

## Head 48 — GOVERNMENT LABORATORY

**Controlling officer:** the Government Chemist will account for expenditure under this Head.

**Estimate 2025–26** ..... **\$640.8m**

**Establishment ceiling 2025–26** (notional annual mid-point salary value) representing an estimated 502 non-directorate posts as at 31 March 2025 reducing by three posts to 499 posts as at 31 March 2026..... **\$359.9m**

In addition, there will be an estimated seven directorate posts as at 31 March 2025 and as at 31 March 2026.

### Controlling Officer's Report

#### Programmes

- |  |  |
|--|--|
| <b>Programme (1) Statutory Testing</b>                   | This programme contributes to Policy Area 2: Agriculture, Fisheries and Food Safety (Secretary for Environment and Ecology) and Policy Area 15: Health (Secretary for Health).   |
| <b>Programme (2) Advisory and Investigative Services</b> | This programme contributes to Policy Area 2: Agriculture, Fisheries and Food Safety (Secretary for Environment and Ecology), Policy Area 9: Internal Security (Secretary for Security), Policy Area 23: Environmental Protection, Conservation, Power and Sustainable Development (Secretary for Environment and Ecology) and Policy Area 32: Environmental Hygiene (Secretary for Environment and Ecology). |
| <b>Programme (3) Forensic Science Services</b>           | This programme contributes to Policy Area 9: Internal Security (Secretary for Security).   |

#### Detail

##### Programme (1): Statutory Testing

	2023–24 (Actual)	2024–25 (Original)	2024–25 (Revised)	2025–26 (Estimate)
Financial provision (\$m)	282.2	300.2	300.6 (+0.1%)	<b>309.8</b> (+3.1%)
				(or +3.2% on 2024–25 Original)

#### Aim

- 2 The aim is to carry out statutory functions as referee analyst under a number of ordinances and regulations.

#### Brief Description

- 3 The Government Chemist discharges statutory functions as referee analyst under various ordinances and regulations. The work involves the analysis of food products for regulatory compliance; the examination of western and Chinese medicines for registration and quality control; the classification of dangerous goods for compliance with the Dangerous Goods Ordinance (Cap. 295); the testing of dutiable commodities for tariff classification; the assessment of toys, children's products and consumer articles for health and safety hazards; the determination of tar and nicotine yields in cigarettes; the assay of gold and platinum articles for fineness; the analysis of consumer goods in relation to the fitness with their trade descriptions; and the verification of products and equipment for compliance with the Weights and Measures Ordinance (Cap. 68). The Government Laboratory provides 24-hour on-call service to assist the Fire Services Department at scenes of accidents involving hazardous chemicals.

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4 In 2024–25, the Laboratory continued outsourcing some of the routine food testing work to private testing laboratories. The resources released from outsourcing were deployed to take up test method development, new testing work arising from amendments of food legislation and activities related to outsourcing such as organisation of technical seminars as well as chemical metrology development. In another area of health concern, the Laboratory continued to provide full support for (a) urgent investigatory analyses of substandard pharmaceuticals and Chinese medicines; (b) investigation into cases of adverse reaction arising from the consumption of proprietary Chinese medicines and/or health products found containing undeclared western drug ingredients; and (c) intoxication incidents related to substitution or contamination of herbs in Chinese herbal medicines. In addition, the Laboratory continued to provide analytical and advisory support to the Department of Health in the development of Hong Kong Chinese Materia Medica Standards. The Laboratory will continue to provide metrology-in-chemistry support for the development of testing and certification industry in Hong Kong, for example, arrangement of proficiency tests for local laboratories and provision of reference materials.

5 The key performance measures in respect of statutory testing are:

### *Targets#*

	Target	2023 (Actual)	2024 (Actual)	2025 (Plan)
<i>Testing of:</i>				
food complaint cases within 25 working days (%).....	90	97	97	<b>90</b>
urgent samples relating to food incidents within two working days (%).....	100	100	100	<b>100</b>
other food samples within reporting time averaging 19 working days (%).....	95	99	99	<b>95</b>
urgent samples relating to pharmaceutical incidents within two working days (%).....	95	100	100	<b>95</b>
other pharmaceutical samples within reporting time averaging 25 working days (%).....	95	99	99	<b>95</b>
urgent samples relating to Chinese medicine incidents within two working days (%).....	95	100	100	<b>95</b>
other Chinese medicine samples within reporting time averaging 30 working days (%).....	95	99	99	<b>95</b>
dangerous goods within reporting time averaging 14 working days (%).....	96	100	100	<b>96</b>
dutiable and other commodities within reporting time averaging ten working days (%).....	95	100	99	<b>95</b>
toys and children's products within reporting time averaging 15 working days (%).....	95	99	100	<b>95</b>
consumer goods within reporting time averaging 35 working days (%).....	95	100	100	<b>95</b>
non-pharmaceutical consumer goods (trade descriptions) within reporting time averaging 35 working days (%).....	92	97	98	<b>92</b>

