

**MINISTRY OF NATIONAL INFRASTRUCTURE  
AND COMMUNITY DEVELOPMENT  
(NATIONAL INFRASTRUCTURE DIVISION)**



**ANNUAL REPORT  
FINANCIAL YEAR 2022/2023**

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# Part I




## About the Ministry

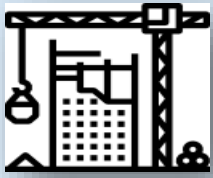
### Vision and Mission



World Class, Eco-Friendly, Sustainable, Accessible, Safe and Energy Efficient Building Infrastructure and Road Network



	<p>To ensure that all Government buildings are designed, constructed and maintained with the highest level of safety, sustainability, eco-friendliness and inclusiveness, in accordance with international norms, standards and practices.</p>
	<p>To ensure that Government vehicles, plant and equipment are procured, maintained and disposed of in an efficient, eco-friendly and cost-effective manner.</p>
	<p>To construct and maintain Motorways, Main Roads and Bridges in a cost-effective manner in line with sustainable and international norms, standards and practices and to ensure mobility in comfort and safety of the population and economic operators.</p>



To provide a legal and institutional framework which is conducive for the growth of the construction industry.

## Values of the Ministry

- Integrity
- Innovation
- Quality
- Teamwork
- Timeliness
- Excellence
- Trust
- Cost effectiveness
- Safety
- Equity

## Statement of the Honourable Minister of National Infrastructure and Community Development



It is an honour and a privilege, as Minister of National Infrastructure and Community Development, to share a few words in this Annual Report of the National Infrastructure Division for the financial year 2022-2023, for a fourth year running.

Undoubtedly, being at the centre of probably one of the busiest Ministries, the National Infrastructure Division remains at the heart of the tremendous and unprecedented infrastructural development the country is witnessing at present.

It is indeed a matter of pride for the officers of the Division founding themselves to be at the service of their colleagues. How? Not many Ministries/Departments have the opportunity to call other institutions their “clients”. But, we do. Anywhere we go in the Republic, for any public building that has been constructed, renovated or maintained, there is at least one “*bold*” officer of the National Infrastructure Division who contributes to that implementation.

We have transformed schools into academies to be in line with Government policy. We have actively participated in the setting up of new hospitals and health centres to bring health services at the doorstep of a larger crowd. And not the least, we have successfully delivered a modern and state of the art integrated Urban Terminal, the first of its kind in Mauritius.

This, in itself, speaks volumes on the extent of the accomplishments of the National Infrastructure Division. On another note, the various other incentives taken at the level of the Ministry to improve our services are laudable. For instance, the crash course undergone by the officers of the Mechanical Engineering Division on road accidents, or the various workshops organised by the Construction Industry Development Board or again the introduction of a new technology, “*PROMIS*”, for project monitoring.

We are perfecting ourselves to be better equipped to serve our country in the best of our capabilities. Now, with the Landslide Hazard Map and the upcoming Landslide Management Plan, we are taking a giant leap ahead in our mission to build our country’s resilience in the wake of climate change.

Once again, I wish to extend my gratitude to all personnel, the engineers, the architects, the quantity surveyors, the electricians and all officers for the tremendous work accomplished so far.

Year 2024 is, no doubt, a crucial year in our endeavour to modernize further our country and leave a legacy that will last for generations. But, I am confident I can rely on the *MNI Family*, as we tend to say, to reach this goal.

**M.S. Hurreeram  
Minister**

## Permanent Secretary's Statement



It is an immense pleasure and pride for me to be writing these few lines to bring out the main achievements of the National Infrastructure Division of the Ministry of National Infrastructure and Community Development for the Financial Year 2022/23.

But before coming to achievements, I would like to express my gratitude to the former Accounting Officer, Mr Dhanunjaye Gaoneadry with whom I had the opportunity to actively participate in discussions and finalise the programmes of the Ministry for the preceding year. Actually, I assumed the responsibilities of Accounting Officer as Acting Permanent Secretary as from 19 April 2023.

Indeed, it has been a challenge for me to ensure the continuity of all the projects and programmes, and also to handle the day-to-day administrative matters of this complex Ministry, especially as I assumed the double role of Accounting Officer as well as that of my substantive post of Deputy Permanent Secretary.

The Ministry of National Infrastructure and Community Development, as rightly pointed out by the Honourable Minister on several platforms, is the architect of tomorrow's Mauritius – "*nous sommes les batisseurs*" – using his own words. Indeed, all the tangible transformations that we witness today all around the Island, bear the seal of MNI.

An amount of Rs3.5 Billion has been spent in the implementation of different road projects, including the maintenance and rehabilitation of existing ones. Five major road projects were completed during the year – Construction of Verdun Bypass, Upgrading of Constance Bridge along B117 Road at St Remi, Landslide Works at Chamarel and Construction of the Flyover at Quay D.

Under the Maintenance and Rehabilitation of Roads programme, the Road Development Authority which is an executive arm of the Ministry, has carried out the fixing of some 3,250 meters of guardrails and handrails, construction of some 1,725 meters of new footpaths and drains, rehabilitation of some 19,700 meters of footpaths and drains, and resurfacing of some 75 kms of roads all around the Island.

In the building infrastructure side, a total of around 176 projects estimated at a total value of around Rs 2.2 billion have been managed by the technical sections of the Ministry. These excludes the around 150 minor projects to the tune of Rs 465M implemented by the Civil Engineering Section under its Framework Agreement. The Mechanical Engineering Section carried out more than 1,600 interventions for the maintenance and repairs of Government vehicles, plant and equipment, including 380 examination of Government vehicles involved in road accidents. The Energy Services Division has carried out a remarkable number of 18,800 interventions in Government buildings involving troubleshooting, maintenance and electrical installations, and fire/electrocution cases.

A more comprehensive insight in the achievements of the different sections of the Ministry is provided in the relevant sections of the Report.

The coming year promises new challenges. The dynamic nature of the sector that the construction industry is, warrants constant review of its structural and legislative frameworks. In this perspective the Construction Industry Authority is being set up to revigorate the sector with enhanced power and a new vision for the next 20 years of more. The Ministry has embarked on the accreditation of the Material

Testing Laboratory with a view to promoting its trustworthiness and greater acceptance at both local and regional levels. The Ministry will also shortly start the process of ISO Certification for the Energy Services Division and the Repair Unit of the Civil Engineering Section. Training and capacity building, and promotion of more female participation in the construction sector will remain among the key objectives of the Ministry.

Together we can reach still higher heights. I have no doubt on the continued support, dedication and commitment of all the staff, specially the five Technical Directors and their Deputies - Architecture, Civil Engineering, Quantity Surveying, Mechanical Engineering and the Energy Services Division. I avail of this opportunity to thanks them all.

Last but not the least, I would like to express my appreciation and gratitude to the Honourable Minister of National Infrastructure and Community Development for his vison, guidance and personal involvement in getting things happen.

**Geeanessswar Bundhooa**  
**Permanent Secretary**



## **Roles and Functions of the Ministry**

The Ministry of National Infrastructure and Community Development (National Infrastructure Division) provides professional technical assistance to Ministries/Departments for the implementation of Government infrastructural projects.

### **Key functions**

- To provide technical assistance to Ministries/Departments in the design, execution, monitoring and supervision of Government infrastructural projects.
- To maintain Government buildings and assets.
- To advise Ministries/Departments in the procurement, maintenance, repairs and disposal of vehicles, plants and mechanical equipment and ensure that repairs and maintenance are done in a cost-effective manner.
- To advise and monitor the renting of office space by Ministries/Departments.
- To regulate and facilitate the development of the construction sector.
- To develop, preserve and maintain the classified road networks, including bridges, tunnels and fly-overs.

# General Administration

## GENERAL ADMINISTRATION

**Administration**

**Finance**

**Procurement**

**Human Resources**

**Internal Control**

- Responsible for general administration of the Ministry, human resource processes, internal control activities, finance matters and procurement issues.

**Architecture**

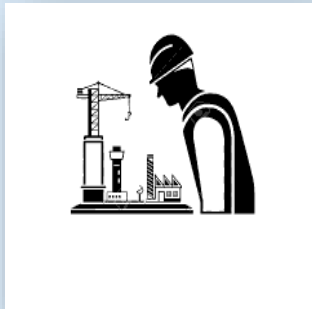


### Technical sections

#### Responsible for:

- implementation of building projects for Ministries and Departments, from inception to completion, commissioning and close out;
- advising Government on architectural matters and on the practice of Architecture; and
- coordination and monitoring of the projects implemented by consultants.

**Civil Engineering Section**



#### Responsible for:

- structural design and supervision of building projects for Ministries and Departments;
- maintenance of Government buildings;
- landslide management;
- materials testing; and
- implementation of renovation and minor repair works under the Framework Agreement.

**Quantity Surveying  
Section**



#### Responsible for:

- preparation of cost estimates and bidding documents for building projects for Ministries and Departments;
- valuation of works in progress;
- issuing payment certificates; and
- providing contract advice.

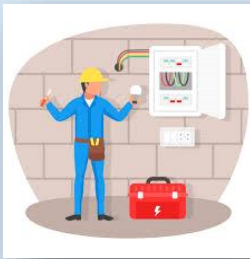
## Mechanical Engineering Section



### Responsible for:

- repairs of Government vehicles, plant and equipment;
- design and supervision of installations, testing, commissioning and maintenance of mechanical systems for building projects; and
- advising Ministries and Departments on Mechanical Engineering matters.

## Energy Services Division



### Responsible for:

- design, supervision and commissioning of electrical installations in building projects for Ministries and Departments;
- provision of electrical engineering services to Government-owned buildings;
- maintenance services of the electrical systems (including air conditioning systems, lifts, standby generators, photovoltaic systems); and
- advising Ministries/Departments on Electrical Engineering matters.

## About our People

The National Infrastructure Division is headed by a Permanent Secretary who is also the Accounting Officer. He is assisted by Deputy Permanent Secretaries, Assistant Permanent Secretaries and officers of the professional and other cadres as well as officers of the general services.

The technical arm of the National Infrastructure Division is organised into five sections namely, Architecture, Civil Engineering, Mechanical Engineering, Quantity Surveying and the Energy Services Division (ESD). Each of these sections is headed by a Director, who is supported in his/her functions by Deputy Directors and team of officers from the professional and technical cadres.

### Human Resources for FY 2022/2023

The National Infrastructure Division had, as at 30 June 2023, a total of 1,051 employees in various grades, with most of the officers in the professional and technical cadres as well as the workmen's class being of male gender. On the other hand, the vast majority of the officers from the General Services were of female gender.

<b>Staffing Structure</b>			
<b>Grade</b>	<b>No. of Male Staff</b>	<b>No. of Female Staff</b>	<b>Total No. of Staff</b>
Professional Cadre and Technical Grades	<b>269</b>	<b>28</b>	<b>297</b>
Inspectorate Cadre	<b>22</b>	<b>6</b>	<b>28</b>
Pre-Registration Trainee Engineer (Civil, Mechanical, Electrical and Architect)	<b>26</b>	<b>6</b>	<b>32</b>
Administrative Cadre	<b>4</b>	<b>4</b>	<b>8</b>
Human Resources Cadre	<b>1</b>	<b>10</b>	<b>11</b>
Finance Cadre	<b>2</b>	<b>14</b>	<b>16</b>
Procurement and Supply Cadre	<b>7</b>	<b>6</b>	<b>13</b>
Internal Control Cadre	<b>2</b>	<b>2</b>	<b>4</b>
Officers from Central Information Systems Division (CISD)	<b>0</b>	<b>3</b>	<b>3</b>
Safety and Health Officer	<b>1</b>	<b>0</b>	<b>1</b>
Secretarial Class		<b>29</b>	<b>29</b>
General Services	<b>27</b>	<b>99</b>	<b>126</b>

Telephonist/Receptionist	1	6	7
Printing Class	0	2	2
Workmen's Class	394	68	462
Machine Minder/Senior Machine (Bindery)	1	0	1
Senior Adviser	2	0	2
Adviser on Public Relations Matters	1	0	1
Architect on contract	0	0	0
Geotechnical Expert on Contract	1	0	1
Geotechnical Specialist	1	1	2
Youth Employment Programme	1	1	2
Service to Mauritius	2	0	2
Facilities and Maintenance Officer	1	0	1
<b>Total</b>	<b>766</b>	<b>285</b>	<b>1051</b>

