CENTRAL MEDICAL SERVICES SOCIETY

(An Autonomous Society Under Ministry of Health & Family Welfare, Govt. of India)
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Amendment No. 3

Date: 12/10/2026

Tender No.: CMSS/PROC/2026-27/NTTL/030 Dated. 24.08.2026

Tender Title: Procurement Of Major Equipment's And Semi Major Equipment's For National Tobacco Testing Laboratories (NTTL)

A. Following are the amendments made in the subject tender document: -

Sl. No.	Tender Clause / Specification	To be Read or amended as
Schedule I: High Performance Liquid Chromatography (HPLC) with Photodiode Array (PDA), Fluorescence Detector (FLD) & Refractive Index Detector (RID)		
1.	Column Compartment – Preferably with safety measure: Solvent sensor, temperature fuse, Temperature upper limit, Fluid leak sensor, Fast-cool button	Column Compartment – Preferably with safety measure: Solvent sensor, temperature fuse, Temperature upper limit, Fluid leak sensor, Fast-cool button or equivalent technology
2.	PDA Detector – Detector should have temperature control flow cell	PDA Detector – Detector should have temperature control flow cell or any other technology like heat-exchanger technology or equivalent thermal stabilization as per manufacturer
3.	Solvent Delivery System – i) Proportioning/Composition precision: 0.5% or better	Deleted

Sl. No.	Tender Clause / Specification	Tender Clause / Specification
Schedule II: Gas Chromatograph – Mass Spectrometer / Mass Spectrometer (GC-MS/MS)		
4.	Headspace Sampler – c) Transfer line temperature: 350°C or better	Deleted
5.	Injector – b) PTV / MMI or Equivalent injector – 1 No.	Injector – b) PTV or Equivalent injector – 1 No.
6.	Injector (2) – a) Inlet 1: PTV / MMI or Equivalent Inlet	Injector (2) – a) Inlet 1: PTV or Equivalent Inlet
7.	FID – c) Data Acquisition rate of 1000 Hz or better	FID – c) Data Acquisition rate of 500 Hz or better

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Sl. No.	Tender Clause / Specification	Tender Clause / Specification
8.	Mass Spectrometer detector – EI (Electron ionization) and CI (Chemical ionization)	Mass Spectrometer detector – EI (Electron ionization) and CI (Chemical ionization): Optional
9.	Sensitivity – b) IDL: 0.5 fg or better with injections of OFN (both quads, unit resolution mode, on 30 m column)	Sensitivity – b) IDL: ≤ 0.3 fg or better with injections of OFN (both quads, unit resolution mode, on 30 m column)
10.	Spares and Accessories – a) Nitrogen gas generator with in-built compressor	Spares and Accessories – a) The specification will amended for cylinders required for installation (N2, He, Ar, H2, zero Air)
11.	a) Metrological traceable mix standards of 203 Pesticides analysis – 1 No.	a) NIST traceable mix standards of 203 Pesticides analysis – 1 No. List attached at Annexure -1
12.	Transfer Line Temperature ≥ 350°C	Deleted
13.	Injectors – Mandatory MMI	MMI deleted.
14.	Detector Mass Spectrometer Detector – Dual filaments for all ionization sources	Detector Mass Spectrometer Detector – Dual filaments for all EI ionization sources or equivalent filament arrangement
15.	Software – Latest and licensed original version of NIST and/or Wiley Library for Flavours and fragrance, pesticides, insecticides, mycotoxins, tobacco related compounds etc.	Software – Latest and licensed original version of NIST and/or Wiley Library for Flavours and fragrance, pesticides, insecticides, tobacco related compounds etc.
16.	Spares and Accessories – M) Standards for flavours at least 10 Nos. which are being used in tobacco products may be stated	The prepared list of 10 flavours is attached. List attached at Annexure -II
17.	Injector -- a) Pressure range 0.1–150 psi or better	Pressure range 0.1–100psi or better
18.	Injector (2) -- g) An inlet providing ability of a standard split/splitless inlet equipped with EPC, pressure range 0.1 to 150 psi	An inlet providing ability of a standard split/splitless inlet equipped with EPC, pressure range 0.1 to 100 psi
19.	Spares and Accessories -- j) Required gas cylinders (2 Nos. for each type of gas) with dual stage steel regulators	Spares and Accessories -- j) Required He, H2, N2, Ar and gas cylinders (2 Nos. each) with appropriate purity and dual stage steel regulators gas cylinders