# For targets where reporting time is mentioned, different samples require different analytical procedures, hence different reporting time. The quoted number of working days required represents an average of reporting time for the different types of samples and test requests within the category, while the target (in percentage) is the total compliance rate of the concerned samples and test requests within a particular category against their respective targets.

### *Indicators*

The key indicators for statutory testing are the numbers of tests performed on the various categories of services.

	2023 (Actual)	2024 (Actual)	2025 (Estimate)
<i>Tests performed</i>			
food complaint samples .....	5 751	6 070	<b>6 000</b>
urgent samples relating to food incidents .....	147	143	<b>N.A.‡</b>
other food samples .....	194 631	196 420	<b>190 000</b>

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	2023 (Actual)	2024 (Actual)	2025 (Estimate)
urgent samples relating to pharmaceutical incidents .....	106	85	N.A.‡
other pharmaceutical samples .....	52 575	54 041	51 000
urgent samples relating to			
Chinese medicine incidents .....	30	4	N.A.‡
other Chinese medicine samples .....	86 133	87 876	86 000
dangerous goods .....	5 203	5 252	5 000
dutiable and other commodities .....	6 252	5 832	6 000
non-pharmaceutical consumer goods (trade			
descriptions) .....	5 259	5 322	5 000
cigarette samples .....	13 536	14 184	13 000
toys and children's products .....	21 957	21 911	21 500
consumer goods .....	12 050	12 020	12 000

‡ As the testing requirements for urgent samples relating to food, pharmaceuticals and Chinese medicine incidents respectively fluctuated in previous years, it is difficult to estimate the occurrence of the type of incidents or the number of tests required.

### *Matters Requiring Special Attention in 2025–26*

- 6 During 2025–26, the Laboratory will continue to provide:
- professional advisory and analytical services to support the enforcement of various food safety ordinances and regulations, including the Harmful Substances in Food (Amendment) Regulation 2021 and the Food and Drugs (Composition and Labelling) (Amendment) Regulation 2021. The services will cover analysis on different food samples on both routine and ad hoc bases;
  - analytical and advisory support to the Department of Health for the formulation and development of Hong Kong Chinese Materia Medica Standards for Chinese herbal medicines commonly used in Hong Kong; and
  - professional advisory and analytical services to support the enforcement of the various orders and regulations under the Trade Descriptions Ordinance (Cap. 362). The services will cover analysis and authenticity tests on consumer goods, in particular those related to valuable goods such as jewellery, seafood products and Chinese medicinal products where their authenticity is of public concern.

### **Programme (2): Advisory and Investigative Services**

	2023–24 (Actual)	2024–25 (Original)	2024–25 (Revised)	2025–26 (Estimate)
Financial provision (\$m)	109.1	113.7	114.0 (+0.3%)	109.0 (–4.4%)
				(or –4.1% on 2024–25 Original)

### *Aim*

7 The aim is to provide a wide range of primarily chemical testing and advisory services to other government departments and public institutions.

### *Brief Description*

8 The Laboratory provides comprehensive analytical and advisory services to the Government in the management and monitoring of the environment and in the enforcement of various pollution control measures. Chemical testing of air, water and waste samples for a variety of pollution indicators constitutes the main activity under this programme. It provides on-site investigations and advisory services for specific incidents of emission or leakage of hazardous chemical substances into the environment. Analytical support is provided to the Hong Kong Observatory's Environmental Radiation Monitoring Programme as well as the Daya Bay Contingency Plan. Other activities include the examination of seepage and swimming pool water samples for the Food and Environmental Hygiene Department, the analysis of samples related to evaluation of exposure to occupational hazards for the Labour Department, the testing of government supplies for conformity to tender specifications and the identification of products made from endangered species.