**84 vacancies were filled during financial year 2022/2023 in the different grades as listed below:**

Grades	Mode of Recruitment								Total
	Public Service Commission		Ministry of Public Service, Administrative and Institutional Reforms		Under Delegated Authority		Ministry of Finance, Economic Planning and Development		
	Male	Female	Male	Female	Male	Female	Male	Female	
Professional Cadre and Technical Grades	36	5	-	-	-	-	-	-	41
Administrative Cadre	1	1	-	-	-	-	-	-	2
Inspectorate Cadre	5	-	-	-	-	-	-	-	5
Finance Cadre	-	-	-	-	-	-	2	2	4
Secretarial Class	-	-	-	3	-	-	-	-	3
General Service	-	-	-	11	-	-	-	-	11
Workmen's Class	1	-	1	1	13	2	-	-	18
<b>Total</b>	<b>43</b>	<b>6</b>	<b>1</b>	<b>15</b>	<b>13</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>84</b>

## Senior Management Team: as at 30 June 2023

### ADMINISTRATIVE CADRE

#### Senior Chief Executive

Mr GAONEADRY Dhanunjaye (Date of retirement: 19 April 2023)

Permanent Secretary  
Mr BUNDHOOA Geeanesswar  
Phone : 208 0281  
Email : psmimpi@govmu.org

Deputy Permanent Secretary  
Mrs CODADEEN Bibi Taslimah  
Phone : 208 0922  
Email : trozun@govmu.org

Deputy Permanent Secretary  
Mr BUHOOA Eranand  
Phone : 210 7270  
Email : ebuhooa@govmu.org

Assistant Permanent Secretary  
Mr RAMTOHUL Vasant  
Phone : 211 0757  
Email : vramtohul@govmu.org

Assistant Permanent Secretary  
Ms RAMBACCUS Rameshwaree  
Phone : 210 8664  
Email : rambaccus@govmu.org

Assistant Permanent Secretary  
Mr Christian ARLANDA  
(date of transfer: 16.01.2023)

Assistant Permanent Secretary  
Mrs IYEMPAROOMA Kaajal Purnima  
Phone : 211 4733  
Email : pyemparooma@govmu.org

Temporary Assistant Permanent Secretary  
Mr TACKOORY Yashvin  
(since 11.01.2023)  
Phone : 208 0281 ext 330  
Email : ytackoory@govmu.org

Temporary Assistant Permanent Secretary Miss  
CHEEKOORY Pourveshi  
(since 20.04.23)  
Phone : 208 0281 ext 322  
Email : pcheekoory@govmu.org

### ARCHITECTURE

Director (Architecture)  
Mrs JAYPAL Smriti  
Phone : 660 0312  
Email : smjaypal@govmu.org

Deputy Director (Architecture)  
Mr CALLYCHURN Rajnath  
Phone : 660 7065  
Email : rcallychurn@govmu.org

**Deputy Director (Architecture)**  
**Mrs APPADOO Barendar Kaur**

Phone : 660 0314  
Email : bkappadoo@govmu.org

### **CIVIL ENGINEERING**

**Director (Civil Engineering)**  
**Mr JHUBOO Dashwanyl**

Phone : 696 8608  
Email : jhubooanil1@yahoo.com

**Deputy Director (Civil Engineering)**  
**Mr CHINASAMY DEEVARAJAN**

Phone : 686 6369  
Email : repairunit@gmail.com

### **QUANTITY SURVEYING**

**Director (Quantity Surveying)**  
**Mr RAMDYAL Sanjay Kumar**

Phone : 660 0052  
Email : sramdyal@govmu.org

**Deputy Director (Quantity Surveying)**  
**Mr DOMUN Anwar**

Phone : 660 0054  
Email : [andomun@govmu.org](mailto:andomun@govmu.org)

### **MECHANICAL ENGINEERING**

**Director (Mechanical Engineering)**  
**Mr RAMFUL Poorun**

Phone : 208 1871  
Email : pramful@govmu.org

**Deputy Director (Mechanical Engineering)**  
**Mr RAMSURRUN Vivekanand Bissoon**

Phone : 208 1871/2/3  
Email : vivekramsurrund@yahoo.com

### **GEOTECHNICAL UNIT**

**Geotechnical Expert**  
**Mr ICHIKAWA Kensuke**

Phone : 5719 4056  
Email : geotimer@gmail.com

**Geotechnical Specialist**  
**Mr DABYCHARUN Bhoopendra**

Phone : 5251 8004  
Email : dabycharbj@gmail.com

**Geotechnical Specialist**  
**Mrs CHUKOWRY GOORAPAH Trishnah Devi**

Phone : 5917 8891  
Email : tgoorapah@govmu.org

### **ENERGY SERVICES DIVISION**

**Temporary Director, Energy Services Division**  
**Mr JINGREE Soochiraj**

Phone : 214 3870  
Email : sjingree@govmu.org



## **HUMAN RESOURCE**

**Manager, Human Resources**

**Mr Lacroche**

**(date: 19.07.2017 to 22.01.2023)**

**Mrs APPANAH Banumati**

**(as from 08.02.2023)**

Phone : 208 0281 Ext 294 / 213 6891

Email : bappanah@govmu.org

**Mrs DEWKURRUN Maneeta**

**Assistant Manager, Human Resources**

**Phone : 208 0281 Ext 296**

**Email : mdewkurrun@govmu.org**

**Assistant Manager, Human Resources**

**Mrs PANCHOO Parmawtee Devi**

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Email : dpanchoo@govmu.org

## **FINANCE SECTION**

**Manager, Financial Operations**

**Mrs CAVAREE Letchmee**

Phone : 214 4089

Email : lcavaree@govmu.org

**Assistant Manager, Financial Operations**

**Mrs RAMCHURN Lilowtee**

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Email : lramchurn@govmu.org

**Assistant Manager, Financial Operations**

**Mrs CHOWRIMOOTOO Pratima Devi**

Phone : 214 4091

Email : pchowrimootoo@govmu.org

**Assistant Manager, Financial Operations**

**Mrs GOKHUL Nirmala**

Phone : 214 4091

Email : [ngokhul@govmu.org](mailto:ngokhul@govmu.org)

**Assistant Manager, Financial Operations**

**Mr TULLOO Shahjehan Sheik Khalil**

**(07.02.2023 – 12.06.2023)**

**Assistant Manager, Financial Operations**

**Mr SUDALLY Salim Raza**

**(03.02.2021 – 13.02.2023)**

**Manager, Procurement and Supply**

**Mr KOONJUL Jaykissoon**

Phone : 214 3876

Email : jkcoonjul@govmu.org

**Assistant Manager, Procurement and Supply**

**Mr ISURI Ramchandar**

**(09.10.2019 – 30.03.2023)**

**Assistant Manager, Procurement and Supply**

**Mr SK HEERAH Mamode Sawood**

Phone : 208 1871

Email : mskheerah@govmu.org

**Assistant Manager, Procurement and Supply**

**Mrs HOSANY Bibi Aisha**

Phone : 214 3879

Email : ahosany@govmu.org

## **INTERNAL CONTROL**

**Manager, Internal Control**  
**Mrs OREE Bhima**  
**(22.01.2019 – 30.08.2022)**

**Manager, Internal Control**  
**Mr RAMDOWAR Dheeraj**  
**(as from 08.09.2022)**

Phone : 208 0281  
Email : dramdowar@govmu.org

## **WORKS CADRE**

**Head, Work Cadre**  
**Mr RAMNOCHANE Indradeo**

Phone : 212 1911  
Email : iramnochane.mni@gmail.com

**Temporary Superintendent of Works, Zone 1**  
**Mr RAMKALAWON Janak Kumar**

Phone : 433 4493  
Email : atish.ramkalawon@gmail.com

**Chief Inspector of Works, Zone 1**  
**Mr BUNDHOO Ajaykumar**

Phone : 212 1911

**Temporary Chief Inspector of Works, Zone 3**  
**Mr RAMKALAM Teshwar**

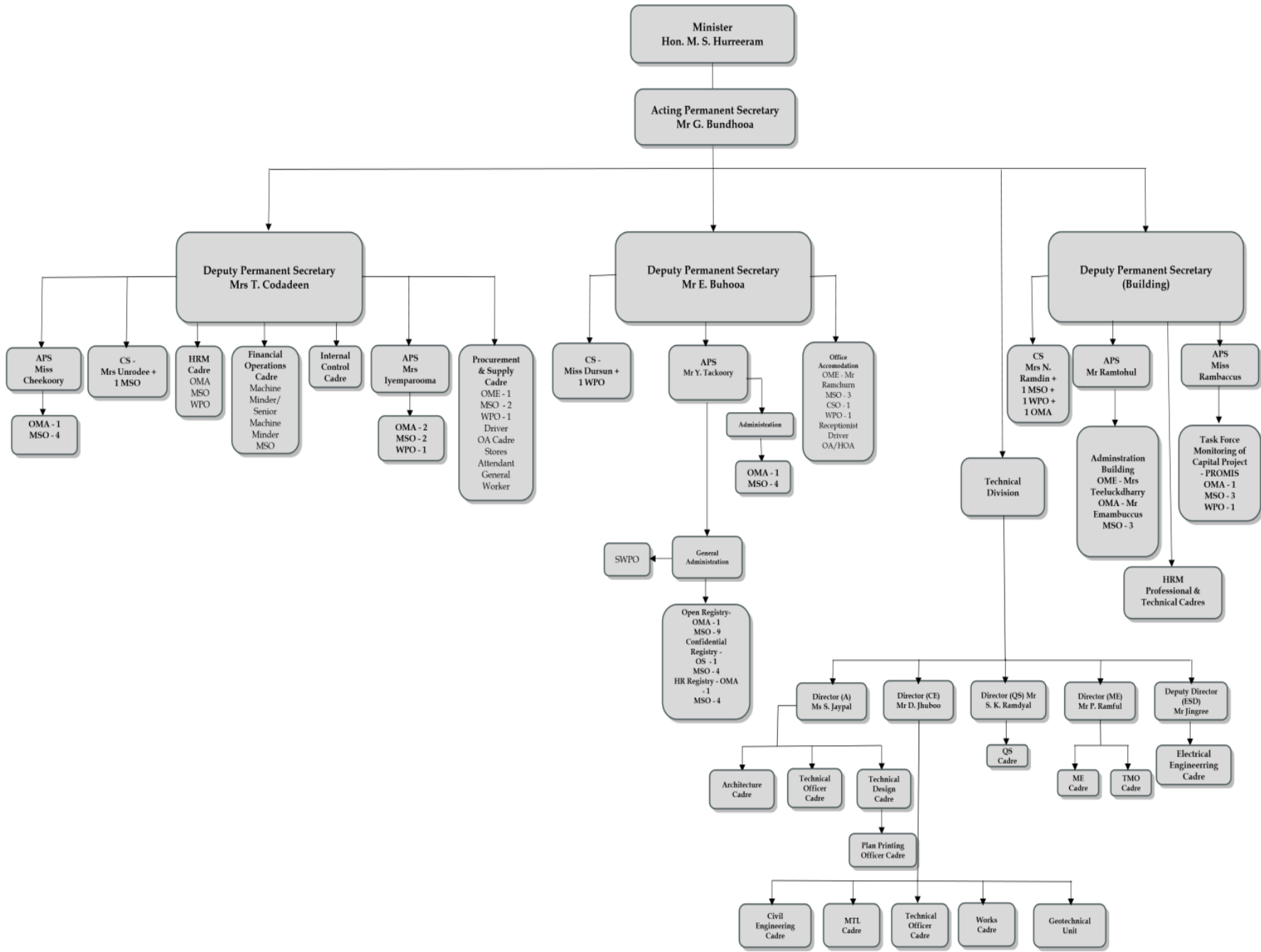
Phone : 674 9487  
Email : tramkalam@gmail.com

## **Obituary Section**

In memory of officers of the Ministry having passed away, during the service from 01 July 2022 to 30 June 2023

<b>Sn</b>	<b>Name</b>	<b>Grade</b>	<b>Date</b>
1.	<b>Mrs SOHATEE Bhanoomatee</b>	<b>Management Support Officer</b>	<b>28 October 2022</b>
2.	<b>Mr BHUNJUN Chetanansingh</b>	<b>Driver</b>	<b>22 November 2022</b>
3.	<b>Mr LACLOCHE Louis Christian</b>	<b>Manager, Human Resources</b>	<b>23 January 2023</b>
4.	<b>Mr LA BÊCHE Louis Sydney Pascal</b>	<b>Driver</b>	<b>13 February 2023</b>
5.	<b>Mr RUJUBALLY Rody Nadil</b>	<b>General Worker</b>	<b>02 April 2023</b>

# Organization Structure



## Statutory Bodies

The National Infrastructure Division has two statutory bodies operating under its purview, namely the Road Development Authority (RDA) and the Construction Industry Development Board (CIDB).



