

---PT CALENDAR 2020---

(Building Material, Soil & Rock, NDT, Metals & its Alloy, Textile & Geosynthetics)

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|--|-----------------|-----------------------------|
| ❖ (A) Soil & Rock | ❖ (B) Aggregate | ❖ (C) Concrete, Paver block |
| ❖ (D) Cement | ❖ (E) Bitumen | ❖ (F) Textile |
| ❖ (G) Others- Bricks,
Tiles, Pipe, Wood etc | ❖ (H) NDT | ❖ (I) Metals & its Alloy |

Product & Parameters	Method	PT Round ID	Fees		Tentative PT Material Dispatch	
			INR	USD#		
GROUP-I (MECHANICAL): (A) SOIL & ROCK						
1. NATURAL STONE						
(i)	Compressive Strength	IS: 1121 (Part-1)-2013/ Any equivalent Method	LRL/PT/NAST /A05/19	15000.00	425	March 2020
(ii)	True Specific Gravity	IS: 1122-1974 /Any equivalent Method				
(iii)	Apparent Specific Gravity	IS: 1124-1974/Any equivalent Method				
(iv)	Apparent Porosity	IS: 1124-1974 /Any equivalent Method				
(v)	Water Absorption	IS: 1124-1974 /Any equivalent Method				
(vi)	Scratch Hardness (Mho's Scale)	IS 13630 (Part 13) : 2006				
2. SOIL						
(i)	Specific Gravity	IS: 2720 (Pt-III) Sec.1/2 – 1980, /Any equivalent Method	LRL/PT/SOIL/ A10/19	14000.00	400	Jan 2020
(ii)	Direct Shear test	IS 2720 (Part-13) 1986 RA 2011/Any equivalent Method				
(iii)	Tri-axial without pore water pressure	IS 2720 (Part-11) 1993/ Any equivalent Method				
(iv)	Unconfined Compressive Strength	IS 2720 (Part-10) 1991 /Any equivalent Method				
3. NATURAL ROCK						
(i)	Unconfined compressive Strength	IS: 9143-1979 /Any equivalent Method	LRL/PT/NARC/ A01/20	18000.00	500	March 2020
(ii)	Dry Relative Density	IS: 13030-1991 /Any equivalent Method				
(iii)	Water Content	IS: 13030-1991 /Any equivalent Method				
(iv)	Point Load Index	IS: 8764:1998/Any equivalent Method				
4. BENTONITE						
(i)	Sand Content	IS: 6186 1986 /Any equivalent Method	LRL/PT/BENS /A02/20	5000.00	115	March 2020
(ii)	Swelling Power	IS: 6186 1986 /Any equivalent Method				
(iii)	Moisture Content	IS: 6186 1986 /Any equivalent Method				
(iv)	Fineness	IS: 6186 1986 /Any equivalent Method				