Sl. No.	Tender Clause / Specification	Tender Clause / Specification
Schedule III: Liquid Chromatograph – Mass Spectrometer / Mass Spectrometer (LC-MS/MS)		
1.	Solvent Delivery System – f) Delay volume < 200 µl	Deleted
2.	Mass Analyzer – 5 – 1500 m/z or better	Mass Analyzer – Amended to 5 – 2000 m/z or better

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Sl. No.	Tender Clause / Specification	Tender Clause / Specification
3.	Ionization Source – c) Switching between positive & negative should be < 25 ms or better	Ionization Source – c) Switching between positive & negative should be <10 ms or better
4.	Ionization Source – d) The source shall have a flow rate compatibility from 50 µL/min to 2000 µL/min without splitting in both ESI and APCI modes	Ionization Source – d) The source shall have a flow rate compatibility from 50 µL/min to **1000** µL/min without splitting in both ESI and APCI modes
5.	Ionization Source – e) Desolvation temperature for ESI and APCI sources should be 600°C or better	Ionization Source – e) Desolvation temperature for ESI and APCI sources should be 550°C or higher
6.	Scan rate – 15000 Da/sec or better	Scan rate – 20000 Da/sec or higher scan rate
7.	Collision Cell – Confined collision cell capable of high energy fragmentation, minimum dwell time of 1 millisecond	Collision Cell collision cell capable of high energy fragmentation, minimum dwell time of 1 millisecond
8.	MRM acquisition rate – Should be capable of minimum 450 MRM data points/sec	MRM acquisition rate – Should be capable of minimum 550 MRM data points/sec or higher
9.	f) Delay Volume	Deleted.
10.	15) Mass Accuracy a) 0.1 Da or better	15) Mass Accuracy a) 0.1 Da or better for 5 – 1000 m/z
11.	19) Sensitivity a) MRM ESI +Ve 1pg on Column reserpine: chromatographic S/N > 15,00,000:1 or IDL 1.6 fg without smoothing (MRM 609/195, unit resolution)	19) Sensitivity a) MRM ESI +Ve 1pg on Column reserpine: chromatographic S/N > 15,00,000:1 and IDL 1.6 fg without smoothing (MRM 609/195, unit resolution)
12.	19) Sensitivity b) MRM ESI +Ve 1pg on Column Chloramphenicol: chromatographic S/N > 15,00,000:1 or IDL 1.6 fg without smoothing (MRM 321/152, unit resolution)	19) Sensitivity b) MRM ESI +Ve 1pg on Chromatographic S/N > 15,00,000:1 and IDL 1.6 fg without smoothing (MRM 321/152, unit resolution)
13.	20) Polarity Switching a) Switch from positive to negative polarity between alternate MRM scan is 25 ms or better	20) Polarity Switching a) Switch from positive to negative polarity between alternate MRM scan is 10 ms or better
14.	Point No.26 Qualification software: Integrated sample/calibrant delivery system and programmable divert valve system	Point No.26 Qualification software: Integrated sample/calibrant delivery system and programmable divert valve system or equivalent
15.	Vacuum System – b) Noise level below 65 db	Deleted
16.	Modes of operation – i) Information dependent acquisition system or equivalent scan mode of MRM to high sensitivity product ion scan for library confirmation	Modes of operation – i) Information dependent acquisition system or equivalent scan mode of MRM to high sensitivity product ion scan for confirmation
17.	n) Software should have the latest library database of around 1000 compounds viz. Mycotoxins, Pesticides, Tobacco, Insecticide etc.	n) Software should have the latest database of around 1000 compounds viz. Mycotoxins, Pesticides, Tobacco, Insecticide etc.

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Sl. No.	Tender Clause / Specification	Tender Clause / Specification
18.	f) Delay volume < 200 µl	Deleted
19.	Mass Analyzer – 5 – 1500 m/z or better	Amended: 5 - 2000 m/z
20.	28) Accessories -- d) Suitable Computer, printer etc.	Deleted