### The Road Development Authority

#### Human Resource at the Road Development Authority

##### *Staffing at RDA*

As at 30<sup>th</sup> June 2023, the RDA had a total workforce of 429 employees on its establishment with 373 male and 56 female employees. The RDA is laying emphasis to increase the number of women in its technical cadres. The recruitment of more female candidates over the past year, across all cadres speaks for itself, particularly in the Engineering, Technical, Financial, Administrative as well as Survey Sections. Additionally, as one of the rare parastatal bodies doing so, the advertisements for vacancies on the establishment of the Authority carry a special mention encouraging female candidates to apply.

#### Major Achievements

##### Status on Implementation of Budget Measures

For the Financial Year 2022/23, a total sum of Rs 3,521 M was spent in the implementation of the different projects (including Road Decongestion Programme, Covid-19 Project Development, NECCF Projects and Maintenance & Rehabilitation of existing roads) out of the budgetary provision made at an amount of Rs 4,040.05M. This represented an expenditure of around 87% of the total amount budgeted. This Financial Year was marked by an exceptional financial performance. While procurement delays and litigations for land acquisition were the cause for not reaching further budgetary expenditure, it is, however, to be noted that the remaining amount was already committed in the next budget period.

The chart below illustrates the Budgetary Expenditure for the last Financial Year.

*Projects completed in 2022/2023*

<b>Project</b>	<b>Project Value (Rs M)</b>	<b>Payment Effected as at 30<sup>th</sup> June 2023 (Rs M)</b>
<b>Construction of Verdun Bypass</b>	<b>403.2</b>	<b>227.2</b>
<b>Upgrading of Constance Bridge along B117 Road at St Remi</b>	<b>57.2</b>	<b>40.97</b>
<b>Landslide Works at Chamarel</b>	<b>367.8</b>	<b>145.64</b>
<b>Design and Construction of Flyover at Quay D</b>	<b>372.2</b>	<b>281.8</b>



*Quay D Flyover*



*Constance Bridge*



*Land slide Works at Chamarel*

**Ongoing Projects in 2022/2023**

Project	Project Value (Rs M)	Payment Effected (Rs M)	
		as at 30.06.2023	Cumulative as at date
Construction of A1-M1 Bridge	4,663	673.14	4,314.5
Construction of Bois Cheri Bypass	256.8	59.86	59.9
La Vigie – la Brasserie Phase 1	750.8	191.20	487.1
Construction of Bridge at Baie du Tombeau (Pont Bruniquel)	171.2	27.0	27.0
Land Stabilisation at Riviere des Creoles	79.8	25.82	41.6
Land Stabilisation at Batelage Souillac	95.6	20.0	54.7
Purging of Rock at Maconde Cliff	46.0	2.57	7.2
Interchange construction and Improvement along M3-A14 corridor at Ebene	524.2	153.3	235.5
Drain work along A10 road at Nouvelle France	90.7	57.5	57.5
La Brasserie – Beaux Songes – Phase 2 (Works & Consultancy)	1,572.8	168.3	168.3
Grade Separated Junction at Wooton	450	96.0	96.0
Construction of Flyover on Motorway m2 at Terre Rouge	427.1	85.0	85.0
Flood mitigation measures at Anse Jonchee	183.5	39.2	39.2
Grade Separated Junction to link Verdun Bypass to St Pierre Bypass	547	187.5	187.5

## *Maintenance and Rehabilitation of Roads*

### *Fixing of Guardrails and Handrails*

<b>District</b>	<b>Fixing of Guardrails and Handrails/m</b>
Port Louis	650
Black River	650
Pamplemousses	300
Grand Port	650
Savanne	500
Plaine Wilhems	500
<b>TOTAL</b>	<b>3,250</b>

### *Construction of New Footpath and Drain*

<b>District</b>	<b>Construction of New Footpath and Drain/m</b>
Black River	150
Moka	575
Pamplemousses	650
Riviere du Rempart	350
<b>TOTAL</b>	<b>1,700</b>

### *Rehabilitation of Footpath and drain*

<b>District</b>	<b>Rehabilitation of Footpath and drain/m</b>
Port Louis	1,400
Black River	1,150
Moka	1,500
Flacq	1,700
Pamplemousses	1,600
Riviere du Rempart	2,050
Grand Port	3,500
Savanne	3,650
Plaine Wilhems	3,150
<b>TOTAL</b>	<b>19,700</b>

### *Resurfacing of Roads*

<b>District</b>	<b>Resurfacing/km</b>
Port Louis	4.2
Black River	3
Moka	15.8
Flacq	14
Pamplemousses	8.2
Riviere du Rempart	8.27
Grand Port	7
Savanne	3.2
Plaine Wilhems	10.9
<b>TOTAL</b>	<b>74.6</b>

### **Public-Private Partnership**

The RDA is pursuing its activities by teaming up with private organisations, in line with the vision of Government, for easing the developing smart cities in view to further boosting the economy. Construction of road infrastructure connecting the existing road network to smart cities is being jointly financed by Government and private companies where required. RDA is ensuring that these infrastructures are constructed as per required road standards by overseeing the projects.

During the period under review, the Authority has successfully paired with two private organisations namely ENL and Medine for the Construction of a Grade Separated Junction at Verdun and the Flic-en-Flac Bypass, respectively.



## *Status on Implementation of Key Actions*

<b>Key Action</b>	<b>Key Performance Indicator</b>	<b>Target 2022/2023</b>	<b>Actual as at 30 June 2023</b>	<b>Remarks</b>
KA -Develop and maintain a high standard classified road network, including highways	Construction of Quay D Flyover	100%	100%	Target Achieved
	Construction of La Vigie-La Brasserie Link Road	100%	80%	Delay in progress of work due land acquisition and access to site and inclusion of Cycle Lane within the project
	Construction of La Brasserie-Beau Songes Link Road	30%	5%	Delay in progress of work due land acquisition and slow progress. Contractor has been requested to take mitigation measures to bridge delays.

### *Road Technologies*

#### *Use of Recycled Asphalt*

The RDA has introduced the use of recycled asphalt in its road maintenance programme through the Framework Agreement for Maintenance as part of its policy to address the adverse effects of climate change and building resilient infrastructure and promoting sustainable development. During the period under review, RDA pursued its programme for resurfacing of roads with recycled asphalt.

#### *Bicycle Lane Network*

The concept of bicycle lanes aims at enhancing safety and reducing congestion while promoting exercise and healthy habits, in line with Government's vision. The RDA has implemented bicycle lane in the Verdun Bypass project and is ensuring that all new projects cater for bicycle lanes.

#### *Solar Lighting*

In line with the 2030 Agenda for Environment and Sustainable Development Goals, the Road Development Authority has embarked on two major ongoing pilot projects for the testing of Stand-Alone Solar Led Street Lighting, one of which is in Riche Terre and the other on the central plateau in Petit Camp. Solar Street Lighting has also been implemented along B104 road for the Landslide/Slope Treatment at Baie du Cap – Chamarel and along the realigned part of Savanne Road (A9) in the context of the forthcoming Riviere des Anguilles dam project at Tyack. Such environment friendly

and use of clean energy method will be pursued progressively within the existing and new roads under purview of the RDA.



### ***Vertical Landscaping***

To curb the ill effects of pollution caused by vehicles as well as to make our roads infrastructure more visually appealing, the RDA is endeavouring to provide lumps of green space to the concrete world, through the introduction of vertical garden/landscaping on concrete Mechanically Stabilized Earth (MSE) walls, usually found on flyovers. Such vertical garden/landscaping will allow plants to grow on the walls and other surfaces.

The Phoenix flyover has been earmarked for such landscaping on a pilot basis. The MSE wall will be covered with plants enhancing the visual experience of travelling across the flyover.





# The Construction Industry Development Board

## Achievements of CIDB for Financial Year 2022/2023

### Introduction:

The Construction Industry Development Board (CIDB), is a statutory body established under the CIDB Act 2008.

The overriding objective of the CIDB is to promote the development and improvement of the Construction Industry. The CIDB has a total of 18 employees.

The main function of the CIDB is to register the providers of construction services and works in the construction sector. The CIDB is also involved in conducting surveys in the industry, developing standard forms of contracts/agreements, publishing Indicative Schedule of Rates, promoting training programmes for operators of the industry, among other functions.

#### 1. **Launching of the E-Registration System**

The CIDB started the registration of Consultants and Contractors in 2014. The registration system has since then continually been enhanced with a view to streamlining the processes for the benefit of the stakeholders. In its endeavour to improve the registration process, the CIDB initiated procedures for the introduction of an electronic registration system. The State Informatics Ltd (SIL) was subsequently appointed as Consultant for this assignment. The system was gradually implemented and tested until September 2022. The CIDB launched this new facility called E-Registration on **27 October 2022**.

The outcome is that the whole process of registration is now an application-based system. It allows an applicant to submit his application electronically on a 24/7 basis. The payment of the processing fee and registration fee can also be made online. The digitally signed Certificate of Registration is delivered directly to the mailbox of the applicant.

## **2. Implementation of a Quality Management System (ISO 9001:2015)**

In a bid to continuously improving its services, the CIDB has since November 2020, embarked on the process of implementing a Quality Management System (QMS). In this respect, a Consultant was enlisted for this project. The Consultant assisted CIDB to develop the necessary documentation and putting in place the processes for the QMS. The system was fully implemented in December 2022.

The MSB conducted the Stage 2 Audit of the QMS in April 2023 and confirmed that the QMS of CIDB would be recommended for Certification to the Mauritius Standards Bureau Council.

## **3. Workshops held during Financial Year 2022/23**

### ***3.1 Role and Responsibilities of the Resident Engineer***

Many construction projects suffer delays and cost-overruns, as a result of poor project management, often due to lack of knowledge, skills and experience regarding site supervision and contract administration.

The Resident Engineer (RE) is a professional who is called upon to drive a project on behalf of the client. The RE is responsible for the successful implementation of the project and must administer the contract effectively and ensure that all contractual provisions are being complied with.

However, the roles and responsibilities of the RE, particularly on public sector projects where the RE may be a public officer, are often not well understood.

In this perspective, the CIDB held a Workshop in December 2022 to highlight the importance and crucial role of the RE for the successful delivery of public infrastructure projects. There were around 50 participants during the Workshop who gave positive feedback.

### ***3.2 Challenges of Contractors in the Construction Industry***

The COVID-19 pandemic has taken its toll on the construction industry. Its effects are still prevalent and pose several challenges to the construction sector associated with the break in the supply chain of construction materials, the unpredictable fluctuations in the costs of intrants and cash flow problems. The Building and Civil Engineering Contractors Association (BACECA) together with other industry associations, namely the Mechanical and Electrical Engineering Contractors Association (MEECA), the Association of Small Contractors (ASSC) and the Building Materials Manufacturers Association (BMMA), had collectively voiced out the problems they are facing. They had indicated that these problems are impacting seriously on service delivery in the construction industry.

In this context, a Workshop was held in December 2022, to provide an opportunity for authorities and relevant stakeholders to explore possible remedies to the challenges and problems of the construction industry and develop appropriate strategies for the betterment of the industry. Discussions were based on prominent issues being faced in the construction industry, the need for a *Chambre des Métiers* for the construction sector, the supply chain and price escalation in construction, as well as bidding and contractual issues.

At the end of the Workshop, the solutions proposed by the stakeholders were compiled and submitted to the Ministry of National Infrastructure and Community Development for policy formulation. Salient recommendations of the Report were also transmitted to the Ministry of Finance, Economic Planning and Development during Budget 2023/24 consultation. Many of the proposed solutions were eventually adopted as budgetary measures to the satisfaction of the stakeholders of the construction industry.

#### **4. Mission to Rodrigues**

A delegation comprising two officers of CIDB proceeded on mission to Rodrigues on 22 June 2023. During the mission, they held a workshop for the benefit of Contractors operating in Rodrigues.

The Workshop was targeted at Contractors registered with the CIDB, and those intending to be registered. Some 60 participants attended the Workshop, along with some officers of the Public Infrastructure Authorities in Rodrigues.

The Workshop gave the participants an opportunity to voice out their problems and concerns about the construction sector in Rodrigues. Problems raised by those Contractors were compiled and submitted to relevant authorities for necessary action at their end.