Product & Parameters	Method	PT Round ID	Fees		Tentative PT Material Dispatch	
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5. SOIL						
(i)	Dry Sieve Analysis	IS: 2720 (Pt-IV)-1985/Any equivalent Method	LRL/PT/SOIL/A03/20	12000.00	340	15.02.2020
(ii)	Wet Sieve Analysis	IS: 2720 (Pt-IV)-1985, /Any equivalent Method				
(iii)	Hydrometer Analysis	IS: 2720 (Pt-IV)-1985, (Clause 5.2) /Any equivalent Method				
(iv)	Free Swell Index	IS 2720 (Part XL)-1977/Any equivalent Method				
6. SOIL						
(i)	Liquid Limit	IS: 2720 (Part 5)-1985 /Any equivalent Method	LRL/PT/SOIL/A04/20	12000.00	340	March 2020
(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 – 1980, /Any equivalent Method				
7. SOIL						
(i)	Heavy compaction	IS: 2720 (Part VIII)-1983 RA 2010/Any equivalent Method	LRL/PT/SOIL/A05/20	14000.00	400	April'2020
(ii)	Light Compaction	IS: 2720 (Part VII)-1980 RA 2011/Any equivalent Method				
(iii)	CBR	IS:2720(Part-16) 1987 RA 2011/Any equivalent Method				
GROUP-I (MECHANICAL): (B) AGGREGATE						
1. COARSE AGGREGATE						
(i)	Sieve Analysis (Gradation)	IS: 2386 (Part-I)-1963/ Any equivalent Method	LRL/PT/COA G/B09/19	10000.00	285	Running
(ii)	Water Absorption	IS: 2386 (Part-III)-1963 /Any equivalent Method				
(iii)	Specific Gravity	IS: 2386 (Part-III)-1963/ 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				
3. FINE AGGREGATE						
(i)	Sieve Analysis (Gradation)	IS: 2386 (Part-I)-1963 /Any equivalent Method	LRL/PT/FIAG/B07/19	12000.00	340	Jan 2020
(ii)	Bulk Density (Compacted)	IS: 2386 (Part-III)-1963 /Any equivalent Method				
(iii)	Materials finer than 75µ	IS: 2386 (Part-I)-1963 /Any equivalent Method				
(iv)	Sand Equivalent Value	IS 2720 Part (XXXVII): 1976/ Any equivalent Method				
(v)	Specific gravity	IS: 2386 (Part-III)-1963 /Any equivalent Method				
(vi)	Soundness	IS 2386 (Part V):1963 /Any equivalent Method				
(vii)	Water Absorption	IS: 2386 (Part-III)-1963 /Any equivalent Method				

Product & Parameters		Method	PT Round ID	Fees		Tentative PT Material Dispatch
				INR	USD#	
3. COARSE AGGREGATE						
(i)	Los Angles Abrasion Value	IS: 2386(Part-IV)-1963 /Any equivalent Method	LRL/PT/COAG/B01/20	12000.00	340	Feb 2020
(ii)	Crushing Value	IS: 2386(Part-IV)-1963 /Any equivalent Method				
(iii)	10% Fine Value	IS: 2386 (Part-IV)-1963 /Any equivalent Method				
(iv)	Bulk Density	IS: 2386 (Part-III)-1963 RA 2016/Any equivalent Method				
(v)	Impact Value	IS:2386(Part-IV)-1963 /Any equivalent Method				
(vi)	Soundness	IS:2386(Part-V)-1963 /Any equivalent Method				
GROUP-I (MECHANICAL): (C) CONCRETE						
1. CEMENT CONCRETE						
(i)	Workability by Slump Test	IS 1199:1959/Any equivalent Method	LRL/PT/WOSL/C02/19	7000.00	200	Feb 2020
2. HOLLOW & SOLID CONCRETE BLOCKS						
(i)	Compressive Strength	IS:2185 (Part I) Annex D:2005/Any equivalent Method	LRL/PT/COBL/C04/19	25000.00	700	Running
(ii)	Block Density	IS:2185 (Part I) Annex C:2005/Any equivalent Method				
(iii)	Water Absorption	IS:2185 (Part I) Annex E:2005/Any equivalent Method				
3. AAC BLOCK						
(i)	Compressive Strength	IS: 6441 (Part-5)-1972 RA 2012/Any equivalent Method	LRL/PT/AACB/C05/19	18000.00	500	Feb 2020
(ii)	Moisture Content	IS: 6441 (Part-I)-1972 RA 2012/Any equivalent Method				
(iii)	Bulk Density	IS: 6441 (Part-I)-1972 RA 2012/Any equivalent Method				
4. CONCRETE TILES						
(i)	Abrasion Resistance Test	IS: 1237-2012 /Any equivalent Method	LRL/PT/TILE/C07/19	15000.00	450	March 2020
(ii)	Straightness	IS: 1237-2012 /Any equivalent Method				
(iii)	Flatness	IS: 1237-2012 /Any equivalent Method				
(iv)	Water Absorption	IS: 1237-2012 /Any equivalent Method				
(v)	Perpendicularity	IS: 1237-2012 /Any equivalent Method				
5. PAVER BLOCKS						
(i)	Compressive Strength	IS : 15658 : 2006 RA 2011 Annex-D/Any equivalent Method	LRL/PT/PVBL/C01/20	15000.00	450	March 2020