Sl. No.	Tender Clause / Specification	Tender Clause / Specification
	Schedule IV: Inductively Coupled Plasma Mass Spectrometry (ICP-MS) with Microwave Digestion System	
1.	Cell technology – a) ICP-MS shall be capable of three modes of operation using required at least three or more different channels	Cell technology – a) ICP-MS shall be capable of three modes of operation using required at least : two or more different channels
2.	Guaranteed Performance – b) Sensitivity (MCPS/ppm) Li(6) > 20 or Be(9) > 6	Guaranteed Performance – b) Sensitivity (MCPS/ppm) Li(6) > 50 or Be(9) > **10**
3.	Y(89)/In(115)/Equivalent > 90	Y(89)/In(115)/Equivalent > **200**
4.	Tl(205)/Bi(209)/U(238) > 70	Tl(205)/Bi(209)/U(238) > **150**
5.	Isotope Ratio Precision (%RSD) 107Ag/109Ag: < 4	Isotope Ratio Precision(<1%RSD) 107Ag/109Ag: < 4
6.	Abundance sensitivity Cs/U: 10^{-7} or 0.05 ppm in entire mass range	Abundance sensitivity Cs/U: 10^{-7} 0.5 ppm or better in entire mass range
7.	d) Shield torch – 3 Nos.	d) Shield torch or equivqlent technology – 3 Nos.
8.	6. Resolution ≤ 1 amu	6. Resolution ≤ 1 amu or better.
9.	10. Interference Removal – Kinetic energy discrimination (KED)	10. Interference Removal – Kinetic energy discrimination (KED) or equivalent
10.	13. Spray Chamber – Quartz spray chamber	13. Spray Chamber – Quartz spray chamber or equivalent.
11.	Quadrupole System – b) User definable/selectable resolution (≤0.3 to ≤1.0 amu) for the entire mass range	Quadrupole System – b) User definable/selectable resolution: ≤1.0 amu or better for the entire mass range
12.	General Features – A latest model of bench top ICP-MS with scan modes On mass and Mass shift	General Features – : A latest model of bench top ICP-MS with scan modes On mass and Mass shift or equivalent technology
13.	Ion Extraction Interface – standard orifice size around 1.0 mm or better	Ion Extraction Interface – standard orifice size as per system design
14.	Vacuum system – a) System should consist of two rotary and ceramic-bearing/equivalent turbomolecular pumps	Vacuum system – a) System should consist of maximum two rotary and ceramic-bearing/equivalent turbomolecular pumps as per system requirement
15.	Guaranteed Performance – a) Detection limit: 9Be 1 ppt, 115In 0.5 ppt, 238U/209Bi 0.5 ppt	Guaranteed Performance – a) Detection limit: 9Be: 1ppt or better; $^{89}Y/^{115}In$: <0.2 ppt; 238U/209Bi: < 0.2 ppt

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Sl. No.	Tender Clause / Specification	Tender Clause / Specification
	Schedule IV: Inductively Coupled Plasma Mass Spectrometry (ICP-MS) with Microwave Digestion System	
16.	Autosampler – a) more than 180 vial position capacity, movable in three directions X, Y and Z	Autosampler – a) More than **150** vial or more position capacity, movable in three directions X, Y and Z or X/Y

Sl. No.	Tender Clause / Specification	Tender Clause / Specification
	Schedule V: Spectrofluorometer	
1.	Lamp Source: 150W Xenon Lamp	Lamp Source: 150W Xenon Lamp/ Pulse Xenon Lamp
2.	Wavelength Scan Speed 4500 nm/min	Wavelength scan speed ≥ 24000
3.	Reference detector: Standard photo diode/PMT	Reference detector: PMT

Sl. No.	Tender Clause / Specification	Tender Clause / Specification
Schedule VI: Fourier Transform Infrared Spectroscopy (FTIR) with ATR Arrangement		
1.	Signal to noise ratio: 30000:1 (or better)	Signal to noise ratio: 35000:1 or better
2.	5. Beam Splitter – KBr only	5. Beam Splitter – KBr or better
3.	6. Interferometer Type – Michelson, open	6. -Interferometer Type – Michelson, sealed
4.	10. Validation – External polystyrene film	10. Validation – External polystyrene film or internal
5.	Wavelength precision: 0.01 cm^{-1} or better	Wavelength precision/repeatability: 0.01 cm^{-1} or better
6.	The FT-IR system should have vibration isolated base plate to ensure automatic compensation and alignment for water vapour (moisture) and CO_2	The FT-IR System Should have provision to automatic compensate and correlate water vapor (moisture) and CO_2
7.	Software & PC System: Windows 10 OS; 21 CFR Software & IQOQ to be included	Software & PC System: Windows 11 compatible with system software with latest updates 21 CFR 11

Sl. No.	Tender Clause / Specification	Tender Clause / Specification
Commercial Amendment		
1.	The manufacturers must have Manufacturing License from Country's Regulatory Authority	The Original Equipment Manufacturer (OEM) shall submit a self-declaration on their letter-head, confirming that they are regular in manufacturing & supplying of same items, as