#### **5. Registration of Contractors, Consultants, Suppliers and Service Providers**

##### **Number of registrations granted during the Fiscal Year 2022/23 to Consultants, Contractors, Suppliers of Construction Materials, Plant and Equipment, Service Providers including CAD Operators, Technician in Construction and Third-Party Certifier in Construction**

<b>Contractors</b>	<b>Number of Certificates</b>
Local Contractor	1689
Foreign Contractor (Provisional)	122
Joint Venture Contractor (Provisional)	48
Foreign Contractor (Temporary)	87

Joint Venture Contractor (Temporary)	7
<b>Total</b>	<b>1,953</b>
<b>Consultants</b>	
Local Consultant	256
Foreign Consultant (Provisional)	25
Foreign Consultant (Temporary)	28
Joint Venture Consultant (Provisional)	14
Joint Venture Consultant (Temporary)	5
<b>Total</b>	<b>328</b>
<b>Others</b>	
Suppliers of Construction Materials, Plant and Equipment	44
CAD Operators	221
Technician in Construction	5
Third Party Certifier in Construction	<b>0</b>
<b>Total</b>	<b>270</b>

## Key Legislation

The National Infrastructure Division operates within a sound and robust legal framework. The under-mentioned laws provide the Ministry with the necessary guidance for the implementation of Roads and Government buildings projects. The professions of Architects, Engineers and Quantity Surveyors are regulated to ensure good practice in these fields.

### □ **Building Control Act**

The Building Control Act, *inter alia*, defines the basic requirements for buildings such that every building is designed, constructed and maintained to guarantee people's safety, society's well-being as well as the protection of the environment and aesthetic value.

### □ **Construction Industry Development Board (CIDB) Act**

The CIDB Act provides the regulatory framework for the construction industry.

#### □ **Road Development Authority (RDA) Act**

The RDA Act establishes the Road Development Authority with the objects of construction, care, maintenance and improvement of motorways and main roads.

#### □ **The Roads Act**

This Act provides for the classification of roads, the norms, standards and specifications of the various roads and the responsibility of the institutions for maintenance and management of the roads.

#### □ **Professional Quantity Surveyors' Council (PQSC) Act**

The Professional Quantity Surveyors' Council (PQSC) Act establishes the Professional Quantity Surveyors' Council. It regulates and controls the profession of quantity surveyors and promotes advancement in the field of quantity surveying.

#### □ **The Registered Professional Engineers Council Act**

The Council of Registered Professional Engineers of Mauritius is established under the Registered Professional Engineers Council Act. It regulates the engineering profession in Mauritius.

#### □ **Professional Architects' Council Act**

The Professional Architects' Council Act establishes the Professional Architects' Council with the objects of regulating and controlling the practice of architecture and registration of professional architects as well as maintaining discipline in the profession, among others.

### **Promulgation of Regulations**

In financial year 2022/2023, the following regulations were promulgated:

- I. Building Control (Accessibility and Gender Compliance in Buildings) (Amendment) Regulations 2022 - Government Notice No. 322 of 2022.
- II. Regulations made by the Minister under Section 8(1) of the Roads Act- The Moka- Camp de Masque – Flacq Road (End of Public Use) Regulations 2023 - Government Notice No. 83 of 2023.

## Gender Statement

This Ministry is committed to promote gender equity, equal opportunity and sustainable development.



### **Gender Mainstreaming**

Gender mainstreaming is a means, a strategy, not an end, to achieve gender equality. It ensures that gender perspectives and issues along with gender concerns are central to development of policies, programmes, and projects. This means that gender mainstreaming is not only to put a “women” component or “gender equality” component into development policies and programmes and raising women’s participation, but goes beyond, to bring women’s and men’s experience, knowledge and interests to positively contribute to the development agenda.

For the Financial Year 2022/2023, the following activities were carried out under the provision of Rs 200,000 - Budget Item ‘Gender mainstreaming’:



## **1. Launching of the Gender Policy and finalization of the Gender Action Plan**

A ceremony was held on 08 December 2022 at the City Council of Port-Louis, in the presence of the Hon. Minister M.S Hurreeram and the Hon. Minister K. Koonjoo-Shah, to launch the Gender Policy of the Ministry.

The launching ceremony was attended by 100 officers from different Sections and Departments of this Ministry as well as other key stakeholders and officers of other Ministries as follows:

1. Dr H. Jooseery, Consultant involved in the preparation of the Gender Policy;
2. Ministry of Finance, Economic Planning and Development;
3. Attorney General's Office;
4. Ministry of Gender Equality and Family Welfare;
5. Ministry of Education, Tertiary Education, Science and Technology;
6. Ministry of Health and Wellness;
7. Ministry of Youth Empowerment, Sports and Recreation;
8. Ministry of Information Technology, Communication and Innovation;
9. Statistics Mauritius; and
10. National Productivity and Competitiveness Council.





After the launching ceremony, a working session was held to finalise the Gender Action Plan. Six working groups were devised to discuss the broad recommendations emanating from the Gender Policy as follows:

- (i) Legislation – led by the representative of the Attorney General’s Office, *Ms Pem, State Counsel*;
- (ii) Policy – led by the Acting Permanent Secretary, *Mr G. Bundhooa*;
- (iii) Human Resources – led by the Deputy Permanent Secretary, *Mrs T. Codadeen*;
- (iv) Capacity Building – led by the then Manager, Human Resources, late *Mr C. Lacroche*;
- (v) Project and Programme Management – led by *Mrs B.K. Appadoo, Deputy Director (Architecture)*; and
- (vi) Partnership – led by the Consultant, *Dr. H. Jooseery*.

## **2. International Women’s Day 2023**

In the context of the International Women’s Day celebrated on 08 March 2023, the following officers were invited to deliver a speech to officers of this Ministry on their achievements and challenges they face in their work:

- (i) **Mrs B. K Appadoo, Deputy Director, (Architecture)**;
- (ii) **Miss Z. Alimohamed, Deputy General Manager, Road Development Authority**;
- (iii) **Mrs T. D. Chukowry- Goorapah, Geotechnical Specialist; and**
- (iv) **Miss B. A Naseeven, Senior Inspector of Works.**

Around 75 officers of the Ministry were present for the event which was held on the same day at the Town Hall of the Municipal Council of Port-Louis.



### **3. Workers' Rights Act**

Based on the recommendations of the Gender Policy of this Ministry, a Gender Action Plan has been finalised.

One of the broad actions refers to the development of a Capacity Building Plan, whereby it was agreed to hold continuous awareness sessions in respect of gender mainstreaming on various topics.

In this context, two half-day awareness sessions on Workers' Rights Act were organised by this Ministry in the months of May and June 2023.

Mr R. Sunassy, Senior Labour and Industrial Relations Officer from the Ministry of Labour, Human Resource Development and Training acted as resource person for the sessions.

Around 100 officers from different grades of the Ministry attended the awareness sessions.



#### **4. Mother's Day**

The International Mother's Day was celebrated on 26 May 2023 at the Head Office to pay tribute to all mothers.

#### **5. Additional equipment for the Gym of the Ministry**

With a view to improving the work life balance of officers at work, this Ministry has purchased keep-fit equipment such as kettle dumbbell sets, steppers, resistant training bands, pull-up bars, yoga mats and jumping ropes amongst others to reinforce the Gym situated on the 3<sup>rd</sup> floor of Moorgate House.



## Gender Cell

The Gender Cell of the Ministry has been reviewed and is composed of the following officers: -

- (a) Mrs T. Codadeen, Deputy Permanent Secretary and Gender Focal Point **(Chairperson)**;
- (b) Mrs B. K. Appadoo, Deputy Director (Architecture) and Alternate Focal Point;
- (c) Mr R. Bahadoor, Executive Director, CIDB
- (d) Mr D. Rampersade, Architect/Senior Architect;
- (e) Mrs E. Sockalingum-Canhyee, Engineer/ Senior Engineer;
- (f) Mrs S. Gungah-Bhurtun, Quantity Surveyor/Senior Quantity Surveyor;
- (g) Mr A. Naugah, Deputy Director, Mechanical Engineering;
- (h) Mr R. Ramsurn, Lead Electrical Engineer;
- (i) Mrs L. Cavaree, Manager, Financial Operations;
- (j) Mr A. Ramakrishnan, Office Management Assistant, RDA
- (k) Miss S. Jeewon, Management Support Officer; and
- (l) Mrs P. Iyemparooma, Assistant Permanent Secretary **(Secretary)**.

The meeting of the Gender Cell has been held on 07 October 2022 to discuss the action plan for five years ahead and chart the way forward following the finalization of the gender policy.

## Training And Development

With a view to enhancing the knowledge and skill sets of employees, the National Infrastructure Division puts a lot of emphasis on Training and Development. As such, staff of the Administrative, Professional, Technical, Workmen's Cadre at all levels have benefitted from training courses and capability development programmes organized both in-house and by the Civil Service College, Mauritius.

The Training Committee comprising the following members met on 14 occasions during the Financial Year 2022/2023:

<i>Name</i>	<i>Designation</i>
Mrs T. Codadeen, <i>Deputy Permanent Secretary</i>	<i>Chairperson</i>
Mr S. Ramdial, <i>Director, Quantity Surveying</i>	<i>Member</i>
Mrs S. Jaypal, <i>Director, Architecture</i>	<i>Member</i>
Mr D. Jhuboo, <i>Director, Civil Engineering</i>	<i>Member</i>
Mr P. Ramful, <i>Director, Mechanical Engineering</i>	<i>Member</i>
Mr S. Jingree, <i>Deputy Director, Energy Services Division</i>	<i>Member</i>
Mrs B. Appanah, <i>Manager, Human Resources</i>	<i>Member</i>
Mrs M. Dewkurrun, <i>Assistant Manager, Human Resources</i>	<i>Training Manager</i>
Mr S. Teckmun, <i>Office Management Assistant</i>	<i>Secretary</i>

### Three Weeks Advanced Traffic Accident Reconstruction Course

The Mechanical Engineering Section (MES) provides assistance and consultancy services to the Police Department which includes the examination of vehicles involved in fatal and serious road accidents. The MES, in fact, examines an average of 20 fatal and serious accidents annually.

In order to up skill and empower the officers of the Professional and Technical cadres in this field of expertise, the Ministry availed the services of Traffic Accident Reconstruction Services, which is based in South Africa to dispense a customized intensive three weeks' course on Accident Crash Reconstruction. The course was held at the Mechanical Engineering Section, Plaine Lauzun from 08 to 26 May 2023 and was conducted by Mr Johan Joubert and Mr Martin Graham, Resource Persons from the Traffic Accident Reconstruction Services.

Mr Johan Joubert is the Managing Director of the Traffic Accident Reconstruction Services and is an expert in Accident Reconstruction, Accident Analysis, Cause Analysis, Interpretation of the Law relating to traffic accidents and is also a Traffic Consultant with over 29 years' specialist experience in Traffic Accident Reconstruction.

Mr Martin Graham, Mechanical Vehicle Analyst was formerly the Regional Service Engineer for TATA Motors and Product Manager at Mack Trucks. Mr Martin Graham has compiled Expert Reports and Technical Analysis for representation in Supreme Courts all over South Africa.

The training course comprised, *inter alia*, assessment and analysis of vehicle component failures, damage analysis, speed calculations based on road skid and yaw marks, reaction time, electronic data systems, seatbelt analysis, comprehensive collection of evidence at the scene of accident, application of engineering principles in accident reconstruction, practical demonstrations and drafting of reports to be submitted in Courts.

This course has set up the foundation stone upon which the Mechanical Engineers/Technical Officers will be more confident whenever such assignment is entrusted to them.

The course has also enlightened the participants on the latest technology, which is available as regards data retrieval, interpretation and making use of same in report drafting.

The following officers of the MNICD and the TMRSU (Traffic Management and Road Safety Unit) participated in the training:

- (i) Mr RAMFUL Poorun, Director, Mechanical Engineering;
- (ii) Mr RAMSURREN Vivekanand Bissoon, Deputy Director, Mechanical Engineering;
- (iii) Mr PARMANUM Jayaramen, Lead Mechanical Engineer;
- (iv) Mr BURHOO Anoop Kumar, Mechanical Engineer/Senior Mechanical Engineer;
- (v) Mr RAMKISSOON Keerandeersingh, Mechanical Engineer/Senior Mechanical Engineer;
- (vi) Mr NUNKOO Shankar, Mechanical Engineer/Senior Mechanical Engineer;
- (vii) Mr MOHIT Mirzaan, Mechanical Engineer/Senior Mechanical Engineer;
- (viii) Mr RAMRECHA Vashish, Mechanical Engineer/Senior Mechanical Engineer;
- (ix) Mr RAMESSUR Mrinal Kumar, Mechanical Engineer/Senior Mechanical Engineer;
- (x) Mr GUNNOO Nitish, Mechanical Engineer/Senior Mechanical Engineer;
- (xi) Mr BETCHOO Bhediraj, Principal Technical Officer (TMRSU);
- (xii) Mr TAILLY Stephan Thiery, Principal Technical Officer (TMRSU);
- (xiii) Mr CHADEE Mahen, Senior Technical Officer (TMRSU); and
- (xiv) Mr PARMANUM Jayakrishna Rudy, Technical Officer (TMRSU).