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9 In 2024–25, the Laboratory continued to render analytical support and professional advice to the Government in improving the quality of the environment of Hong Kong and engage in scientific research to further enhance its analytical capabilities in environmental analysis. In addition to its routine commitments, the Laboratory was actively involved in various environmental impact studies and ad hoc projects including the analysis of environmental samples for organic and inorganic pollutants under the Toxic Substances Monitoring Programme. To support the implementation of the Air Pollution Control (Volatile Organic Compounds) Regulation (Cap. 311W), the Laboratory continued to provide analytical services for determining the content of volatile organic compounds in regulated products including architectural paints, vessel paints and pleasure craft paints, printing inks, fountain solutions and printing machine cleaning agents, adhesives and sealants, vehicle refinishing paints and consumer products. Method development and validation work for the analysis of new persistent organic pollutants was continued. In 2024, the Laboratory also provided over six pieces of professional advice relating to over six items for the classification under the Dangerous Goods Ordinance and over 560 pieces of advice relating to over 600 items supporting the implementation of the Chemical Weapons (Convention) Ordinance (Cap. 578) and the control of strategic commodities.

10 The key performance measures in respect of advisory and investigative services are:

### *Targets#*

	Target	2023 (Actual)	2024 (Actual)	2025 (Plan)
<i>Testing of:</i>				
air pollution monitoring samples within reporting time averaging 20 working days (%).....	95	99	99	95
field investigation (air pollution) samples within reporting time averaging 12 working days (%).....	96	100	100	96
air pollution samples for litigation purposes within reporting time averaging 18 working days (%).....	97	100	100	97
water quality monitoring samples within reporting time averaging 20 working days (%).....	96	99	99	96
environmental waste monitoring samples within reporting time averaging 27 working days (%).....	95	99	99	95
environmental waste samples for litigation purposes within reporting time averaging 12 working days (%).....	97	100	100	97
radioactivity monitoring samples within reporting time averaging 12 working days (%).....	95	99	100	95
pesticides formulation samples within reporting time averaging 36 working days (%).....	93	100	100	93
seepage and swimming pool water samples within ten working days (%).....	96	98	98	96
other samples within reporting time averaging 25 working days (%).....	90	99	99	90

# For targets where reporting time is mentioned, different samples require different analytical procedures, hence different reporting time. The quoted number of working days required represents an average of reporting time for the different types of samples and test requests within the category, while the target (in percentage) is the total compliance rate of the concerned samples and test requests within a particular category against their respective targets.

### *Indicators*

The key indicators for advisory and investigative services are the numbers of tests performed on the various categories of services.

	2023 (Actual)	2024 (Actual)	2025 (Estimate)
<i>Tests performed</i>			
air pollution monitoring samples .....	62 456	65 266	63 000
air pollution samples for litigation purposes.....	2 759	2 699	3 400
field investigation (air pollution) samples .....	450	438	440
water quality monitoring samples .....	128 148	131 049	126 000

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	2023 (Actual)	2024 (Actual)	2025 (Estimate)
environmental waste monitoring samples .....	10 868	10 034	<b>11 000</b>
environmental waste samples for litigation purposes .....	307	285	<b>320</b>
pesticides formulation samples .....	300	310	<b>310</b>
seepage and swimming pool water samples .....	62 712	76 515	<b>70 000</b>
miscellaneous			
radioactivity monitoring samples .....	4 926	5 017	<b>5 000</b>
other samples .....	17 783	23 349	<b>20 000</b>

### *Matters Requiring Special Attention in 2025–26*

**11** During 2025–26, the Laboratory will continue to provide:

- analytical services in support of the implementation of the Air Pollution Control (Marine Light Diesel) Regulation (Cap. 311Y); and
- support to government departments in relation to the implementation of the Stockholm Convention on Persistent Organic Pollutants and the Rotterdam Convention on the Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade.

### **Programme (3): Forensic Science Services**

	2023–24 (Actual)	2024–25 (Original)	2024–25 (Revised)	2025–26 (Estimate)
Financial provision (\$m)	215.8	216.6	217.1 (+0.2%)	<b>222.0</b> (+2.3%)
				(or +2.5% on 2024–25 Original)

### *Aim*

**12** The aim is to provide comprehensive and unbiased forensic science services to the criminal justice system.

### *Brief Description*

**13** The Laboratory provides comprehensive and impartial forensic science services to the law enforcement departments, which include mainly the Hong Kong Police Force, the Customs and Excise Department, the Immigration Department and the Fire Services Department. The services include crime scene investigation, traffic accident reconstruction, fire investigation, DNA profiling, drugs of abuse examination, toxicology analysis and questioned documents examination. A 24-hour and express service is also provided for these scientific examinations to fulfil the Departments' immediate need.