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Sl. No.	Tender Clause / Specification	Tender Clause / Specification
		asked in this tender, for the last three (03) years as on date of tender opening
2.	Valid ISO 13485, issued by accredited certifying agency	Deleted
3.	CDSCO Import license for the quoted item valid on the date of tender opening	Valid IEC certificate as on Tender Opening Date.
4.	The Manufacturer of "Equipment's/Machine" must have annual production capacity of at least 1.5 times of the quoted quantity. Annual capacity certificate, issued by the regulatory authority in Country of Manufacture/ practicing Chartered Accountant in India, must be submitted along with the bid.	The Manufacturer of "Equipment's/Machine" must have annual production capacity of at least 1.5 times of the quoted quantity. Annual capacity certificate, issued by CA in manufacturing country /CA in India must be submitted along with the bid.
5.	Annual turnover statement for last 3 years in format Section IX Form 4.2, certified by CA/Indian Embassy in Manufacturing Country with UDIN	Bidder may submit Annual Turnover for last three financial years as per Form 4.2. Further, OEM may submit Annual Reports of last three Financial Years i.e. 2022-23, 2023-24 and 2024-25 along with Balance Sheets.
6.	The bidder should not have been convicted in the past three years prior to the date of bid submission. Bidder shall give explicit undertaking for the same in Form 4.3 of the Bid Document.	The bidder/OEM should not have been convicted in the past three years prior to the date of bid submission. Bidder shall give explicit undertaking for the same in Form 4.3 of the Bid Document
7.	Bidder should have service centers in all the location where the proposed Equipment's/machines are Installed/consigned. List of service center with technical staff should be submitted along with the technical bid.	Bidder /OEM should have service centers in major cities in India to cover the service at consingee location. List of service centre with technical staff should be submitted along with the technical bid.
8.	For Foreign manufacturer, all documents to be verified by Chartered Accountant/Indian Embassy in Manufacturing Country	Deleted

B. The Tender Timelines Revised are as under: -

Description	Schedule
Tender Download, Bid Submission along with original Documents End Date, and Time	23.10.2026 up to 03.30 PM
Technical Bid Opening Date and Time	23.10.2026 At 04.00 PM

C. **Apart from above, all other terms & conditions of the tender document remain unchanged.**

12/10/26

Joint Director (Procurement)