## Training on Court Proceedings

A training course on Court Proceedings was mounted for officers of the Administrative and Professional Cadres to sensitise them on court processes and procedures and allow them to handle legal disputes more effectively.

The Ministry availed the services of Mr K.A.Putchay, State Counsel to conduct the two-day training course which was held on **31 May and 02 June 2023** at the Mechanical Engineering Section, Plaine Lauzun. Thirty-four officers of the Administrative and Professional Cadres attended the in-house training programme.





## Training Programme on Risk Management

The Ministry, in collaboration with the Civil Service College, Mauritius, mounted a training programme on Risk Management for the core staff of the MNICD, the Construction Industry Development Board (CIDB) and the Road Development Authority (RDA), with the objectives to help the participants understand the fundamental principles of Risk Management, understand the Risk Management Framework, identify business risks and risk factors, implement risk controls and mitigation techniques, understand the financial implications associated with risks and develop a risk response/mitigation plan.

Fifteen officers of the Professional, Administrative, Human Resource, Finance, Procurement and Supply and Internal Control Cadres attended the course conducted by Dr.(Mrs.) Brinda Appasamy, founder and CEO of Acarthus Ltd, which was held from **10 to 12 October 2022**.



## Other In-House Trainings

<b>In-House Training</b>					
<i>SN</i>	<i>Training Programme</i>	<i>Grade</i>	<i>Number of Participants</i>	<i>Date</i>	<i>Duration</i>
1	Training Course on Writing Skills for PQs/Cabinet Documents	<ul style="list-style-type: none"> <li>• Administrative Cadre</li> <li>• Professional Cadres</li> <li>• General Services Cadre</li> </ul>	31	12 & 19 April 2023	2 days
					
2	Training Course on First Aid at Work	<ul style="list-style-type: none"> <li>• General Services Cadre</li> <li>• Technical Cadre</li> <li>• Workmen's Group</li> </ul>	22	13 to 20 June 2023	6 half-days
					

3	Training Course on Minutes Writing/Drafting Notes of Meeting	<ul style="list-style-type: none"> <li>• General Services Cadre</li> </ul>	62	<b>Batch 1:</b> 21 March 2023  <b>Batch 2:</b> 24 March 2023	1 day
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4	Training Course on Reinforcing Integrity in the Public Service, <i>conducted by a representative of ICAC</i>	<ul style="list-style-type: none"> <li>• Administrative Cadre</li> <li>• Professional Cadre</li> <li>• Technical Cadre</li> </ul>	30	01 March 2023	Half Day
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*Officers of the MNICD also had the opportunity to follow training courses organised by the Civil Service College, Mauritius. A list thereof is as follows:*

<b>Local Training organised by Civil Service College, Mauritius</b>					
<i>SN</i>	<i>Training Programme</i>	<i>Grade</i>	<i>Number of Participants</i>	<i>Date</i>	<i>Duration</i>
<b>1</b>	Training Course on First Aid at Work	<ul style="list-style-type: none"> <li>• General Services Cadre</li> <li>• Technical Cadre</li> </ul>	15	05 to 12 September 2022	6 days
<b>2</b>	Safety and Health in the Workplace for MSOs	<ul style="list-style-type: none"> <li>• MSO</li> </ul>	12	-	1 day
<b>3</b>	Project Management	<ul style="list-style-type: none"> <li>• Officers of Professional Cadre</li> </ul>	29	14 June 2023	1 day
<b>4</b>	Tender Preparation & Evaluation	<ul style="list-style-type: none"> <li>• Procurement Cadre</li> </ul>	3	05 & 07 June 2023	2 days
<b>5</b>	Public Sector Financial Management	<ul style="list-style-type: none"> <li>• Financial Operations Officer/ Senior Financial Operations Officer</li> </ul>	2	05 December 2022 and 10 February 2023	1 day

## Capacity Building Programmes organised by Civil Service College Mauritius & other Institutions

<i>SN</i>	<i>Training Programme</i>	<i>Grade</i>	<i>Number of Participants</i>	<i>Duration</i>
1	Training Programme for Frontline/Supervisory/Technical Grades	<ul style="list-style-type: none"> <li>• OME</li> <li>• OMA</li> <li>• FOO/SFOO</li> <li>• Technical Officer</li> </ul>	4	3 days
2	Training Programme for Support Staff	<ul style="list-style-type: none"> <li>• MSO</li> <li>• Confidential Secretary</li> </ul>	15	3 days
3	Fire Safety and Fire Risk Management	<ul style="list-style-type: none"> <li>• MSO</li> <li>• WPO</li> <li>• Office Auxiliary</li> </ul>	5	2 days
4	Workplace Safety for Word Processing Operator/Senior Word Processing Operators	<ul style="list-style-type: none"> <li>• WPO</li> </ul>	5	1 day
5	Training Programme for Middle Management	<ul style="list-style-type: none"> <li>• Quantity Surveyor/ Senior Quantity Surveyor</li> <li>• Electrical Engineer/Senior Electrical Engineer</li> <li>• Architect/ Senior Architect</li> <li>• Engineer (Civil)/ Senior Engineer (Civil)</li> </ul>	21	3 days
6	Training Programme for Workmen's Group (Level 1)	<ul style="list-style-type: none"> <li>• SOA/OA</li> <li>• General Worker</li> </ul>	3	2 days
7	Improving Communication and Productivity for Workmen's Group Level-1	<ul style="list-style-type: none"> <li>• SOA/OA</li> <li>• Receptionist/ Telephone Operator</li> <li>• General Worker</li> <li>• Driver</li> <li>• Stores Attendant</li> </ul>	58	2 days
8	Training on Electrical Installations BS 7671:2018 (18th Edition)- Amendment -2: 2022  (Course conducted by the MITD)	<ul style="list-style-type: none"> <li>• Technician (ESD)</li> </ul>	7	27 April to 13 July 2023

## Induction Courses and Seminars organised by Civil Service College Mauritius

<i>SN</i>	<i>Training Programme</i>	<i>Grade</i>	<i>Number of Participants</i>	<i>Duration</i>
1	Induction Course for Office Management Executive	OME	1	3 days
2	Induction Course for Office Supervisors (OS)	OS	1	4 days
3	Induction Course for Newly Recruited Management Support Officer (MSO)	MSO	1	5 days
4	Induction Course for Word Processing Operator (WPO)	WPO	3	3 days
5	Seminar on Occupational Safety and Health	OME	1	2 half-days
6	Implementing OSH Management System - A Practical Approach for members of the OSH Steering Committee	APS OME	2	2 days

## Overseas Training

<i>SN</i>	<i>Training Programme</i>	<i>Grade</i>	<i>Number of Participants</i>	<i>Duration</i>
1	Infrastructure Development Planning and Management (Singapore)	Director, Civil Engineering	1	6 days

## Part II

### Achievements and Challenges

#### Summary of Major achievements:

- Some **176** building projects have been handled by the Architect Section, in collaboration with the other technical sections over the Financial Year 2022-23.
- The Design Unit of the Civil Engineering Section has prepared structural designs and drawings for **60** major capital projects. The Section has also produced **41** structural investigation reports as well as **38** other engineering technical reports.
- Cost estimates for **351** projects were prepared by the Civil Engineering Section and submitted to client Ministries, out of which **151** Works Orders to the tune of some **Rs 464 M** were issued under the Framework Agreement for implementation of minor upgrading and renovation projects.
- The Materials Testing Laboratory carried out more than **9,035 tests** on concrete cube, bitumen and soil, generating a revenue of almost **Rs 4.1 M**.
- The Geotechnical Unit has processed **42** Environmental Impact Assessment applications, in line with the requirements of the Planning Policy Guidance 9 and other relevant legislations.
- A draft Landslide Hazard Map showing the risk prone areas around the Island has been completed by the Geotechnical Unit. Site surveys would be carried out to determine the actual gravity of the risk of each site.
- The Quantity Surveying Section prepared **42** bidding documents.
- The Mechanical Engineering Section has handled a total of **130** construction projects. The Section also carried out **1,282** interventions for the maintenance and repairs of Government vehicles, plant and equipment and **380** examinations with regard to Government Vehicles involved in road accidents. In addition, some **835** repairs/interventions relating to welding works, locksmith services, etc were effected.
- The Energy Services Division has carried out around **18,800** interventions (troubleshooting, maintenance, electrical installations, amongst others), including **123** inspections into fire/electrocution cases.
- More than **4,691** requests from Ministries/Departments for minor maintenance works have been attended to by the Inspectorate Cadre.



- Tent facilities of an extent of more than **520, 800 ft<sup>2</sup>** were provided for socio-cultural activities through in-house resources.
- Technical assistance/clearances relating to the rental of some **130** private buildings for use by Ministries/Departments have been provided by the Ministry. In addition, assistance in connection with application for fire certificates for **29** Government owned buildings has been extended.

## Status of projects as at 30 June 2023

Name of Ministry	New Requests	Inception Stage	Design	Tender Stage	Construction	TOTAL
Education Tertiary	2	7	29	16	26	80
Education Science and Technology						
Health and Wellness	3	6	14	11	4	38
Social Integration Social Security and National Solidarity (Social Security and National Solidarity Division)	2	-	1		1	4
Prime Minister s Office		2	4	8	3	17
Police Department		1	5		1	7
Office of the President	1		2		2	5
NDU	3	1	1			5
Ministry of Finance and Economic Development			1			1
Mauritius Meteorological Services	2					2
Mauritius Fire and Rescue Service			1	1		2
Local Government and Disaster Risk Management	1		1	2		4
Judiciary		3	6	1	1	11
Industrial Development SMEs and Cooperatives			1		2	3
Gender Equality and Family Welfare			1	1		2
Energy and Public Utilities			1			1
Blue Economy Marine Resources Fisheries and Shipping		1	2			3
Agro-Industry and Food Security			4	1		5
<b>TOTAL</b>	<b>14</b>	<b>21</b>	<b>74</b>	<b>41</b>	<b>40</b>	<b>190</b>

Source: Architect Section

## Major projects completed

### 1. Pointe Aux Sables Community Health Centre

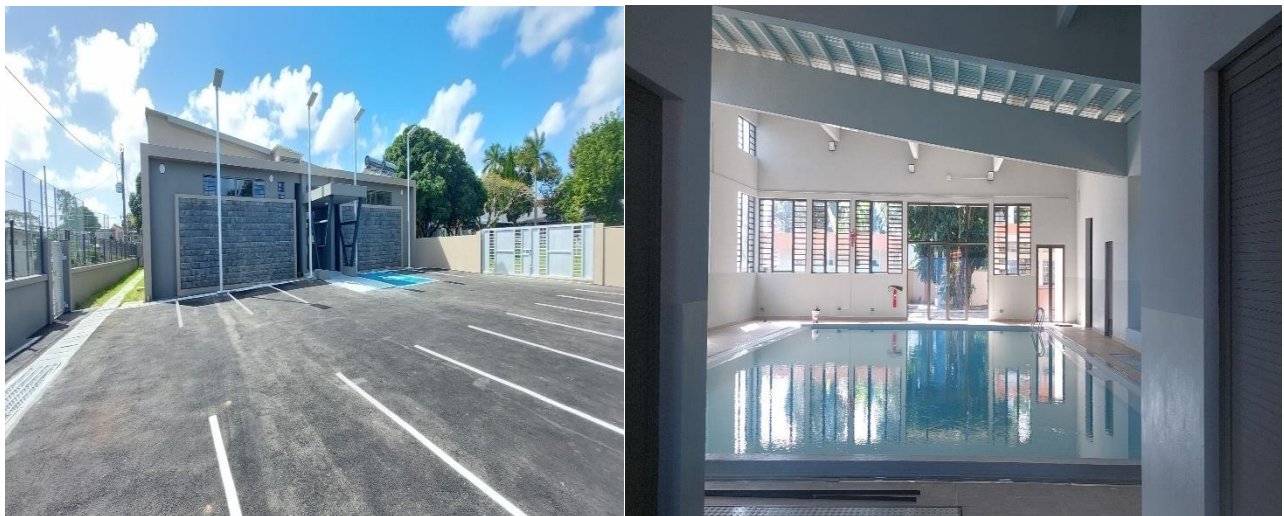
Date of Start of work 12 November 2021  
Completion date 25 November 2022  
Contract Value Rs.29,108,000.00 excl. of VAT, incl. contingency sum of Rs. 1,700,000.00