Product & Parameters		Method	PT Round ID	Fees		Tentative PT Material Dispatch
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(ii)	Water Absorption	IS : 15658 : 2006 RA 2011 Annex-C/Any equivalent Method				
(iii)	Abrasion Resistance	IS :15658:2006 RA 2011 Annex-E/Any equivalent Method				
6. CONCRETE CUBE / CORE						
(i)	Compressive Strength	IS: 516-1959 / 516-2018(P-5) /Any equivalent Method	LRL/PT/CUBE / C02/20	18000.00	500	Feb 2020
GROUP-I (MECHANICAL): (D) CEMENT						
1. FLY ASH						
(i)	Soundness (Autoclave)	IS: 1727-1967RA 2013 /Any equivalent Method	LRL/PT/FLAS /D03/19	8000.00	225	March 2020
(ii)	Fineness (By Blain Air)	IS: 1727-1967RA 2013/ Any equivalent Method				
(iii)	Soundness (Le-Chatelier method)	IS:1727-1967RA 2013/ Any equivalent Method				
(iv)	Residue on 45 micron	IS:1727-1967RA 2013/ Any equivalent Method				
2. CEMENT						
(i)	Compressive Strength	IS: 4031 (Pt-6) 1988 /Any equivalent Method	LRL/PT/CEMT/ D01/20	8000.00	225	March,2020
(ii)	Consistency	IS: 4031 (Pt-4)-1988 /Any equivalent Method				
(iii)	Setting Time Initial & Final	IS: 4031 (Part-5) 1988 /Any equivalent Method				
(iv)	Density	IS: 4031 (Pt-11) 1988 /Any equivalent Method				
3. CEMENT						
(i)	Fineness Test (Dry)	IS: 4031(Part-1) 1996 /Any equivalent Method	LRL/PT/CEM T/D02/20	8000.00	225	May 2020
(ii)	Fineness (By Blain Air)	IS: 4031 (Part 2): 1999 /Any equivalent Method				
(iii)	Soundness (Autoclave)	IS: 4031 (Part 3) : 1988 /Any equivalent Method				
(iv)	Soundness (Le-Chatelier method)	IS: 4031(Pt-3) 1988 /Any equivalent Method				



Product & Parameters	Method	PT Round ID	Fees		Tentative PT Material Dispatch	
			INR	USD#		
GROUP-I (MECHANICAL) : (E) BITUMEN						
1. BITUMEN EMULSION						
(i)	Residue on 600 micron	IS : 8887(Annex B) – 2004 /Any equivalent Method	LRL/PT/BIEM /E02/19	16000.00	455	March 2020
(ii)	Viscosity by Saybolt furoil viscometer at 25°C	IS : 3117 – 2004 /Any equivalent Method				
(iii)	Water content	IS:1211-1978 /Any equivalent Method				
(iv)	Tests on Residue i)Residue by Evaporation ii) Penetration iii) Ductility iv)Solubility in Trichloroethylene	i) IS : 8887-2004 Annexure – J ii) IS:1203-1978 iii)IS:1208-1978 iv) IS:1216-1978 /Any equivalent Method				
2. BITUMINOUS MIX/CORE						
(i)	Bitumen Content	IRC SP -112 -2017/Any equivalent Method	LRL/PT/BTMX/ E03/19	16000.00	455	Running
(ii)	Maximum Theoretical Specific Gravity (G _{mm})	ASTM D-2041-00/Any equivalent Method				
(iii)	Marshall Stability	ASTM D-6927-2015/Any equivalent Method				
(iv)	Density	ASTM D-2726-2000/Any equivalent Method				
(v)	Tensile Strength Ratio	IRC SP 79 (Annex-E): 2008/ Any equivalent Method				
3. BITUMEN						
(i)	Specific Gravity	IS: 1202- 1978/Any equivalent Method	LRL/PT/BITU/ E01/20	14000.00	400	Feb. 2020
(ii)	Softening Point	IS: 1205-1978/Any equivalent Method				
(iii)	Penetration Test	IS: 1203-1978 /Any equivalent Method				
(iv)	Ductility Test	IS: 1208-1978 /Any equivalent Method				
(v)	Flash Point	IS: 1209-1978/Any equivalent Method				
(vi)	Solubility in Trichloroethylene	IS: 1216 -1978 /Any equivalent Method				
(vii)	Elastic Recovery on PMB	IS: 15462 – 2004 /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				