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	Annexure-I		
Sl. No.	Pesticide / residue name	Source / status	Remarks
1	1-Methylcyclopropene	FSSAI 2024 draft MRL table – entries 1–233	
2	1-Naphthylacetic acid (NAA)	FSSAI 2024 draft MRL table – entries 1–233	
3	2,4-D	FSSAI 2024 draft MRL table – entries 1–233	
4	6-Benzyladenine	FSSAI 2024 draft MRL table – entries 1–233	
5	Abamectin	FSSAI 2024 draft MRL table – entries 1–233	
6	Acephate	FSSAI 2024 draft MRL table – entries 1–233	
7	Acetamiprid	FSSAI 2024 draft MRL table – entries 1–233	
8	Acifluorfen-sodium	FSSAI 2024 draft MRL table – entries 1–233	
9	Afidopyropen	FSSAI 2024 draft MRL table – entries 1–233	
10	Alachlor	FSSAI 2024 draft MRL table – entries 1–233	
11	Ametoctradin	FSSAI 2024 draft MRL table – entries 1–233	
12	Ametryn	FSSAI 2024 draft MRL table – entries 1–233	
13	Amisulbrom	FSSAI 2024 draft MRL table – entries 1–233	
14	Anilofos	FSSAI 2024 draft MRL table – entries 1–233	
15	Atrazine	FSSAI 2024 draft MRL table – entries 1–233	
16	Azimsulfuron	FSSAI 2024 draft MRL table – entries 1–233	
17	Azoxystrobin	FSSAI 2024 draft MRL table – entries 1–233	
18	Benalaxyl	FSSAI 2024 draft MRL table – entries 1–233	
19	Benfuracarb	FSSAI 2024 draft MRL table – entries 1–233	
20	Bensulfuron-methyl	FSSAI 2024 draft MRL table – entries 1–233	
21	Bentazone	FSSAI 2024 draft MRL table – entries 1–233	
22	Benzpyrimoxan	FSSAI 2024 draft MRL table – entries 1–233	
23	Bifenazate	FSSAI 2024 draft MRL table – entries 1–233	
24	Bifenthrin	FSSAI 2024 draft MRL table – entries 1–233	
25	Bispyribac-sodium	FSSAI 2024 draft MRL table – entries 1–233	
26	Bitertanol	FSSAI 2024 draft MRL table – entries 1–233	
27	Boscalid	FSSAI 2024 draft MRL table – entries 1–233	
28	Broflanilide	FSSAI 2024 draft MRL table – entries 1–233	
29	Bupirimate	FSSAI 2024 draft MRL table – entries 1–233	
30	Buprofezin	FSSAI 2024 draft MRL table – entries 1–233	
31	Butachlor	FSSAI 2024 draft MRL table – entries 1–233	
32	Captan	FSSAI 2024 draft MRL table – entries 1–233	
33	Carbaryl	FSSAI 2024 draft MRL table – entries 1–233	
34	Carbendazim	FSSAI 2024 draft MRL table – entries 1–233	
35	Carbofuran	FSSAI 2024 draft MRL table – entries 1–233	
36	Carbosulfan	FSSAI 2024 draft MRL table – entries 1–233	
37	Carfentrazone-ethyl	FSSAI 2024 draft MRL table – entries 1–233	
38	Carpropamid	FSSAI 2024 draft MRL table – entries 1–233	
39	Cartap hydrochloride	FSSAI 2024 draft MRL table – entries 1–233	
40	Chlorantraniliprole	FSSAI 2024 draft MRL table – entries 1–233	
41	Chlorfenapyr	FSSAI 2024 draft MRL table – entries 1–233	
42	Chlorfluazuron	FSSAI 2024 draft MRL table – entries 1–233	
43	Chlorimuron-ethyl	FSSAI 2024 draft MRL table – entries 1–233	
44	Chlormequat chloride	FSSAI 2024 draft MRL table – entries 1–233	
45	Chlorothalonil	FSSAI 2024 draft MRL table – entries 1–233	
46	Chlorpropham	FSSAI 2024 draft MRL table – entries 1–233	
47	Chlorpyrifos	FSSAI 2024 draft MRL table – entries 1–233	
48	Chromafenozide	FSSAI 2024 draft MRL table – entries 1–233	
49	Cinmethylin	FSSAI 2024 draft MRL table – entries 1–233	
50	Clodinafop-propargyl	FSSAI 2024 draft MRL table – entries 1–233	
51	Clomazone	FSSAI 2024 draft MRL table – entries 1–233	
52	Clothianidin	FSSAI 2024 draft MRL table – entries 1–233	
53	Copper compounds (Copper hydroxide, Copper oxychloride, Copper Sulphate, Cuprous Oxide)	FSSAI 2024 draft MRL table – entries 1–233	
54	Cyantraniliprole	FSSAI 2024 draft MRL table – entries 1–233	
55	Cyazofamid	FSSAI 2024 draft MRL table – entries 1–233	
56	Cyclanilide	FSSAI 2024 draft MRL table – entries 1–233	
57	Cyclaniliprole	FSSAI 2024 draft MRL table – entries 1–233	
58	Cyenopyrafen	FSSAI 2024 draft MRL table – entries 1–233	
59	Cyflufenamid	FSSAI 2024 draft MRL table – entries 1–233	
60	Cyflumetofen	FSSAI 2024 draft MRL table – entries 1–233	
61	Cyfluthrin/beta-cyfluthrin	FSSAI 2024 draft MRL table – entries 1–233	
62	Cyhalofop-butyl	FSSAI 2024 draft MRL table – entries 1–233	
63	Cyhalothrin (includes lambda-cyhalothrin)	FSSAI 2024 draft MRL table – entries 1–233	
64	Cymoxanil	FSSAI 2024 draft MRL table – entries 1–233	
65	Cypermethrin (including alpha-cypermethrin and zeta-cypermethrin)	FSSAI 2024 draft MRL table – entries 1–233	
66	Cyproconazole (sum of isomers)	FSSAI 2024 draft MRL table – entries 1–233	
67	Deltamethrin	FSSAI 2024 draft MRL table – entries 1–233	
68	Diafenthiuron	FSSAI 2024 draft MRL table – entries 1–233	
69	Dicamba	FSSAI 2024 draft MRL table – entries 1–233	
70	Dichlorvos	FSSAI 2024 draft MRL table – entries 1–233	
71	Diclofop	FSSAI 2024 draft MRL table – entries 1–233	
72	Diclosulam	FSSAI 2024 draft MRL table – entries 1–233	
73	Dicofol	FSSAI 2024 draft MRL table – entries 1–233	
74	Difenoconazole	FSSAI 2024 draft MRL table – entries 1–233	
75	Diflubenzuron	FSSAI 2024 draft MRL table – entries 1–233	
76	Dimethenamid-P	FSSAI 2024 draft MRL table – entries 1–233	
77	Dimethoate	FSSAI 2024 draft MRL table – entries 1–233	
78	Dimethomorph	FSSAI 2024 draft MRL table – entries 1–233	