*Construction of full-fledged CHC with amenities with parking and fence*

### 2. Construction of Swimming Pool (Bassin D'Apprentissage) at Plaine Des Papayes Government School

Date of Start of work - 25 June 2021  
Expected Completion date -04 August 2023  
Contract Value - Rs.36,054,800 incl. of VAT; incl. contingency sum of Rs. 500,000.00



*The Project consists of construction of a 'Bassin D'apprentissage' with all amenities, technical room, parking and fence. Works reached 98% at end of June 2023.*

**3. Conversion of Classrooms to Specialist Rooms at Droopnath Ramphul State College - Calebasses**

Date of Start of work - 12 December 2022  
Completion date - 30 May 2023  
Contract Value - Rs.6,049,000incl. of Contingency sum of Rs 350,000.00 excl. VAT;



*Conversion of existing classrooms into DC/DT workshop with furniture and drawing room.*

**4. Upgrading Works at the Port Louis Fire Station – Flooring in the Dormitory at Block A**

Date of Start of work - 12 January 2023  
Completion date - 28 February 2023  
Contract Value - Rs.1,192,539.65 incl. of VAT;



*Upgrading of existing flooring including structural consolidation*

## 5. Construction of Specialist Room at Dr. Maurice Cure Academy – Vacoas

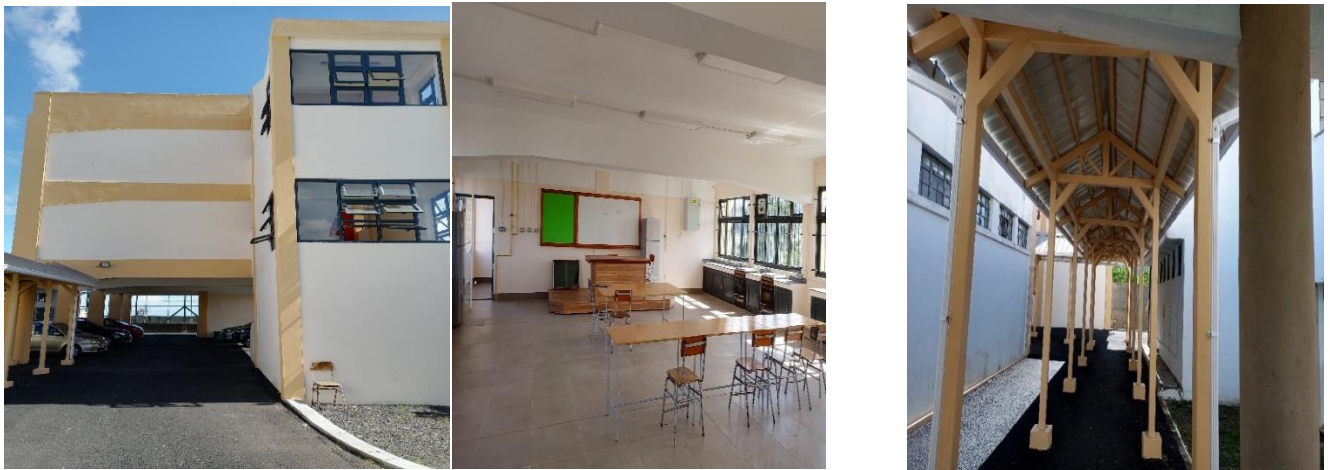
Date of Start of work - 31 May 2022  
Completion Date - 28 September 2022  
Contract Value - Rs.4,325,278.25 incl. of VAT; and Contingency of Rs. 475,000.



*Conversion of existing classrooms into DC/DT workshop with furniture and drawing room*

## 6. Construction of New Specialist Laboratory at Palma State Secondary School

Date of Start of work - 14 April 2022  
Completion date - 31 December 2022  
Contract Value - Rs.19,918,622.00 incl. and Contingency of Rs. 700,000. Excl. VAT



*Construction of laboratory block and a covered link*

## 7. Construction of Trou d'Eau Douce Community Health Centre

Date of Start of work - 25 October 2021  
Completion date -27 June 2023  
Contract Value - Rs.19,890,900, and Contingency of Rs. 1,000,000 Excl. VAT



*Construction of full-fledged CHC with amenities with parking and fence*

## 8. Project: Refurbishment of Wards at Victoria Hospital

Date of Start of work - 30<sup>th</sup> May 2022  
Completion date - 22<sup>nd</sup> June 2023  
Contract Value - RS 56,614,000 (incl. of a contingency sum of RS 1,500,000 and excluding VAT at 15%.



*Complete refurbishment of the ward*

## 9. Ayurvedic garden, State House

Date of Start of work	- 03 August 2022
Completion date	- 17 February 2023
Contract Value	- Rs. 7,780,000



*Creation of Ayurvedic Garden & Landscaping at State House*

## **Geotechnical Unit**

### **Grant from Government of Japan**

Government of Mauritius has been granted MUR 225 M under a G-to-G agreement with Japan for the acquisition of specialized Geotechnical Equipment for the Geotechnical Unit of the Ministry to be able to carry out required geotechnical tests.

The current Materials Testing Laboratory (MTL) at the Ministry will be supplemented with the specialized geotechnical equipment which is being acquired from Japan and the modern/revamped laboratory is expected to be operational by March 2024.

Along this line, in 2023-2024, the MTL will be called upon to re-engineer its services in order to offer a quality service in civil engineering testing services.

The specialised equipment acquired through the Japanese Grant will position the MTL as the leading Civil Engineering Laboratory offering such a wide range of testing facilities. These will include non-destructive tests, aggregate, bitumen asphalt, hardened/fresh concrete testing and a comprehensive range of field engineering soil testing to be performed to a degree of excellence required in Geotechnical Engineering and thereby facilitating project design and implementation, both in the public and private sectors as well.

## Materials Testing Laboratory

The Materials Testing Laboratory has carried out a total of 9,035 different types of tests during the year 2022/2023. A breakdown is provided below.

**No of tests performed 01 July 2022 to 30 June 2023 and revenue collected (summarized)**

	Concrete	Soil	Aggregate	Bitumen	Field Tests	Total
No of tests	7,100	77	574	1,243	41	9,035

### Projects implemented under Framework Agreement

#### Upgrading of Community Health Centres (CHCs)



*Before*

*After*

*Renovation work of Laventure CHC*



*Before*

*After*



*Renovation work of Poste de Flacq CHC*



*Waterproofing Works at St Croix Methadone Centre  
and Waterproofing Works at Dr F.Bouloux AHC*



*Before*

*After*

*Renovation of Male Ward 3 at Brown Sequard Mental Health Care Centre*



*Before*

*After*

*SSRN Hospital – Tarring Works Near Mortuary*



*Construction work of a Sub office at Cassis Furniture*

## Energy Services Division

### Projects completed/in progress

Projects	Quantity	Value of electrical components (Rs / Million)
<b>Capital Projects with electrical components:</b>		
Completed	25	172.89
In Progress	30	116.34
In Design Stage	35	267.37
<b>Electrical Projects:</b>		
Completed	99	61.57
In Progress	98	113.7
In Design Stage	100	285.4
<b>Electrical Installation Works for Cultural and National Event</b>	<b>47</b>	

### Management of maintenance contracts for Equipment/Plant

Equipment/plant	No of Maintenance Contracts	Project Value (Rs / Million)
Air conditioning system	33	15.2
Generator Set	30	5.13
Lift	27	5.06
UPS	20	2.19
Other Equipment/Plant	15	25.3

**Project: Supply and Installation of three (3) Autoclaves and associated plants/equipment/services and complete with six (6) years post warranty maintenance contract for CSSD Unit at SSRN Hospital**

Start Date: 12 September 2022

Progress of work as at 30 June 2023: 60 %

Testing and Commissioning Stage

**Project Value: Rs 18,277,356.89**

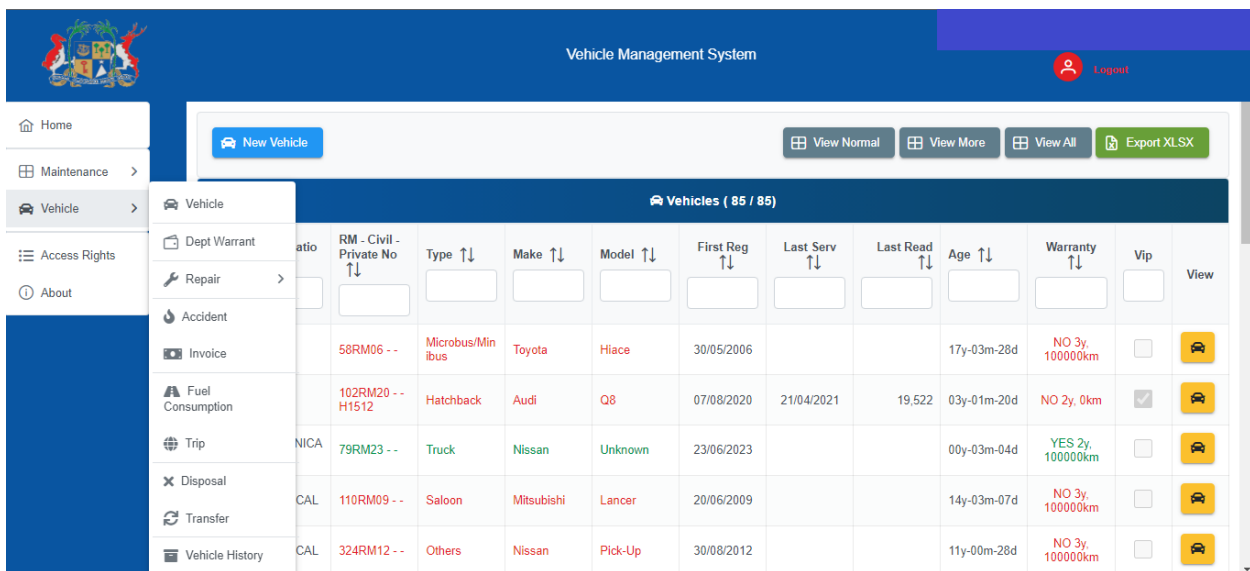


*Steam generator, external boiler and control panel for Autoclaves 1 & 2*

# Mechanical Engineering Section

## Implementation of a Vehicle Management System under the Sandbox Framework

The Ministry has embarked on a digital transformation initiative by setting up a Vehicle Management System (VMS) to improve its vehicle management processes. The objective is to create an electronic platform (e-platform) to enable Ministries/Departments to keep records, track data, monitor activities and obtain information online on a 24/7 basis with respect to their vehicles without going through the traditional paper-based method of communication and interaction with parties. The e-platform would ultimately act as a central repository of all Government vehicles.



The screenshot displays the Vehicle Management System (VMS) interface. The header includes the national emblem and the text "Vehicle Management System" with a "Logout" button. A sidebar on the left contains navigation options: Home, Maintenance, Vehicle, Access Rights, and About. The main content area shows a "New Vehicle" button and a table of vehicles. The table has columns for "Ratio", "RM - Civil - Private No", "Type", "Make", "Model", "First Reg", "Last Serv", "Last Read", "Age", "Warranty", "Vip", and "View".

Ratio	RM - Civil - Private No	Type	Make	Model	First Reg	Last Serv	Last Read	Age	Warranty	Vip	View
	58RM06 - -	Microbus/Minibus	Toyota	Hiace	30/05/2006			17y-03m-28d	NO 3y, 100000km	<input type="checkbox"/>	
	102RM20 - - H1512	Hatchback	Audi	Q8	07/08/2020	21/04/2021	19.522	03y-01m-20d	NO 2y, 0km	<input checked="" type="checkbox"/>	
	NICA 79RM23 - -	Truck	Nissan	Unknown	23/06/2023			00y-03m-04d	YES 2y, 100000km	<input type="checkbox"/>	
	CAL 110RM09 - -	Saloon	Mitsubishi	Lancer	20/06/2009			14y-03m-07d	NO 3y, 100000km	<input type="checkbox"/>	
	CAL 324RM12 - -	Others	Nissan	Pick-Up	30/08/2012			11y-00m-28d	NO 3y, 100000km	<input type="checkbox"/>	

The VMS is presently being tested on a pilot basis with five Ministries/Departments including the MNI &CD, Ministry of Arts and Cultural Heritage, Ministry of Environment, Solid Waste Management and Climate Change, Ministry of Youth Empowerment, Sports and Recreation and the Treasury. The project is hosted at the Government Online Centre and only authorized public officers can log in via MauPass, the National Authentication Framework.