GROUP-I (MECHANICAL) : (G) OTHERS						
1. CERAMIC / VIRIFIED TILES						
(i)	Rectangularity	IS 13630 (Part 1) 2006/ Any equivalent Method	LRL/PT/TILE/ G02/19	15000.00	425	March 2019
(ii)	Water Absorption	IS 13630 (Part 2) 2006 /Any equivalent Method				
(iii)	Scratch Hardness of Surface (Moh's Scale)	IS 13630 (Part 13) 2006 /Any equivalent Method				
(iv)	Straightness	IS 13630 (Part 1) 2006/ Any equivalent Method				
(v)	Modulus of Rupture	IS 13630 (Part 6) 2006/ Any equivalent Method				
(vi)	Breaking Strength	IS 13630 (Part 6) 2006/ Any equivalent Method				
2. WOOD/TIMBER & PLYWOOD						
(i)	Moisture Content	IS:1708(Part-I- 1986 RA 2010/ Any equivalent Method	LRL/PT/WOOD/ G03/19	9000.00	255	Running
(ii)	Specific Gravity	IS:1708(Part-II)-1986 RA2010/Any equivalent Method				
(iii)	Density (In Plywood)	IS: 303-1989 RA 2013 IS:1734(Part-I)-1983RA 2013 /Any equivalent Method				
(iv)	Moisture Content (In Plywood)	IS: 303-1989 RA 2013 IS:1734(Part-I)-1983 RA 2013/Any equivalent Method				
3. G.I.PIPE & THERMOPLASTIC PIPES						
(i)	Dimensions Outside Diameter, Thickness	IS: 1239 (Part-1) -2004 RA 2010/Any equivalent Method	LRL/PT/GIPP/ G04/19	9000.00	255	Running
(ii)	Nominal Mass	IS: 1239 (Part-1) -2004 RA 2010/Any equivalent Method				
(iii)	Thickness	IS 1239 (Part I) : 2004/ Any equivalent Method				
(iv)	Measurement of Dimensions Outside Diameter at any Point Wall Thickness Mean Outside Diameter (In thermoelastic pipe)	IS: 12235 (Part-1) -2004 RA 2014/Any equivalent Method				
(v)	Density (in thermoelastic pipe)	IS: 12235 (Part-14) -2004 RA 2014/Any equivalent Method				
4. BUILDING BRICKS						
(i)	Compressive Strength	IS: 3495 (Pt -I)-1992 /Any equivalent Method	LRL/PT/BRIC/ G01/20	20000.00	570	March,2020
(ii)	Water Absorption	IS:3495 (Pt -II)-1992 /Any equivalent Method				

GROUP-I (MECHANICAL) : (I) METALS & ITS ALLOY

1. STRUCTURAL STEEL

(i)	Tensile Strength	IS 1608 (Part 1) & ISO 6892/Any equivalent Method	LRL/PT/STEL / I02/19	8000.00	225	Running
(ii)	Yield Stress	IS 1608 (Part 1) & ISO 6892/Any equivalent Method				
(iii)	Elongation	IS 1608 (Part 1) & ISO 6892/Any equivalent Method				

2. TMT BARS

(i)	Tensile Strength	IS 1608 & IS 1786/Any equivalent Method	LRL/PT/TMT B/I01/20	12000.00	230	Jan.2020
(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				