**14** Additionally, the screening and monitoring, through urine testing (urinalysis), of the drug abuse behaviour of persons under imprisonment, rehabilitation or probation is conducted for the Department of Health (Methadone Maintenance Scheme), the Social Welfare Department, the Correctional Services Department, the Hong Kong Police Force and other organisations requiring this service.

**15** The targets are defined to be the percentage of completed cases whose individual case-completion time does not exceed a specified number of working day(s). The key performance measures in respect of the forensic science services are:

### *Targets*

	Target	2023 (Actual)	2024 (Actual)	2025 (Plan)
<i>Cases for:</i>				
biochemical grouping (DNA profiling) - non-complicated cases completed within 60 working days (%) .....	90	96	99	<b>90</b>
complicated cases completed within 130 working days (%) .....	90	92	98	<b>90</b>
DNA database (DNA profiling) completed within 22 working days (%) .....	90	93	95	<b>90</b>
parentage testing (DNA profiling) completed within 22 working days (%)Δ .....	90	98	96	<b>90</b>

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	Target	2023 (Actual)	2024 (Actual)	2025 (Plan)
trace evidence completed within				
66 working days (%).....	90	97	98	<b>90</b>
accident reconstruction completed within				
66 working days (%).....	90	94	94	<b>90</b>
video/image analysis completed within				
88 working days (%).....	90	100	100	<b>90</b>
illicit drug seizures completed within				
11 working days (%).....	90	92	92	<b>90</b>
major illicit drug seizures and				
manufacturing completed within				
44 working days (%).....	90	91	91	<b>90</b>
other illegal drug activities completed				
within 120 working days (%).....	90	97	97	<b>90</b>
analytical toxicology completed within				
33 working days (%).....	85	90	86	<b>85</b>
drug urinalysis -				
methadone clinics completed within				
11 working days (%).....	90	91	92	<b>90</b>
judicial-confirmation (routine)				
completed within				
22 working days (%).....	85	88	93	<b>85</b>
judicial-confirmation (enhanced				
probation) completed within				
six working days (%).....	100	100	100	<b>100</b>
drug-driving completed within				
33 working days (%).....	85	100	100	<b>85</b>
drink-driving completed within				
11 working days (%).....	90	100	98	<b>90</b>
handwriting examination completed within				
66 working days (%).....	85	100	100	<b>85</b>
counterfeiting/forgery completed within				
30 working days (%).....	90	97	99	<b>90</b>
express counterfeiting/forgery service				
completed within				
one working day (%).....	99	100	100	<b>99</b>

Δ The figures represent the number of working days lapsed between the reception by the Laboratory of samples for genetic testing and the issuing of genetic data after completion of DNA analysis of these samples within the Laboratory.

### *Indicators*

Key indicators for the forensic science services are the number of cases investigated in each category, statutory certificates or technical reports and witness statements issued and crime scenes attended.

	2023 (Actual)	2024 (Actual)	2025 (Estimate)
<i>Criminalistics and Quality Management Group</i>			
cases investigated			
DNA database .....	2 751	2 658	<b>2 700</b>
biochemical sciences -			
non-complicated.....	922	827	<b>900</b>
complicated .....	1 336	1 348	<b>1 400</b>
parentage testing .....	524	2 374	<b>2 600</b>
chemical sciences.....	575	560	<b>570</b>
physical sciences.....	838	756	<b>800</b>

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	2023 (Actual)	2024 (Actual)	2025 (Estimate)
<i>Drugs, Toxicology and Documents Group</i>			
cases investigated			
controlled drugs.....	3 759	3 412	<b>3 500</b>
analytical toxicology .....	2 333	2 210	<b>2 400</b>
drug urinalysis -			
methadone clinics.....	4 596	3 987	<b>4 000</b>
judicial-confirmation (routine).....	12 585	11 804	<b>12 000</b>
judicial-confirmation (enhanced probation).....	1 534	1 279	<b>1 400</b>
drug-driving .....	42	39	<b>40</b>
drink-driving .....	38	59	<b>50</b>
questioned documents .....	238	244	<b>240</b>
<i>Forensic Science Division</i>			
statutory certificates issued .....	3 944	3 607	<b>3 700</b>
technical reports/statements .....	11 805	13 267	<b>13 000</b>
crime scenes attended.....	440	389	<b>400</b>

***Matters Requiring Special Attention in 2025–26***

**16** During 2025–26, the Laboratory will continue to provide impartial forensic science support to government departments to combat crime and drug abuse.