*Acquisition of Road Wrecker Truck*

The Mechanical Engineering Section acquired a brand-new rollback model Road Wrecker Truck (Towing/Recovery Vehicle) in June 2023 in order to enhance its services for roadside assistance and other mobility rescue services to Government vehicles namely towing/recovery of stranded/accidented/wrecked vehicles, jump starting/battery recovery assistance, lockout service, winching, fluid top up, etc.

Training on the operation and maintenance of the Road Wrecker Truck to 10 Automobile Technicians and 5 Mechanical Engineers/Technical and Mechanical Officers of the Mechanical Engineering Section was also provided by the Supplier of the equipment.

### **Promotion of energy efficient vehicles**

As announced in the Budget 2021/2022, the Green Energy Industry is bound to be a new economic growth pole. In this context and given the growing demand and popularity of electric vehicles, the Government has apprised via Circular No 2 of 2021, that each Ministry/Department/Local Authority should have at least one electric vehicle in their respective transport fleet in order to promote the shift towards cleaner energy. In this respect, the MES has worked out technical specifications for electric car and electric sports utility vehicle. Being given that electric vehicles are considered more environmentally friendly, these technical specifications would encourage, but most especially facilitate Ministries, Departments and Local Authorities to substitute their fleet towards cleaner energy in the form of electric.

### **Summary of Achievement for the Year 2022-2023**

SN	Description	Number
1	Interventions for maintenance and repairs of Government vehicles, plant and equipment	1,282
2	Examinations of Government vehicles involved in road accidents/incidents	380
3	Investigation carried out in fatal and serious road accidents	37
4	Supervision of maintenance, repairs and certification of claims for vehicles used by VIPs	1,208
5	Commissioning of new vehicles procured for VIPs	44
6	Counter-examination of vehicles acquired duty free involved in accidents and declared as 'Total Loss'	57
	Examination of vehicles adapted/modified/ for handicapped persons	6
	Conversion of vehicles into Ambulances and Hearses	12
7	Drafting of specifications for vehicles, plant and equipment for tender	92

	purposes	
8	Commissioning of new vehicles, plant and equipment	95
9	Repairs, maintenance and miscellaneous works undertaken in Government buildings	835
10	Design and Construction/Supervision of mechanical installation works in building projects	130
11	Design and Installations: Roller Shutters and Boom Gates (7) Maintenance of Government Buildings (15) Water Pumps and Water Tanks (87) Solar Water Heaters (5) Liquefied Petroleum Gas (LPG) Systems (8)	122
12	Assistance in the Testing and Commissioning of LPG- Fired Human Incinerators for Ministry of Local Government and Disaster Risk Management. (Special Assignment)	16

#### Monitoring Of Outcome Indicator, Main Service and Key Performance Indicators ForFY 2022/2023

##### Vote 15 Ministry of National Infrastructure and Community Development

Outcome	Outcome Indicator	Target 2022/2023	Actual 2022/23 (Prov.)	Achievements as at 30 June 2023	Remarks
<b>Safe and modern road infrastructure</b>	Km of new classified road projects completed (Cumulative since 2020)	18.6	13.5	13.5	
	Km of existing classified roads resurfaced	25	24	54	

Delivery Unit	Main Service	Key Performance Indicator	Target 2022/2023	Actual 2022/23 (Prov.)	Achievements as at 30 June 2023	Remarks
<b>Technical Division (MNI)</b>	Design and contract administration of building projects	Preliminary Design completed within 1 month from date of request from Client Ministry	75%	70%	60%	Delays due to: (i) limited resources; (ii) changes in the requirements of the clients; and (iii) late submission of surveys by the MHLUP
		Bidding documents completed within 3 months after approval of Building Plans Committee	75%		75%	
<b>Construction Industry Development Board</b>	Registration of consultants, contractors, suppliers and service providers of the construction industry	Number of registered consultants, contractors, suppliers and service providers	2,500	2,357	2,464	
<b>Road Development Authority</b>	Develop and maintain a high standard classified road network, including highways	Construction of Quay D Flyover	100%		100%	
		Construction of La Vigie-La Brasserie Link Road	100%	75%	76%	Delay due to lengthy land acquisition and difficult site conditions

		Construction of La Brasserie-Beau Songes Link Road	30%	8%	6%	Contractor requested to take remedial action to catch up with delays by increasing resources and re-planning of works
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## Citizen Support Unit (CSU)

### CSU Statistics for the period from July 2022 to June 2023

Tickets Assigned to Ministry of National Infrastructure and Community Development - National Infrastructure Division

Number of Tickets Registered on Portal for the period July 2022 to June 2023

Types	Closed	Open	Rejected	Resolved	Grand Total
Complaint	367	163		22	552
General Inquiry	10	4	1		15
Suggestion	32	12		2	46
<b>Grand Total</b>	<b>409</b>	<b>179</b>	<b>1</b>	<b>24</b>	<b>613</b>

Cases settled **434**

% of Cases settled **71%**

### Tickets by Type and Stakeholders Registered on Portal for the period July 2022 to June 2023

Stakeholders	Closed	Open	Rejected	Resolved	Grand Total
<b>Complaint</b>	<b>367</b>	<b>163</b>		<b>22</b>	<b>552</b>
Building Section	3				3
Construction Industry Development Board	1				1
Energy Services Division	1				1
Ministry of National Infrastructure and Community Development - Infrastructure Development Division	1				1
Road Development Authority	361	163		22	546
<b>General Inquiry</b>	<b>10</b>	<b>4</b>	<b>1</b>		<b>15</b>
Ministry of National Infrastructure and Community	1				1

Development - Infrastructure Development Division					
Road Development Authority	9	4	1		14
<b>Suggestion</b>	<b>32</b>	<b>12</b>		<b>2</b>	<b>46</b>
Road Development Authority	32	12		2	46
<b>Grand Total</b>	<b>409</b>	<b>179</b>	<b>1</b>	<b>24</b>	<b>613</b>

## Project Management Information System

In an endeavour to improve efficiency in the implementation of building projects, the MNI has embarked on a digital transformation journey. The strategy comprised two key components: first the restructuring of the design and execution teams into clusters and secondly the implementation of a digitalised system for monitoring progress and resource utilization.

The restructuring has come into effect as from 15 September 2021. The technical sections of this Ministry have been classified into 4 clusters. Each cluster is responsible for the projects of its designated Ministry/Department or group of Ministries at all stages, that is, from inception to final DLP stage, through design, preparation of bidding documents, procurement and evaluation, and supervision. Each cluster reports administratively to its clients while all the technical matters are dealt with at the level of this Ministry.

PROMIS.biz became operational at the start of 2022 and allows officers from client Ministries to update and follow-up project progress or challenges online.

The PROMIS.biz system, a cloud-based system accessible 24/7 on any mobile device, has been designed to assist officers at all levels of the Ministry in reporting on the progress of their assignments. The system has a multiple workflow mechanism which provides consolidated as well as granular data to management on project progress in near real time.

The system enables users to upload pictures in different formats from mobile devices. It is compatible with most office tools and is capable of exporting data to common spreadsheet applications as well as generating reports.

It embeds a Geographic Information System (GIS) which allows the top management users to get a picture of all projects and their location on a map compatible with google maps. One of the outputs of this software is to produce a dashboard to aid in strategic and timely decision-making.

PROMIS.biz was developed by Mr. Josh Ramnarain, Senior Advisor at the Ministry and currently handles more than 890 projects representing about Rs. 14.8Billion worth of projects.

We are proud to share with you that the PROMIS project won the Best National Innovator Award 2023 in the National Innovator Hall of Fame competition in the public organisation category organised by the MRIC, held on 03<sup>rd</sup> June 2023.



## Implementation Plan - Director of Audit

### Audit Committee for FY 2022/23

The performance of the Audit Committee for Financial Year 2021/2022 was effective.

The composition of the Audit Committee for Financial Year 2022/2023 was as follows:

Name	Designation	Designation in Audit Committee
MrsTaslimahCodadeen	Deputy Permanent Secretary	Chairperson
MrSanjay Kumar Ramdyal	Director (Quantity Surveying)	Member
MrDashwanylJhuboo	Director (Civil Engineering)	Member
MrsBarender Kaur Appadoo	Deputy Director (Architecture)	Member
Miss RameshwareeRambaccus	Assistant Permanent Secretary	Secretary

In compliance with the Audit Committee Charter, the Audit Committee met on seven occasions, which were attended by all Committee members.

For the Financial Year 2022/23, the Audit Committee:

- considered 13 issues raised by the National Audit Office in its Management Letter for the year ended 30 June 2021. Recommendations pertaining to 8 issues were implemented fully while the progress for the remaining issues ranged between 54% and 95% due to external factors;
- followed up on the recommendations made in three Internal Control Reports. The recommendations of two reports were implemented fully (100%) while for one report, the progress is at 80% as three recommendations could not be implemented for practical reasons, as agreed with the Manager, Internal Control; and
- considered and followed up on the issue of submission of report and areas such as risk management and control, governance and values and ethics.

## Team building activities

*Divali Gathering  
26 October 2022*



*Catamaran outing  
29 October & 06 November 2022*



*Fun Run 20 November 2022*



*Kermesse 27 November 2022*



*Team Building at Ambre Mauritius  
11 December 2022*



*Christmas 22 December 2022*



*Welfare Lunch 26 December 2022*



*Promotion of Mr D. Gaoneadry to  
the post of SCE 06 March 2023*



*National Day Celebrations 09 March  
2023*



*SCE Farewell 17 April 2023*



*Eid Gathering 08 May 2023*



*Music Day – Antakshari competition  
21 June 2023*

## PART III

### Financial Performance

#### Financial Highlights

##### Overall Expenditure

An amount of **Rs 3,950 M** was provided to the National Infrastructure Division in Budget 2022-2023, out of which Rs 3,464 M representing 87.69% of voted estimates was spent. Details of the expenditure by economic categories are as follows: -

- Compensation of employees is made up of basic salary, salary compensation, allowances, extra assistance, end of year bonus, wages, travelling and transport, overtime, staff welfare and social contributions.
- Goods and Services are mainly recurrent expenses including Cost of Utilities, Fuel and Oil, Rent, Office Equipment and Furniture, Office Expenses, Maintenance of Buildings, Plant and Equipment, Vehicles and IT Equipment, Cleaning Services, Publications and Stationery, Fees, Scientific & Laboratory Equipment & Supplies and other Goods and Services such as Uniforms and Miscellaneous Expenses.
- Grants represent funds provided to Road Development Authority (RDA) and Construction Industry Development Board (CIDB) to meet partly their administrative costs.
- Social Benefits pertain to payment of funeral grant to heir or nearest relative who has borne the funeral expenses of a deceased officer still in service.
- Acquisition of Non-Financial Assets represents Upgrading of Office Buildings, Construction and Upgrading of Roads & Bridges, Maintenance and Rehabilitation of Roads and Bridges, Footpaths, Road Marking & Signage, Routine Maintenance, Transport Equipment, Other Machinery and Equipment and Intangible Fixed Assets.