GROUP-II (NON DESTRUCTIVE TESTS) : (H) REINFORCED CONCRETE STRUCTURES

1. NDT (CONCRETE)

(i)	UPV	IS: 516 Part 5 Sec 1/Any equivalent Method	LRL/PT/NDTC/ H01/20	15000.00	425	Jan 2020
(ii)	Rebound hammer	IS:13311(Pt-II) : 1992/ Any equivalent Method				
(iii)	Half Cell Potential	ASTM C876-91/Any equivalent Method				

NON ACCREDITED PT PROGRAMS

GROUP-I (MECHANICAL) : (F) TEXTILE MATERIAL						
1. GEOGRIDS						
(i)	Tensile Strength	ASTM D 6637:2001 /Any equivalent Method	LRL/PT/GECD/ F01/19	4000.00	115	Jan 2020
(ii)	Thickness (RIB and Junction)	ASTM D 5199:2011/ Any equivalent Method 2				
(iii)	Mass per unit area	ASTM D 6637:2001 /Any equivalent Method				
2. GEO TEXTILES						
(i)	Wide Width Tensile Strength	IS 13162 (Part 5): 1992/ ASTM D 4595:1986/Any equivalent Method	LRL/PT/GETX/ F01/20	5000.00 for any four parameters and Rs. 500.00 each for additional parameter.	115 for any four parameters and \$15 each for additional parameter.	June 2020
(ii)	Static Puncture Strength (CBR Push Through)	ASTM D6241:1998/Any equivalent Method				
(iii)	Trapezoid Tearing Strength	ASTM D 4533:2011/ IS 14293:1995/Any equivalent Method				
(iv)	Apparent Opening Size	ASTM D 4751 : 2004/Any equivalent Method				
(v)	Dynamic Perforated Test (Cone Drop Test)	ISO 13433:2006/Any equivalent Method				
(vi)	Mass per unit area	IS 14716:1999/Any equivalent Method				
(vii)	Water permeability by Permittivity	IS 14324:1995/Any equivalent Method				
(viii)	Grab Breaking Load	ASTM D 4632:2008/Any equivalent Method				
(ix)	Index Puncture Resistance	ASTM D 4833:2007/Any equivalent Method				
GROUP-II (NON DESTRUCTIVE TESTS) : (H) REINFORCED CONCRETE STRUCTURES						
1. PILE INTERGRITY						
(i)	Pile Integrity	ASTM D-5882 (RA 2007)/ IS 14893	LRL/PT/NDTC/ H02/20	15000.00	425	Mar.2020

Note:

- A. PT round ID LRL/PT/NDTC/H01/20 will be conducted at PT provider's premises at Jaipur in the month of January 2020. Exact dates will be declared on or before 15.01.2019.
- B. PT round ID LRL/PT/NDTC/H02/20 will be conducted at PT provider's premises at Jaipur in the month of March 2020. Exact dates will be declared on or before 28.02.2020.
- C. Dates mentioned above are tentative and may be postponed if sufficient number of participation is not met.
- 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.



- E. #Rates mentioned in USD are applicable for non-Indian participants 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.
 - (ii) Or participant may choose to arrange the picking of samples from our Lab's address on their own. For which we will handover 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. Participants are advised to assess the possibility of hassle free transit of material before applying for PT.

