





## **CRCL-ITEC PROGRAMME (JANUARY, 2026)**

05<sup>th</sup> January 2026 to 16<sup>th</sup> January 2026 (02-Weeks)

## PROFESSIONAL PROGRAMME FOR CUSTOMS LABORATORY CHEMISTS: CHEMICAL ANALYSIS & HARMONIZED SYSTEM CLASSIFICATION WITH ADVANCED EQUIPMENT AT CENTRAL REVENUES CONTROL LABORATORY, NEW DELHI, INDIA

DAY	TIME	ACTIVITY
DAY-1		
	0930 - 1030	Welcome of the Participants & Registration
		Inaugural Ceremony
		Welcome, Introduction & Remark by the HOD
		Brief self-introduction
	1030 - 1100	Group Photograph / High Tea
	1100 - 1215	CRCL & its laboratories and their role in Harmonized System (HS)
		classification
Monday	1215 - 1330	Tour of Laboratory (Site visit & brief on State-of-Art equipment for
05.01.2026		examination of Customs & NDPS samples)
	1330 - 1430	Lunch
	1430 - 1545	Necessity of Customs Laboratories
	1545 - 1615	Теа
	1615 - 1730	Harmonized System (HS) classification, testing/ analysis and regulatory
		compliance under Ch. 27
	1730 - 1755	Open discussion and Q&A
	1755 - 1800	Closing of the Day
DAY-2		
	0930 - 1045	Hands-on training session:
		Determination of Flash Point by COC, PMCC & ABEL equipment
	1045 - 1100	Теа
	1100 - 1215	Hands-on training session:
		Quantification of Sulphur content in Petroleum products (Lube Oil, Base
		Oil, Fuel Oil, Petrol, Kerosene & Diesel) by ED-XRF equipment
Tuesday	1215 - 1330	Hands-on training session continued
06.01.2026	1330 - 1430	Lunch
	1430 - 1545	Hands-on training session:
		Distillation of Petroleum product (Diesel & Aviation Turbine Fuel) by
-	1545 - 1615	Automatic Distillation Unit equipment Tea
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-	1615 - 1730 1730 - 1755	Hands-on training session continued Open discussion and Q&A
_	1755 - 1800	
	1755 - 1800	Closing of the Day
DAY-3	0930 - 1045	Hands-on training session:
	0330 - 1045	Determination of Refractive Index, Kinematic Viscosity, Density and
		Carbon-chain in Petroleum products (Base Oil) by Automatic Stabinger
Wednesday		Viscometer equipment
07.01.2026	1045 - 1100	Tea
	1100 - 1215	Chemical Weapon Convention – Declaration & Verification of chemical
		facility
	1215 - 1330	Hands-on training session:







Physio-chemical analysis i.e. moisture, ash content & volatile matter (dmmf basis) in Solid Fuel (Coal, Coke & Petroleum Coke) by Thermo- Gravimetric Analyzer (TGA) equipment           1330-1430         Lunch           1430-1545         Hands-on training session continued           1615-1730         Hands-on training session continued           1730-1755         Open discussion and Q&A           1730-1755         System (HS) - Quantification of Polychlorinated Biphenyls (PCBs), Polycyclic Aromatic Hydrocarbons (PAHs) and heavy metals in waste oil & transformer oil           1100-1215         Hands-on training session continued           1130-1315         Hands-on training session continued           1130-1430         Lunch           11430-1545         Hands-on training session continued           1155-1300         Closing of the Day           DAY-5         0pon 1045         Brief of Ch. 25 & 26 of Harmonized System (HS)           1140-1215         Hands-on training session:           1155-1300         Closing of the Day           DAY-5         Dependiscussion and Q&A	DAY	TIME	ACTIVITY
Friday 0930 - 1045         Hands-on training session continued           1430 - 1545         Hands-on training session continued           1730 - 1755         Open discussion and Q&A           DAY-4         Regulatory compliance (Hazardous Waste) under Ch. 27 of Harmonized System (HS) - Quantification of Polychlorinated Biphenyls (PCBs), Polycyclic Aromatic Hydrocarbons (PAHs) and heavy metals in waste oil & transformer oil           1045 - 1100         Tea           1100 - 1215         Hands-on training session continued           1215 - 1330         Hands-on training session continued           1320 - 1435         Hands-on training session:           1430 - 1545         Hands-on training session:           1430 - 1545         Hands-on training session:           1430 - 1545         Hands-on training session:           1441         Hands-on training session:           1445 - 1100         Tea           1330 - 1430         Lunch </td <th></th> <td></td> <td>(dmmf basis) in Solid Fuel (Coal, Coke &amp; Petroleum Coke) by Thermo-</td>			(dmmf basis) in Solid Fuel (Coal, Coke & Petroleum Coke) by Thermo-
Friday 09.01.2026         Fired of Characterization of the training session continued           1733 - 1755         Open discussion and Q&A           1735 - 1800         Closing of the Day           DAY-4		1330 - 1430	Lunch
Friday 09.01 2026         0930 - 1045         Hands-on training session continued (1730 - 1755 - 1800           DAY-4         0930 - 1045         Regulatory compliance (Hazardous Waste) under Ch. 27 of Harmonized System (HS) - Quantification of Polychlorinated Biphenyls (PCBs), Polycyclic Aromatic Hydrocarbons (PAHs) and heavy metals in waste oil & transformer oil           1045 - 1100         Tea           1100 - 1215         Hands-on training session continued           1215 - 1330         Hands-on training session continued           1330 - 1430         Lunch           1433 - 1545         Hands-on training session continued           1545 - 1615         Tea           1738 - 1755         Open discussion and Q&A           1738 - 1755         Open discussion and QAA           1738 - 1755         Hands-on training session: Identification & characterization of nature of Calcium Carbonate (Natural & Synthetic) by EO-XFF, XRD & SEM-EDX equipment           1215 - 1330         Hands-on training session: Hands-on training session: Percentage purity of Iron content in Iron Ore by ED-XRF equipment           1245 - 1615		1430 - 1545	Hands-on training session continued
1730 - 1755         Open discussion and Q&A           1755 - 1800         Closing of the Day           DAY-4		1545 - 1615	Теа
DAY-4         1755 - 1800         Closing of the Day           DAY-4         0930 - 1045         Regulatory compliance (Hazardous Waste) under Ch. 27 of Harmonized System (HS) - Quantification of Polychlorinated Biphenyls (PCBs), Polycyclic Aromatic Hydrocarbons (PAHs) and heavy metals in waste oil & transformer oil           Thursday         1045 - 1100         Tea           1104 - 1100         Tea         1104 - 1100           1105 - 1130         Hands-on training session continued         1104 - 1100           1130 - 1430         Lunch         1104 - 1175           1130 - 1430         Hands-on training session continued         1104 - 1175           1130 - 1430         Lunch         1104 - 1175           1130 - 1430         Hands-on training session continued         1104 - 1175           1145 - 1615         Tea         1105 - 11700         1106 - 1175           1175 - 1800         Closing of the Day         DAY-5         1045 - 1100         121 - 1330           DAY-5         0930 - 1045         Brief of Ch. 25 & 26 of Harmonized System (HS)         1100 - 1215           1100 - 1215         Hands-on training session continued         130 - 1430         140 - 1410           1100 - 1215         Hands-on training session continued         130 - 1430         140 - 1410           1100 - 1215         Hands-on training session		1615 - 1730	Hands-on training session continued
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Friday 09.01.2026         0930 - 1045         Regulatory compliance (Hazardous Waste) under Ch. 27 of Harmonized System (HS) - Quantification of Polychlorinated Biphenyls (PCBs), Polycyclic Aromatic Hydrocarbons (PAHs) and heavy metals in waste oil & transformer oil           1045 - 1100         Tea           1100 - 1215         Hands-on training session continued           1130 - 1430         Lunch           1130 - 1430         Lunch           1130 - 1430         Hands-on training session continued           1145 - 1645         Tea           1161 - 1730         Hands-on training session continued           1755 - 1800         Closing of the Day           DAY-5         0930 - 1045         Brief of Ch. 25 & 26 of Harmonized System (HS)           1045 - 1100         Tea         Identification & characterization of nature of Calcium Carbonate (Natural & Synthetic) by ED-XRF, XRD & SEM-EDX equipment           1100 - 1215         Hands-on training session continued         I330 - 1430           1330 - 1430         Lunch         Isson fraining session continued           1330 - 1430         Lunch         Isson fraining session continued           1330 - 1430         Lunch		1755 - 1800	Closing of the Day
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DAY-5         0930 - 1045         Brief of Ch. 25 & 26 of Harmonized System (HS)           1045 - 1100         Tea         1100 - 1215         Hands-on training session: Identification & characterization of nature of Calcium Carbonate (Natural & Synthetic) by ED-XRF, XRD & SEM-EDX equipment           1215 - 1330         Hands-on training session continued           1330 - 1430         Lunch           1430 - 1545         Hands-on training session: Percentage purity of Iron content in Iron Ore by ED-XRF equipment           1545 - 1615         Tea           1615 - 1730         Hands-on training session continued           1730 - 1755         Open discussion and Q&A           1730 - 1755         Open discussion and Q&A           1755 - 1800         Closing of the Day           DAY-6         Saturday           0930 - 1800         Study Visit / Heritage Tour at Agra, Uttar Pradesh, India           DAY-7         Sunday           11.01.2026         OVerview of percentage purity of Gold, Platinum & other associated impurities in Gold samples by Chemical & Instrumental techniques at New Custom House Laboratory, IGI Airport, New Delhi           1045 - 1100         Tea           12.01.2026         1100 - 1215           Hands-on training session: Percentage purity of Gold content in Gold Dore Bar sample by Fire-Assay Method at New Custom House Laboratory, IGI Airport, New Delhi		1730 - 1755	
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	-		Hands-on training session: Percentage purity of Gold content in Gold Dore Bar sample by Fire-Assay
		1215 - 1330	Hands-on training session continued