79	Dinocap	FSSAI 2024 draft MRL table – entries 1–233	
80	Dinotefuran	FSSAI 2024 draft MRL table – entries 1–233	
81	Dithianon	FSSAI 2024 draft MRL table – entries 1–233	
82	Dithiocarbamates (maneb, mancozeb, metiram, thiram and ziram)	FSSAI 2024 draft MRL table – entries 1–233	
83	Diuron	FSSAI 2024 draft MRL table – entries 1–233	
84	Dodine	FSSAI 2024 draft MRL table – entries 1–233	
85	Edifenphos	FSSAI 2024 draft MRL table – entries 1–233	
86	Emamectin benzoate	FSSAI 2024 draft MRL table – entries 1–233	
87	Epoxiconazole	FSSAI 2024 draft MRL table – entries 1–233	
88	Ethaboxam	FSSAI 2024 draft MRL table – entries 1–233	
89	Ethephon	FSSAI 2024 draft MRL table – entries 1–233	
90	Ethion	FSSAI 2024 draft MRL table – entries 1–233	
91	Ethoxysulfuron	FSSAI 2024 draft MRL table – entries 1–233	
92	Etofenprox	FSSAI 2024 draft MRL table – entries 1–233	
93	Etoxazole	FSSAI 2024 draft MRL table – entries 1–233	
94	Famoxadone	FSSAI 2024 draft MRL table – entries 1–233	
95	Fenamidone	FSSAI 2024 draft MRL table – entries 1–233	
96	Fenarimol	FSSAI 2024 draft MRL table – entries 1–233	
97	Fenazaquin	FSSAI 2024 draft MRL table – entries 1–233	
98	Fenobucarb (BPMC)	FSSAI 2024 draft MRL table – entries 1–233	
99	Fenoxanil	FSSAI 2024 draft MRL table – entries 1–233	
100	Fenoxaprop-p-ethyl	FSSAI 2024 draft MRL table – entries 1–233	
101	Fenpropathrin	FSSAI 2024 draft MRL table – entries 1–233	
102	Fenpyroximate	FSSAI 2024 draft MRL table – entries 1–233	
103	Fenvalerate	FSSAI 2024 draft MRL table – entries 1–233	
104	Fipronil	FSSAI 2024 draft MRL table – entries 1–233	
105	Flonicamid	FSSAI 2024 draft MRL table – entries 1–233	
106	Florasulam	FSSAI 2024 draft MRL table – entries 1–233	
107	Florpyrauxifen-benzyl	FSSAI 2024 draft MRL table – entries 1–233	
108	Fluazaindolizine	FSSAI 2024 draft MRL table – entries 1–233	
109	Fluazifop-p-butyl	FSSAI 2024 draft MRL table – entries 1–233	
110	Flubendiamide	FSSAI 2024 draft MRL table – entries 1–233	
111	Flucetosulfuron	FSSAI 2024 draft MRL table – entries 1–233	
112	Fluchloralin	FSSAI 2024 draft MRL table – entries 1–233	
113	Fluensulfone	FSSAI 2024 draft MRL table – entries 1–233	
114	Flufenacet	FSSAI 2024 draft MRL table – entries 1–233	
115	Flumioxazin	FSSAI 2024 draft MRL table – entries 1–233	
116	Fluopicolide	FSSAI 2024 draft MRL table – entries 1–233	
117	Fluopyram	FSSAI 2024 draft MRL table – entries 1–233	
118	Flupyradifurone	FSSAI 2024 draft MRL table – entries 1–233	
119	Flupyrimin	FSSAI 2024 draft MRL table – entries 1–233	
