CABs#		
Product code : WATR-4			Product : Heavy Metals in Drinking Water			
(i)	Lead as Pb	APHA 24th Edition 2023	INR 14000.00	Equivalent to USD 400	LPTC/WATR/ N03/24	April 25
(ii)	Arsenic as As					
(iii)	Nickel as Ni					
(iv)	cadmium as Cd					
(v)	Total Chromium as Cr					
(vi)	Copper as Cu					
(vii)	Manganese as Mn					
(viii)	Zinc as Zn					
(ix)	Molybdenum					
(x)	Antimony as Sb					
(xi)	Cobalt					
(xii)	Barium					
(xiii)	Mg and Ca					
(xiv)	K, Na, Fe					
Product code : WATR-5			Product : Swimming Pool Water			
(i)	pH	IS:3025 (Part-11)	INR 8000.00	Equivalent to USD 225	LPTC/WATR/ N02/25	Feb 25
(ii)	Chloride	IS 3025 (Part-32)				
(iii)	Residual Chlorine	IS 3025 (Part-26)				
(iv)	Alkalinity (as CaCO ₃)	IS:3025 (Part-23)				
(v)	Total Dissolved Solids	IS 3025 (P-16)				
Product code : WATR-6			Product : Ground/Surface Water			
(i)	pH	IS:3025 (Part-11)	INR 8000.00	Equivalent to USD 225	LPTC/WATR/ N03/25	March 25
(ii)	Electrical Conductivity	IS:3025 (Part-14)				
(iii)	Total Dissolved Solids	IS 3025 (P-16)				
(iv)	Dissolved Oxygen	IS:3025 (Part-38)				
(v)	Alkalinity (as CaCO ₃)	IS:3025 (Part-23)				
(vi)	Total Hardness	IS:3025 (Part-21)				
(vii)	Calcium (as Ca)	IS:3025 (Part-40)				
(viii)	Magnesium	IS:3025 (Part-46)				
(ix)	Total Suspended Solid	IS:3025 (Part-17)				



Sub Group - (M) FERTILIZER

S.No.	Parameters	Suggested method or any equivalent method	Fees		Round IDs	Tentative material dispatch schedule
			Indian CABs	Non-Indian CABs#		
Product code : FERT-VI			Product : NP Complex Fertilizer (DAP)			
(i)	Moisture	FCO: 1985 (Latest version)	INR 10000	Equivalent to USD 275	LPTC/FERT/M08/23	Running
(ii)	Particle size					
(iii)	Water soluble Phosphorus					
(iv)	Total nitrogen					
(v)	Ammonical nitrogen					
(vi)	Available phosphorus (as P ₂ O ₅)					
(vii)	Sulphate Sulphur					

Product code: FERT-VII			Product : Urea			
(i)	Moisture	FCO: 1985 (Latest version)	INR 10000	Equivalent to USD 275	LPTC/FERT/M09/23	Feb-25
(ii)	Particle size					
(iii)	Biuret					
(iv)	Total nitrogen					

Product code: FERT-I			Product : Straight Nitrogenous Fertilizers			
(i)	Moisture	FCO: 1985 (Latest version)	INR 10000	Equivalent to USD 275	LPTC/FERT/M01/23	Feb-25
(ii)	Ammonical Nitrogen					
(iii)	Free acidity (as H ₂ SO ₄)					
(iv)	Sulphate Sulphur (as S)					
(v)	Arsenic as (As ₂ O ₃)					

Product code: FERT-II			Product : Straight Phosphatic Fertilizers			
(i)	Moisture	FCO: 1985 (Latest version)	INR 10000	Equivalent to USD 275	LPTC/FERT/M01/25	Running
(ii)	Free phosphoric acid					
(iii)	Water soluble phosphorus (as P ₂ O ₅)					
(iv)	Sulphate Sulphur					
(v)	Particle size					
(vi)	Zinc					
(vii)	Boron					
(viii)	Available phosphorus					

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Sub Group - (M) FERTILIZER

S.No	Parameters	Suggested method or any equivalent method	Fees		Round IDs	Tentative material dispatch schedule
			Indian CABs	Non-Indian CABs#		

Product code: FERT-III Product : Straight Potassic Fertilizer

(i)	Moisture	FCO: 1985 (Latest version)	INR 10000	Equivalent to USD 275	LPTC/FERT/M08/24	Feb-25
(ii)	Water soluble potash content					
(iii)	Magnesium as MgCl ₂					
(iv)	Total Chloride					
(v)	Sulphate Sulphur					
(vi)	Particle size					