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### ANALYSIS OF FINANCIAL PROVISION

	2023–24 (Actual) (\$m)	2024–25 (Original) (\$m)	2024–25 (Revised) (\$m)	2025–26 (Estimate) (\$m)
<b>Programme</b>				
(1) Statutory Testing.....	282.2	300.2	300.6	<b>309.8</b>
(2) Advisory and Investigative Services .....	109.1	113.7	114.0	<b>109.0</b>
(3) Forensic Science Services.....	215.8	216.6	217.1	<b>222.0</b>
	607.1	630.5	631.7 (+0.2%)	<b>640.8</b> (+1.4%)
				<b>(or +1.6% on 2024–25 Original)</b>

#### Analysis of Financial and Staffing Provision

##### Programme (1)

Provision for 2025–26 is \$9.2 million (3.1%) higher than the revised estimate for 2024–25. This is mainly due to increased requirement for procurement of equipment and specialist supplies, and other operating expenses. In addition, there will be a net decrease of two posts.

##### Programme (2)

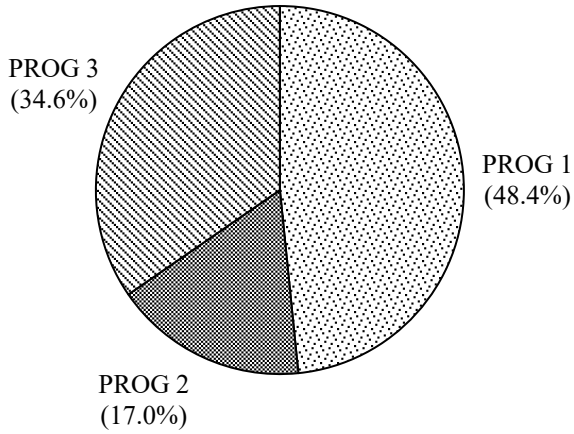
Provision for 2025–26 is \$5.0 million (4.4%) lower than the revised estimate for 2024–25. This is mainly due to reduced requirement for procurement of equipment and specialist supplies.

##### Programme (3)

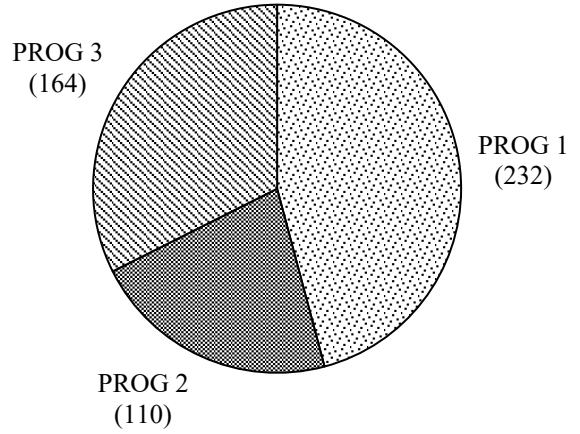
Provision for 2025–26 is \$4.9 million (2.3%) higher than the revised estimate for 2024–25. This is mainly due to increased requirement for procurement of equipment and specialist supplies. In addition, there will be a net decrease of one post.