DAY	TIME	ACTIVITY
	1330 - 1430	Lunch
	1430 - 1545	Hands-on training session:
		Percentage purity of Gold content in Gold Dore Bar sample by Gravimetric
		Method at New Custom House Laboratory, IGI Airport, New Delhi
	1545 - 1615	Теа
	1615 - 1730	Hands-on training session continued
<b>B</b> AY 6	1730 - 1755	Open discussion and Q&A
DAY-9	0000 4045	Quality Assumance & Quality Quantum in the field of chamical
	0930 - 1045	Quality Assurance & Quality Control in the field of chemical testing/analysis for Harmonized System (HS)
	1045 - 1100	
	1100 - 1215	Harmonized System of Nomenclature (HSN) and General Imperative Rules
	1100-1213	(GIR)
	1215 - 1330	Classification of goods (and services) in Customs & Indirect Taxation
Tuesday	1330 - 1430	Lunch
13.01.2026	1430 - 1545	Textiles & textiles articles and their testing for Harmonized System (HS)
		classification under Ch. 50 to 63
	1545 - 1615	Теа
	1615 - 1730	Overview of Quantification of 24 Banned Amines in Textile & Textile
		products by HPLC
	1730 - 1755	Open discussion and Q&A
	1755 - 1800	Closing of the Day
DAY-10		
	0930 - 1045	Hands-on training session:
		Identification & characterization of textiles & its products by physio-
		chemical and instrumental analysis (Polarizing Microscope, FTIR & SEM-
		EDX equipment)
	1045 - 1100	Теа
	1100 - 1215	Hands-on training session continued
Wednesday	1215 - 1330	Hands-on training session continued
14.01.2026	1330 - 1430	Lunch
	1430 - 1545	Hands-on training session continued
	1545 - 1615	Tea
	1615 - 1730	Hands-on training session:
		Identification & characterization of coating in textile samples by SEM-EDX
	1730 - 1755	equipment Open discussion and Q&A
	1755 - 1800	Closing of the Day
DAY-11	1755-1800	Closing of the Day
	0930 - 1045	Hands-on training session:
		Extraction, identification & quantification of 24 Banned Amines/Azo-Dyes
		by HPLC & LCMS/MS equipment
	1045 - 1100	Теа
	1100 - 1215	Hands-on training session continued
Thursday	1215 - 1330	Hands-on training session continued
15.01.2026	1330 - 1430	Lunch
	1430 - 1545	Hands-on training session continued
	1545 - 1615	Теа
	1615 - 1730	Hands-on training session continued
	1730 - 1755	Open discussion and Q&A
	1755 - 1800	Closing of the Day
DAY-12	•	







DAY	TIME	ACTIVITY
	0930 - 1045	Harmonized System (HS) classification & analysis of Plastic (Ch. 39), Rubber (Ch. 40) & articles
	1045 - 1100	Теа
	1100 - 1215	Hands-on training session:
		Identification & characterization of mono, binary & tertiary polymers by
Friday		Pyrolysis GCMS equipment
Friday	1215 - 1330	Hands-on training session continued
16.01.2026	1330 - 1430	Lunch
	1430 - 1545	Evaluation
	1545 - 1615	Теа
	1615 - 1730	Feedback and discussion
		Distribution of Certificates
		Closing Ceremony

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