Product code: FERT-IV Product : Straight Sulphur Fertilizer

(i)	Moisture	FCO: 1985 (Latest version)	INR 10000	Equivalent to USD 275	LPTC/FERT/M06/24	April 25
(ii)	Total Elemental Sulphur (as S)					
(iii)	Particle size					

Product code: FERT-V Product : NPK Complex Fertilizer

(i)	Moisture	FCO: 1985 (Latest version)	INR 10000	Equivalent to USD 275	LPTC/FERT/M02/25	Feb 25
(ii)	Water soluble phosphates					
(iii)	Total nitrogen					
(iv)	Ammonical Nitrogen					
(v)	Water Soluble Potassium (as K ₂ O)					
(vi)	Available phosphorus					
(vii)	Particle size					
(viii)	Sulphate Sulphur					

Product code: FERT-X Product : Beneficiated Rock Phosphate

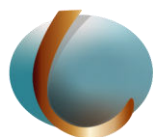
(i)	Moisture	FCO: 1985 (Latest version)	INR 10000	Equivalent to USD 275	LPTC/FERT/M03/25	March 25
(ii)	Total Phosphorus					

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Sub Group - (M) FERTILIZER

S.No	Parameters	Suggested method or any equivalent method	Fees		Round IDs	Tentative material dispatch schedule
			Indian CABs	Non-Indian CABs#		
Product code: FERT-XI			Product : Vermi Compost			
(i)	Moisture	FCO: 1985 (Latest version)	INR 10000	Equivalent to USD 285	LPTC/FERT/M03/24	Feb-25
(ii)	Particle Size					
(iii)	Bulk Density					
(iv)	Total Organic Carbon					
(v)	Nitrogen (N)					
(vi)	Phosphate (as P2O5)					
(vii)	Total potassium (as K2O)					

Product code: FERT-XII			Product : City Compost			
(i)	Moisture	FCO: 1985 (Latest version)	INR 10000	Equivalent to USD 285	LPTC/FERT/M04/24	Jan-25
(ii)	Particle Size					
(iii)	Bulk Density					
(iv)	Total Organic Carbon					
(v)	Nitrogen (N)					
(vi)	Phosphate (as P2O5)					
(vii)	Total potassium (as K2O)					
(viii)	pH					
(ix)	Conductivity					

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Sub Group - (P) ANIMAL FOOD & FEEDS

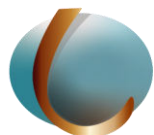
S.No.	Parameters	Suggested method or any equivalent method	Fees		Round IDs	Tentative material dispatch schedule
			Indian CABs	Non-Indian CABs [#]		
Product code : FEED-1			Product : Oil Cake			
(i)	Moisture	<i>IS 7874 Part 1</i>	INR 6000.00	Equivalent to USD 200	LPTC/FEED/P01/24	Feb -25
(ii)	Crude Fat					
(iii)	Crude Protein					
(iv)	Crude Fiber					
(v)	Nitrogen					
(vi)	Ash Content					
(vii)	Phosphorus & Ca	<i>IS 7874 Part 2</i>				

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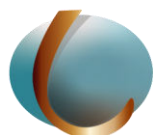


Sub Group - (R) ATMOSPHERIC POLLUTION

S.No.	Parameters	Suggested method or any equivalent method	Fees		Round IDs	Tentative material dispatch schedule
			Indian CABs	Non-Indian CABs#		
Product code : ENVR-1			Product : Ambient Air			
(i)	PM 10	IS 5182 (P-23): 2006 RA 2022	INR 3000.00	Equivalent to USD 80	LPTC/ENVR/R01/24	Running
(ii)	PM 2.5	IS 5182 (P-24): 2019				
(iii)	Sulphur Dioxide as SO ₂	IS 5182 : Part 2 : Sec 1 : 2023				
(iv)	Nitrogen Dioxide as NO ₂	IS 5182 (P-6): 2006 RA 2022				
(v)	Ammonia as Total Ammonia	IS 5182 (P-25): 2018				

Product code : ENVR-2			Product : Stack Monitoring			
(i)	Nitrogen Dioxide as NO ₂	IS 11255 (P-7): 2005	INR 3000.00	Equivalent to USD 80	LPTC/ENVR/R02/24	Running
(ii)	Particulate Matter	IS 11255 (P-1): 1985 RA 2019				
(iii)	Sulphur Dioxide as SO ₂	IS 11255 (P-2): 1985 RA 2019				

Product code : ENVR-3\$			Product : Noise			
(i)	Noise Level Measurement: Leq	IS 9989: 1981 RA 2020	INR 2500.00	Equivalent to USD 80	LPTC/ENVR/R03/24	Running