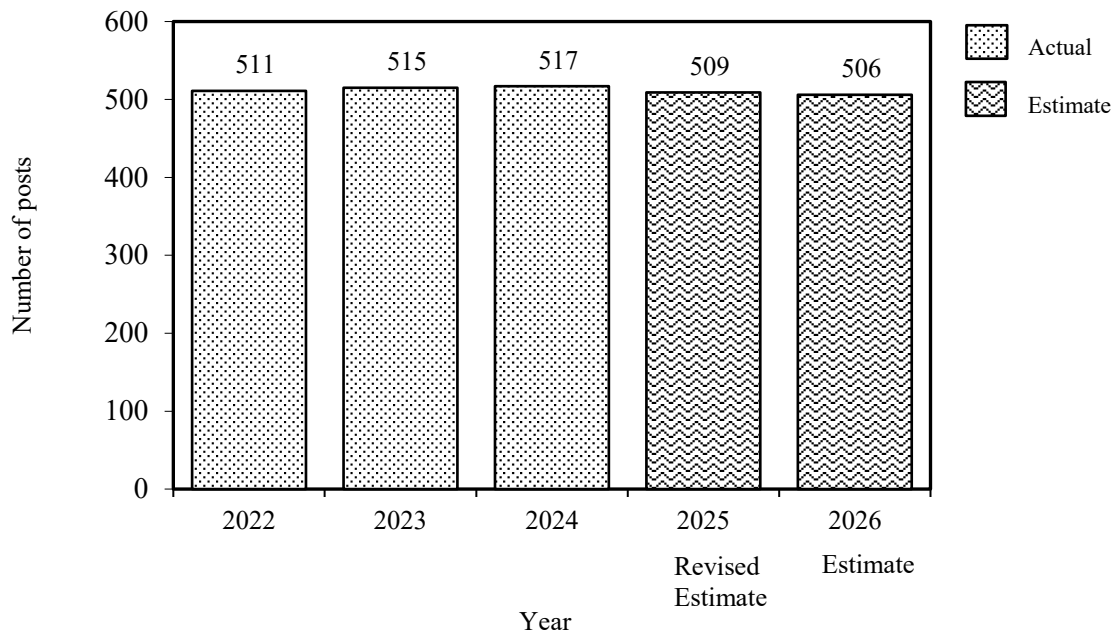
*Allocation of provision to programmes (2025-26)*



*Staff by programme (as at 31 March 2026)*



*Changes in the size of the establishment (as at 31 March)*



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Sub-head (Code)	Actual expenditure 2023–24	Approved estimate 2024–25	Revised estimate 2024–25	<b>Estimate 2025–26</b>	
	\$'000	\$'000	\$'000	<b>\$'000</b>	
<b>Operating Account</b>					
Recurrent					
000	Operational expenses .....	547,509	570,269	571,444	<b>580,545</b>
	Total, Recurrent.....	547,509	570,269	571,444	<b>580,545</b>
	Total, Operating Account .....	547,509	570,269	571,444	<b>580,545</b>
<hr/>					
<b>Capital Account</b>					
Plant, Equipment and Works					
661	Minor plant, vehicles and equipment (block vote).....	59,639	60,220	60,220	<b>60,223</b>
	Total, Plant, Equipment and Works.....	59,639	60,220	60,220	<b>60,223</b>
	Total, Capital Account.....	59,639	60,220	60,220	<b>60,223</b>
<hr/>					
	Total Expenditure .....	607,148	630,489	631,664	<b>640,768</b>
		<u>607,148</u>	<u>630,489</u>	<u>631,664</u>	<u><b>640,768</b></u>

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### Details of Expenditure by Subhead

The estimate of the amount required in 2025–26 for the salaries and expenses of the Government Laboratory is \$640,768,000. This represents an increase of \$9,104,000 over the revised estimate for 2024–25 and \$33,620,000 over the actual expenditure in 2023–24.

#### *Operating Account*

#### Recurrent

2 Provision of \$580,545,000 under *Subhead 000 Operational expenses* is for the salaries, allowances and other operating expenses of the Government Laboratory.

3 The establishment as at 31 March 2025 will be 509 posts. It is expected that there will be a net decrease of three posts in 2025–26. Subject to certain conditions, the controlling officer may under delegated power create or delete non-directorate posts during 2025–26, but the notional annual mid-point salary value of all such posts must not exceed \$359,943,000.

4 An analysis of the financial provision under *Subhead 000 Operational expenses* is as follows:

	2023–24 (Actual) (\$'000)	2024–25 (Original) (\$'000)	2024–25 (Revised) (\$'000)	<b>2025–26 (Estimate) (\$'000)</b>
Personal Emoluments				
- Salaries .....	378,102	394,989	396,164	<b>399,661</b>
- Allowances .....	2,733	2,760	2,760	<b>2,760</b>
Personnel Related Expenses				
- Mandatory Provident Fund contribution .....	800	929	929	<b>1,110</b>
- Civil Service Provident Fund contribution .....	32,078	36,458	36,458	<b>38,971</b>
Departmental Expenses				
- General departmental expenses .....	133,796	135,133	135,133	<b>138,043</b>
	547,509	570,269	571,444	<b>580,545</b>