120	Flurochloridone	FSSAI 2024 draft MRL table – entries 1–233	
121	Fluroxypyr-meptyl	FSSAI 2024 draft MRL table – entries 1–233	
122	Flusilazole	FSSAI 2024 draft MRL table – entries 1–233	
123	Fluthiacet-methyl	FSSAI 2024 draft MRL table – entries 1–233	
124	Fluvalinate	FSSAI 2024 draft MRL table – entries 1–233	
125	Fluxametamide	FSSAI 2024 draft MRL table – entries 1–233	
126	Fluxapyroxad	FSSAI 2024 draft MRL table – entries 1–233	
127	Fomesafen	FSSAI 2024 draft MRL table – entries 1–233	
128	Forchlorfenuron	FSSAI 2024 draft MRL table – entries 1–233	
129	Fosetyl-Al	FSSAI 2024 draft MRL table – entries 1–233	
130	Glufosinate-Ammonium	FSSAI 2024 draft MRL table – entries 1–233	
131	Glyphosate	FSSAI 2024 draft MRL table – entries 1–233	
132	Halauxifen-methyl	FSSAI 2024 draft MRL table – entries 1–233	
133	Halosulfuron-methyl	FSSAI 2024 draft MRL table – entries 1–233	
134	Haloxyfop-R methyl	FSSAI 2024 draft MRL table – entries 1–233	
135	Hexaconazole	FSSAI 2024 draft MRL table – entries 1–233	
136	Hexazinone	FSSAI 2024 draft MRL table – entries 1–233	
137	Hexythiazox	FSSAI 2024 draft MRL table – entries 1–233	
138	Hydrogen Cyanamide	FSSAI 2024 draft MRL table – entries 1–233	
139	Imazamox	FSSAI 2024 draft MRL table – entries 1–233	
140	Imazethapyr	FSSAI 2024 draft MRL table – entries 1–233	
141	Imidacloprid	FSSAI 2024 draft MRL table – entries 1–233	
142	Indaziflam	FSSAI 2024 draft MRL table – entries 1–233	
143	Indoxacarb	FSSAI 2024 draft MRL table – entries 1–233	
144	Iodosulfuron-methyl sodium	FSSAI 2024 draft MRL table – entries 1–233	
145	Iprobenfos (Kitazin)	FSSAI 2024 draft MRL table – entries 1–233	
146	Iprodione	FSSAI 2024 draft MRL table – entries 1–233	
147	Iprovalicarb	FSSAI 2024 draft MRL table – entries 1–233	
148	Isocycloseram	FSSAI 2024 draft MRL table – entries 1–233	
149	Isoprothiolane	FSSAI 2024 draft MRL table – entries 1–233	
150	Isoproturon	FSSAI 2024 draft MRL table – entries 1–233	
151	Kasugamycin	FSSAI 2024 draft MRL table – entries 1–233	
152	Kresoxim-methyl	FSSAI 2024 draft MRL table – entries 1–233	
153	Linuron	FSSAI 2024 draft MRL table – entries 1–233	
154	Lufenuron	FSSAI 2024 draft MRL table – entries 1–233	
155	Malathion	FSSAI 2024 draft MRL table – entries 1–233	
156	Mandipropamid	FSSAI 2024 draft MRL table – entries 1–233	
157	Mefentrifluconazole	FSSAI 2024 draft MRL table – entries 1–233	
158	Mepiquat chloride	FSSAI 2024 draft MRL table – entries 1–233	
159	Meptyldinocap	FSSAI 2024 draft MRL table – entries 1–233	