Sub Group - (S) FOOD & AGRICULTURAL PRODUCT

S.No.	Parameters	Suggested method or any equivalent method	Fees		Round IDs	Tentative material dispatch schedule
			Indian CABs	Non-Indian CABs#		
Product code : FOOD-1			Product : Spices			
(i)	Moisture	IS 1797 OR FSSAI Manual of Method of Analysis of Spices, Herbs and Condiments 2021	INR 6000.00	Equivalent to USD 200	LPTC/FOOD/S01/24	Running
(ii)	Total Ash					
(iii)	Ash Insoluble in HCl					
(iv)	Crude Fiber					
(v)	Non- Volatile Ether Extract					
(vi)	Volatile Ether Extract					
(vii)	Starch	IS:4706 (P-2) 1978 RA 2020 OR FSSAI Manual of Method of Analysis of Spices, Herbs and Condiments 2021				
(viii)	Test for Lead Chromate	IS:3576:2010 RA 2020				

Product code : FOOD-2 Product : Spices (Metals)

(i)	Lead	FSSAI Manual of Method of Analysis of Food Metals 2016	INR 12000.00	Equivalent to USD 300	LPTC/FOOD/S02/24	April 25
(ii)	Cadmium					
(iii)	Arsenic					
(iv)	Copper					

Product code : FOOD-3 Product : Cereals

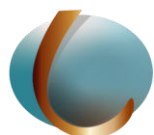
(i)	Moisture	IS 1155-2022 OR FSSAI Manual of Method of Analysis of Cereals and Cereals Products 2016	INR 6000.00	Equivalent to USD 200	LPTC/FOOD/S03/24	Feb-25
(ii)	Total Ash					
(iii)	Ash Insoluble in HCl					
(iv)	Gluten					
(v)	Alcoholic Acidity with 90% Alcohol expressed as H ₂ SO ₄					

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Sub Group - (S) FOOD & AGRICULTURAL PRODUCT

S.No	Parameters	Suggested method or any equivalent method	Fees		Round IDs	Tentative material dispatch schedule
			Indian CABs	Non-Indian CABs [#]		
Product code: FOOD-4			Product : Bakery			
(i)	Total Fat	IS 1011:2002	INR 6000.00	USD 200	LPTC/FOOD/S04/24	Feb-25
(ii)	Protein N x 6.25	IS 7219:1974				
(iii)	Carbohydrate	Calculation (IS 1656-2007)				
(iv)	Calorific Value	Calculation				
(v)	Sugar	IS 6287-1985 RA 2020				
(vi)	Moisture	IS 1011:2002				
(vii)	Total Ash	IS 1011:2002				
(viii)	Acid Insoluble Ash	IS 1011:2002				
(ix)	Acidity of Extracted Oil, expressed as Oleic Acid	IS 1011:2002				

Product code : FOOD-5			Product : OIL			
(i)	Moisture	IS 548 (P-1) Sec 1 2021	INR 6000.00	USD 200	LPTC/FOOD/S05/24	Feb-25
(ii)	Free Fatty Acids as Oleic Acid					
(iii)	Acid Value					
(iv)	Iodine Value (Wij's)					
(v)	Saponification Value					
(vi)	Specific Gravity @30°C					
(vii)	Refractive Index @40°C	FSSAI Manual of method of Oil and Fats 2016				
(viii)	BR Reading @40°C					

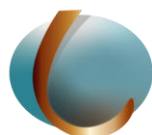
Product code : FOOD-6			Product : Honey			
(i)	Specific Gravity	IS 4941-1994 RA 2019	INR 6000.00	USD 200	LPTC/FOOD/S09/24	Feb-25
(ii)	Ash					
(iii)	Acidity as Formic Acid					
(iv)	Total Reducing Sugar					
(v)	Sucrose					
(vi)	Glucose Fructose Ratio					

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Sub Group - (S) FOOD & AGRICULTURAL PRODUCT

S.No.	Parameters	Method or Any Equivalent Method to the mentioned method	Fees		Round IDs	Tentative material dispatch schedule
			Indian CABs	Non-Indian CABs [#]		
Product code : FOOD-7			Product : Juice			
(i)	Acidity as Citric Acid	FSSAI Manual of method of Fruits and Vegetable Product 2016	INR 6000.00	USD 200	LPTC/FOOD/S06/24	Feb-25
(ii)	pH					
(iii)	Total Soluble Solids					

Product code : FOOD-8			Product : Sugar			
(i)	Moisture	FSSAI Manual of method of sugar and Sugar Product 2015	INR 6000.00	USD 200	LPTC/FOOD/S07/24	Feb-25
(ii)	Sucrose					
(iii)	Ash					

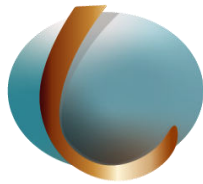
Product code : FOOD-9			Product : Tea			
(i)	Acid Insoluble Ash	FSSAI Manual of Method of Analysis of Beverages, Sugar & Sugar Products, Confectionary Products: 2016	INR 6000.00	USD 200	LPTC/FOOD/S08/24	Feb-25
(ii)	Added Coloring Matter					
(iii)	Alkalinity of Water Soluble Ash					
(iv)	Crude fiber					
(v)	Iron Fillings					
(vi)	Moisture					
(vii)	Total Ash					
(viii)	Water Extract					
(ix)	Water Soluble Ash of Total Ash					

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Note

\$ -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.