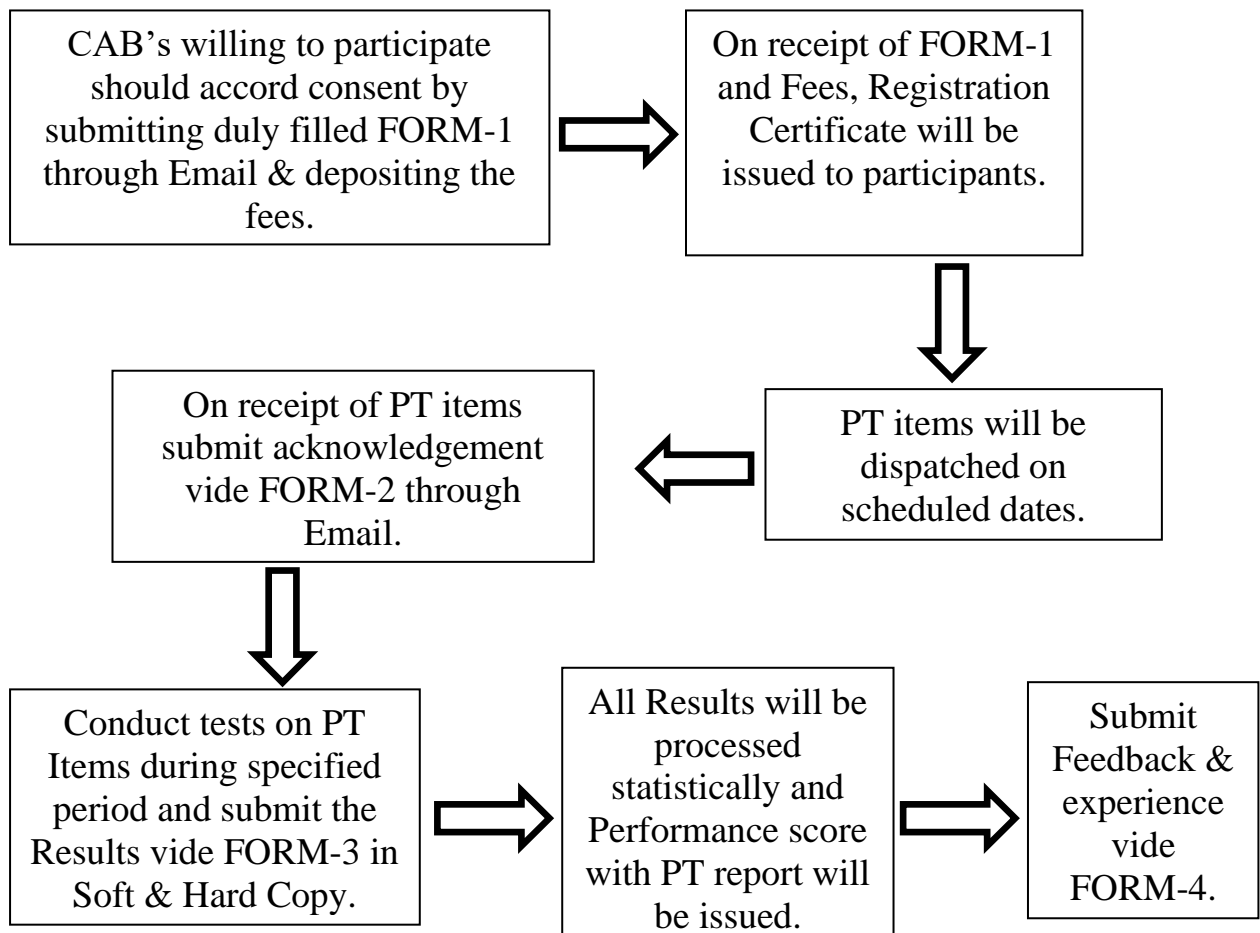
GENERAL PROTOCOL FOR PROFICIENCY TESTING SCHEMES - 2020

1. INTRODUCTION:

LANDMARK Material Testing and Research Laboratory Pvt. Ltd (LRL) is a renowned organization providing services in the field of mechanical 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.

2. INFORMATION ON PT ROUNDS:

The process flowchart of the round is mentioned below:



3. REGISTRATION AND MATERIAL DISPATCH:

Registrations will remain open for all PT rounds throughout the programme duration till PT material dispatch date. In general PT Material 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.

The laboratories 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.

4. 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.

5. APPEALS & COMPLAINTS:

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

6. 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.

Date:01.01.2020

Sd.
Nirbhay Mathur
(PT Coordinator)

Contact Details:

Nirbhay Mathur,
PT Coordinator, PT Division,
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