160	Mesosulfuron-methyl	FSSAI 2024 draft MRL table – entries 1–233	
161	Mesotrione	FSSAI 2024 draft MRL table – entries 1–233	
162	Metaflumizone	FSSAI 2024 draft MRL table – entries 1–233	
163	Metalaxyl and Metalaxyl-M	FSSAI 2024 draft MRL table – entries 1–233	
164	Metamifop	FSSAI 2024 draft MRL table – entries 1–233	
165	Metamitron	FSSAI 2024 draft MRL table – entries 1–233	
166	Methabenzthiazuron	FSSAI 2024 draft MRL table – entries 1–233	
167	Methomyl	FSSAI 2024 draft MRL table – entries 1–233	
168	Methoxyfenozide	FSSAI 2024 draft MRL table – entries 1–233	
169	Methyl Chlorophenoxy Acetic Acid (MCPA)	FSSAI 2024 draft MRL table – entries 1–233	
170	Metolachlor	FSSAI 2024 draft MRL table – entries 1–233	
171	Metrafenone	FSSAI 2024 draft MRL table – entries 1–233	
172	Metribuzin	FSSAI 2024 draft MRL table – entries 1–233	
173	Metsulfuron-methyl	FSSAI 2024 draft MRL table – entries 1–233	
174	Milbemectin	FSSAI 2024 draft MRL table – entries 1–233	
175	Monocrotophos	FSSAI 2024 draft MRL table – entries 1–233	
176	Myclobutanil	FSSAI 2024 draft MRL table – entries 1–233	
177	Nitrobenzene	FSSAI 2024 draft MRL table – entries 1–233	
178	Novaluron	FSSAI 2024 draft MRL table – entries 1–233	
179	Orthosulfamuron	FSSAI 2024 draft MRL table – entries 1–233	
180	Oxadiargyl	FSSAI 2024 draft MRL table – entries 1–233	
181	Oxadiazon	FSSAI 2024 draft MRL table – entries 1–233	
182	Oxathiapiprolin	FSSAI 2024 draft MRL table – entries 1–233	
183	Oxydemeton-methyl	FSSAI 2024 draft MRL table – entries 1–233	
184	Oxyfluorfen	FSSAI 2024 draft MRL table – entries 1–233	
185	Paclobutrazol	FSSAI 2024 draft MRL table – entries 1–233	
186	Paraquat	FSSAI 2024 draft MRL table – entries 1–233	
187	Parathion-methyl	FSSAI 2024 draft MRL table – entries 1–233	
188	Penconazole	FSSAI 2024 draft MRL table – entries 1–233	
189	Pencycuron	FSSAI 2024 draft MRL table – entries 1–233	
190	Pendimethalin	FSSAI 2024 draft MRL table – entries 1–233	
191	Penoxsulam	FSSAI 2024 draft MRL table – entries 1–233	
192	Permethrin	FSSAI 2024 draft MRL table – entries 1–233	
193	Phenthoate	FSSAI 2024 draft MRL table – entries 1–233	
194	Phorate	FSSAI 2024 draft MRL table – entries 1–233	
195	Phosalone	FSSAI 2024 draft MRL table – entries 1–233	
196	Phosmet	FSSAI 2024 draft MRL table – entries 1–233	
197	Picoxystrobin	FSSAI 2024 draft MRL table – entries 1–233	
198	Pinoxaden	FSSAI 2024 draft MRL table – entries 1–233	
199	Pirimiphos-methyl	FSSAI 2024 draft MRL table – entries 1–233	
200	Pretilachlor	FSSAI 2024 draft MRL table – entries 1–233	
201	Prochloraz	FSSAI 2024 draft MRL table – entries 1–233	
202	Profenofos	FSSAI 2024 draft MRL table – entries 1–233	
203	Prohexadione calcium	FSSAI 2024 draft MRL table – entries 1–233	
204	Propamocarb	FSSAI 2024 draft MRL table – entries 1–233	
205	Propanil	FSSAI 2024 draft MRL table – entries 1–233	
206	Propaquizafop	FSSAI 2024 draft MRL table – entries 1–233	
207	Propargite	FSSAI 2024 draft MRL table – entries 1–233	
208	Propiconazole	FSSAI 2024 draft MRL table – entries 1–233	
209	Propineb	FSSAI 2024 draft MRL table – entries 1–233	
210	Pymetrozine	FSSAI 2024 draft MRL table – entries 1–233	
211	Pyraclostrobin	FSSAI 2024 draft MRL table – entries 1–233	
212	Pyrazosulfuron-ethyl	FSSAI 2024 draft MRL table – entries 1–233	
213	Pyridaben	FSSAI 2024 draft MRL table – entries 1–233	
214	Pyridalyl	FSSAI 2024 draft MRL table – entries 1–233	
215	Pyrifluquinazon	FSSAI 2024 draft MRL table – entries 1–233	
216	Pyriftalid	FSSAI 2024 draft MRL table – entries 1–233	
217	Pyriproxyfen	FSSAI 2024 draft MRL table – entries 1–233	
218	Pyrithiobac-sodium	FSSAI 2024 draft MRL table – entries 1–233	
219	Pyroxasulfone	FSSAI 2024 draft MRL table – entries 1–233	
220	Quinalphos	FSSAI 2024 draft MRL table – entries 1–233	
221	Quinclorac	FSSAI 2024 draft MRL table – entries 1–233	
222	Quizalofop-ethyl	FSSAI 2024 draft MRL table – entries 1–233	
223	Quizalofop-P-tefuryl	FSSAI 2024 draft MRL table – entries 1–233	
224	Saflufenacil	FSSAI 2024 draft MRL table – entries 1–233	
225	Sodium para nitro phenolate (Sodium 4-nitrophenolate)	FSSAI 2024 draft MRL table – entries 1–233	
226	Spinetoram	FSSAI 2024 draft MRL table – entries 1–233	
227	Spinosad	FSSAI 2024 draft MRL table – entries 1–233	
228	Spiromesifen	FSSAI 2024 draft MRL table – entries 1–233	
229	Spirotetramat	FSSAI 2024 draft MRL table – entries 1–233	
230	Sulfentrazone	FSSAI 2024 draft MRL table – entries 1–233	
231	Sulfosulfuron	FSSAI 2024 draft MRL table – entries 1–233	
232	Sulfoxaflor	FSSAI 2024 draft MRL table – entries 1–233	
233	Tebuconazole	FSSAI 2024 draft MRL table – entries 1–233	

Annexure-II

Name of Laboratory: National Tobacco Testing Laboratory, Guwahati.

List of Common tobacco flavors:

Sl. No	Flavoring Component
1	Eugenol
2	Eugenol acetate
3	Thymol
4	Acetyl pyrazine
5	Limonene
6	Linalool
7	Acetanisol
8	B-caryophyllene
9	cinnamaldehyde
10	benzaldehyde
11	vanillin
12	Peppermint