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

Italic Parameters are not under present scope of accreditation of PTP. Scope will be applied for accreditation.

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.

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

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

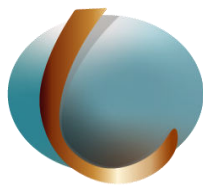
- i. To pay the actual cost of shipping, participants may ask the estimated cost by sending us an email. An estimate of competent courier service agency will be sent to them and they will be required to deposit the shipping cost along with PT fees
- ii. Or participant may choose to arrange the picking 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. 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.
- iv. Any equivalent method to the mentioned tests method can be used by participant.

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GENERAL PROTOCOL

LANDMARK Material Testing and Research Laboratory Pvt. Ltd 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 namely Landmark PT is an Accredited Proficiency Testing Service provider as per ISO 17043:2010 in many parameters & products and continually enhancing its existing scope. The objective of PT schemes is to provide an essential tool for demonstrating the competence of laboratory or participant.

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.

CRITERIA FOR ASSIGNED VALUE AND PERFORMANCE EVALUATION

The assigned value determination and performance evaluation is done through statistical methods as mentioned in ISO IEC 13528. Specific information is given in PT reports. Performance evaluation is done for all participants irrespective of their score values and value assignment is generally based on consensus values of all participants results after the removal of outliers as far as possible unless otherwise mentioned in the scheme documents or PT report.

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.

EXTERNAL SERVICE PROVIDER

Various aspects of the proficiency testing scheme can be done by competent external servicer provider, if required and PTP is responsible for this work. An information of such activities are duly indicated in PT report.

APPEALS & COMPLAINTS

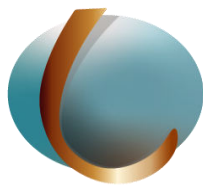
The participating laboratories may submit appeals or grievances, if any, to PT coordinator within one month after the issue of PT report.

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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.

HANDLING OF COMPLAINTS and APPEAL

Landmark PT has following procedure for handling of complaints and appeal:

- a. An independent committee, indiscriminately deals with the complaints/appeals.
- b. Complaints/appeals may be submitted directly to the committee by sending an email at SUPPORTPT@LRLLAB.COM comprising, but not limiting to the following.
 - (i) Name of your organization
 - (ii) Name & designation of the person submitting complaint/appeal
 - (iii) PT round ID, if any, related to complaint/appeal
 - (iv) Nature of complaint/appeal
 - (v) Detail of complaint/appeal
 - (vi) Contact details of complainant/appellant including phone number and email address
 - (vii) Detail of attachments if any
- c. Complaint/appeal if related to PT round, must be submitted within one month of issuance of report.
- d. Complaints/appeals are evaluated for substantiation first, while during the course of handling the committee may ask documents and other relevant information in support of complaint/appeal.
- e. The resolution/decision/progress/closure pertaining to handling of complaints/appeals are formally intimated to complainant/appellant and PT provider directly by the committee.
- f. Landmark PT is responsible for all decisions at all levels of handling process for complaints/appeals.

Date: 01.01.2025

Sd.
Nirbhay Mathur (PT Coordinator)

Contact Details:

Nirbhay Mathur,
PT Coordinator, Landmark PT,
Landmark Material Testing And Research Laboratory Pvt. Ltd.
G-200, RIICO Industrial Area, Mansarovar, Jaipur-302020(Rajasthan)
Phone No: +91-141-4022067, +91-9829056760
E-mail: LRLPTJPR@gmail.com

Disclaimer: The organization, Landmark Material Testing And Research Laboratory Pvt Ltd, is headed by Dr. Anil Dixit, who is an empaneled assessor of NABL also. It is worth mentioning that the services of Proficiency Testing (PT) provided by our organization remain entirely independent of Dr. Dixit's role as an NABL assessor. Participants are assured that their decision to avail or not to avail the PT services provided by our organization will have no bearing on any aspect of their assessment, if conducted by Dr. Dixit. Participants can make their decisions freely considering no prejudice and no favoritism during their assessments irrespective of their participation in PT services of organization.

END of the DOCUMENT

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