##### Expenditure by Sub Head

The National Infrastructure has the following Sub Head under the main vote of Expenditure:

- Sub Head 15-101 : General
- Sub Head 15-102 : National Infrastructure Division
- Sub Head 15-103 : Road Construction and Maintenance
- Sub Head 15-104 : Electrical Services Division

##### **Statement of Expenditure for Sub Head 15-101: General**

The total expenditure for the financial year 2022/2023 amounted to Rs 127.91 M representing 90.27% of the voted estimates as indicated below:

**The percentage of expenditure for each economic category over total expenditure is as follows:**

Economic Category	Expenditure Incurred (Rs M)	% Expenditure over Total Expenditure
Allowance to Minister	2.40	1.88 %
Compensation of Employees	89.87	70.26 %
Goods and Services	33.62	26.28 %
Grants	0.00	0.00 %
Social Benefits	0.06	0.05 %
Acquisition of Non-Financial Assets	1.96	1.53 %
<b>TOTAL</b>	<b>127.91</b>	<b>100%</b>

**A comparison of actual expenditure for 2022/2023 against 2021/2022 and Estimates 2022/2023 is represented in the following table:**

Economic Category	2021-2022 Actual (Rs M) (a)	2022-2023 Estimates (Rs M) After Virement (b)	2022-2023 Actual (Rs M) (c)	Increase / Decrease between Actuals (Rs M) (c-a)	2022-2023 Variance from Estimates and Actual (Rs M) (b-c)
Allowance to Minister	2.40	2.40	2.40	0	0
Compensation of Employees	90.38	91.95	89.87	(0.51)*	2.08
Goods and Services	26.61	39.39	33.62	7.01	5.77
Grants	5.00	0	0	(5.0)*	0
Social Benefits	0.05	0.06	0.06	0.01	0
Acquisition of Non-Financial Assets	2.76	2.60	1.96	(0.80)*	0.64
<b>Total</b>	<b>127.20</b>	<b>136.40</b>	<b>127.91</b>		

\* Negative amounts represent decrease in expenditure

### Analysis of major changes between actual expenditure for 2021/2022 and 2022/2023

Economic Category	Reason for difference in actual amount of expenditure
<b>Compensation of Employees</b>	The adjustment of salary in connection with PRB Report 2021 was made in FY 2021/2022, hence the net decrease under item basic salary for FY 2022/2023.
<b>Goods &amp; Services</b>	The net increase is due to increase in expenditure under certain items, such as “Rental of Facilities for Events”, “Postage” and “Printing and Stationery”.
<b>Grants</b>	Decrease due to nil expenditure. No application received from the CIDB for grants.
<b>Social Benefits</b>	Social Benefits is paid as funeral grant to heir or nearest relative who has borne the funeral expenses of a deceased officer still in service.
<b>Acquisition of Non-Financial Assets</b>	Decrease in expenditure under item “E-Document Management System” – 20% of contract amount paid in 2022/2023 compared to 50 % paid in 2021/2022.

### Statement of Expenditure for Sub Head 15-102: National Infrastructure Division

The total expenditure for the financial year 2022/2023 amounted to Rs 392.82 M representing 66.30% of the voted estimates as indicated below:

#### Percentage of expenditure for each economic category over total expenditure

Economic Category	Expenditure Incurred (RsM)	% Expenditure over Total Expenditure
Compensation of Employees	333.43	84.88 %
Goods and Services	33.32	8.48 %
Acquisition of Non-Financial Assets	26.07	6.64 %
<b>TOTAL</b>	<b>392.82</b>	<b>100.00%</b>



**Comparison of actual expenditure for 2022/2023 against  
2021/2022 and Estimates 2022/2023**

Economic Category	2021-2022 Actual (Rs M) (a)	2022-2023 Estimates After Virement (Rs M) (b)	2022-2023 Actual (Rs M) (c)	Increase/Decrease between Actuals (RsM) (c-a)	2022-2023 Variance from Estimates and Actual (Rs M) (b-c)
Compensation of Employees	344.20	338.94	333.43	(10.77)*	5.51
Goods and Services	26.86	42.71	33.32	6.46	9.39
Acquisition of Non-Financial Assets	36.31	39.02	26.07	(10.24)*	12.95
<b>Total</b>	<b>407.37</b>	<b>420.67</b>	<b>392.82</b>		

\* Negative amounts represent decrease in expenditure

**Analysis of major changes between actual expenditure for 2021/2022 and 2022/2023**

Economic Category	Reason for difference in actual amount of expenditure
<b>Compensation of Employees</b>	The adjustment of salary in connection with PRB Report 2021 was made in FY 2021/2022, hence the net decrease under item basic salary for FY 2022/2023.
<b>Goods &amp; Services</b>	The net increase is due to increase in expenditure under certain items, such as “Telephone”, “Rental of Equipment” and “Maintenance of Equipment”
<b>Acquisition of Non-financial Assets</b>	The net decrease is due to reduced expenditure under certain projects such as “Replacement of Specialized Equipment at EAB”, “Installation of Main Low Voltage Panel at EAB” and “Water Proofing Works on Ledges Overhangs at EAB” which are completed and only retention money has been paid.

### Statement of Expenditure for Sub Head 15-103: Road Construction and Maintenance

The total expenditure for the financial year 2022/2023 amounted to Rs 2,843.09 M representing 91.60 % of the voted estimates as indicated below:

#### Percentage of expenditure for each economic category over total expenditure

Economic Category	Expenditure Incurred (RsM)	% Expenditure over Total Expenditure
Goods & Services	0.84	0.03 %
Grants	153.00	5.38 %
Acquisition of Non-Financial Assets	2,689.25	94.59 %
<b>TOTAL</b>	<b>2843.09</b>	<b>100%</b>

#### Comparison of actual expenditure for 2022/2023 against 2021/2022 and Estimates 2022/2023

Economic Category	2021-2022 Actual (Rs M) (a)	2022-2023 Estimates After Virement (Rs M) (b)	2022-2023 Actual (Rs M) (c)	Increase/Decrease between Actuals (Rs M) (c-a)	2022-2023 Variance from Estimates and Actual (Rs M) (b-c)
Goods and Services	0.25	1.30	0.84	0.59	0.46
Grants	141.67	153.00	153.00	11.33	0.00
Acquisition of Non-Financial Assets	1,951.03	2,718.20	2,689.25	738.22	28.95
<b>Total</b>	<b>2,092.95</b>	<b>2872.50</b>	<b>2,843.09</b>		

\* Negative amounts represent decrease in expenditure

**Analysis of major changes between actual expenditure for 2021/2022 and 2022/2023**

<b>Economic Category</b>	<b>Reason for difference in actual amount of expenditure</b>
<b>Goods &amp; Services</b>	The net increase is due to increase in expenditure under item “Studies & Surveys”.
<b>Grants</b>	Increase in expenditure due to payment of “Social Contribution” which was previously paid through departmental warrant from the Ministry of Finance, Economic Planning and Development and is now included under item Grant as from FY 2022/2023.
<b>Acquisition of Non-financial Assets</b>	The net increase is due to increase in expenditure under project “Construction of Jumbo/Phoenix Roundabout” and under item “Maintenance and Rehabilitation”.

**Statement of Expenditure for Sub Head 15-104: Electrical Services Division**

The total expenditure for the Financial Year 2022/2023 amounted to Rs 100.45 M representing 89.73 % of the voted estimates as indicated below:

**Percentage of expenditure for each economic category over total expenditure**

<b>Economic Category</b>	<b>Expenditure Incurred (RsM)</b>	<b>% Expenditure over Total Expenditure</b>
<b>Compensation of Employees</b>	92.84	92.43 %
<b>Goods &amp; Services</b>	5.96	5.93 %
<b>Acquisition of Non-Financial Assets</b>	1.65	1.64 %
<b>TOTAL</b>	<b>100.45</b>	<b>100%</b>

**Comparison of actual expenditure for 2022/2023 against 2021/2022 and Estimates 2022/2023**

<b>Economic Category</b>	<b>2021-2022 Actual (Rs M) (a)</b>	<b>2022-2023 Estimates After Virement (Rs M) (b)</b>	<b>2022-2023 Actual (Rs M) (c)</b>	<b>Increase/Decrease between Actuals (Rs M) (c-a)</b>	<b>2022-2023 Variance from Estimates and Actual (Rs M) (b-c)</b>
Compensation of Employees	90.45	99.00	92.84	2.39	6.16
Goods and Services	5.27	9.92	5.96	0.69	3.96
Acquisition of Non-Financial Assets	2.15	1.83	1.65	(0.56)*	0.18
<b>TOTAL</b>	<b>97.87</b>	<b>110.75</b>	<b>100.45</b>		

\* Negative amounts represent decrease in expenditure

**Analysis of major changes between actual expenditure for 2021/2022 and 2022/2023**

<b>Economic Category</b>	<b>Reason for difference in actual amount of expenditure</b>
<b>Compensation of Employees</b>	The net increase is due to increase in expenditure under item travelling and transport as a result of more officers being eligible for PRB Travelling, Travel Grant, Commuted Travelling and Mileage allowance.
<b>Goods &amp; Services</b>	Due to increase in expenditure under certain items such as Fuel and Oil, Rental of Equipment, Maintenance of Vehicles, Cleaning of office premises and Security Services.
<b>Acquisition of Non-financial Assets</b>	Due to decrease in expenditure under item "Acquisition of Software" as procurement of software licenses was made in FY 2021/2022.

### 3.1.3 Revenue

The National Infrastructure Division collects revenue generated from Materials Testing Laboratory Fees, Miscellaneous Sales of Goods & Services and Rental of Quarters. The total revenue collected for the financial year 2022-2023 amounted to Rs 4.48 Million as indicated below:

#### Comparison of actual revenue collection for 2022/2023 against 2021/2022 and Estimates 2022/2023

Revenue Item	2021-2022 Actual (RsM) (a)	2022-2023 Estimates (RsM) (b)	2022-2023 Actual (RsM) (c)	Increase/ Decrease between Actuals (Rs M) (c-a)	2022-2023 Variance from Estimates and Actual (Rs M) (b-c)
Materials Testing Laboratory Fees	4.836	5.00	4.068	(0.768)*	0.932
Sales of Goods & Services - (Miscellaneous)	5.964	0	0	(5.964)*	0
Sales of Goods & Services - (Fees for Technical Assistance)	0	0	0.008	0.008	(0.008)*
Rental of Govt. Property	0.408	0.400	0.408	0.000	(0.008)*
<b>TOTAL</b>	<b>11.208</b>	<b>5.400</b>	<b>4.484</b>		

\* Negative amount represents decrease in revenue collection.

#### Analysis of major changes between actual revenue collection for 2021/2022 and 2022/2023

Economic Category	Reason for difference in actual amount of collection
<b>Material Testing Laboratory Fees</b>	Revenue collected is based on the number of tests carried out by the Material Testing Laboratory
<b>Sale of Goods &amp; services (Miscellaneous)</b>	No auction sale was carried out during Financial Year 2022/2023.
<b>Sale of Goods &amp; Services (Fees for Technical Assistance)</b>	New item created in FY 2022/2023 for collection of Fees in connection with Specifications for Specialised Vehicles, Plant & Equipment by the Mechanical Engineering Division of the Ministry.

**Note:** Expenditure under Carry Over is included in actual expenditure as at 30 June 2023.

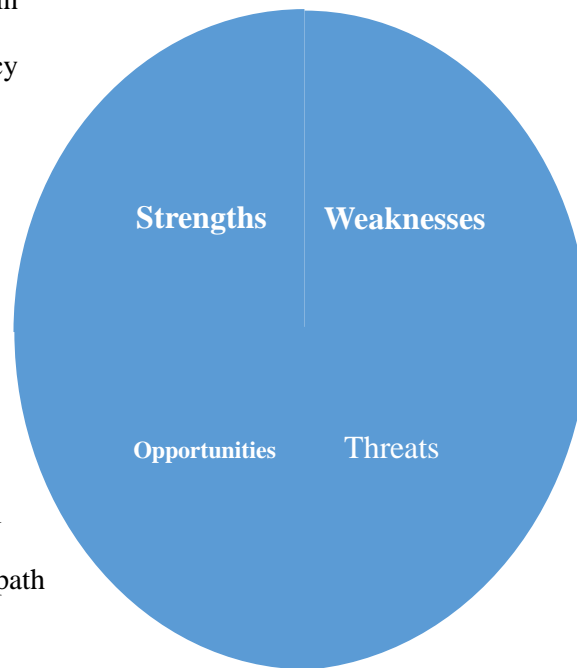
As per Treasury Circular No. 14 of 2017 – Accrual and Prepayment Rules, capital expenditure carried over under Carry-Over rule shall be accrued and shall be dealt with at the level of MOFEPD/Treasury as per Note 2 of the above circular.

## Part IV

### Way Forward

Government is pursuing its massive investment in public infrastructure. The Ministry is addressing the challenges through innovation, capacity building and adopting modern technologies. The Ministry will, therefore, remain the main actor with respect to Infrastructural Development and economic growth.

- Qualified and competent professionals
- Top level commitment towards the vision and mission of the Ministry
- Expertise and experience in multidisciplinary fields
- Quality consultancy services
- Well organized sections



- Ageing workforce (specific areas)
- Bureaucracy/Inter-dependency with other stakeholders in project implementation
- Lack of proper succession planning
- Frustration among professional and lack of motivation due to leadership issues
- Lack of resources - financial, manpower & technological
- Lack of specialized technical training
- Shortage of skills in certain areas

- Exposure to multisectoral projects
- Clear and defined career path
- Sustainable practices and efficient use of resources
- Technical assistance under bilateral cooperation agreement

- Pandemics
- War
- Brain drain
- Disruption in supply chain
- Limited competition in bidding exercise

## Strategic direction

The Ministry will continue its momentum to promote sustainable and modern practices to enhance infrastructural development for the country. It endeavours to achieve this aim through the following strategic measures:



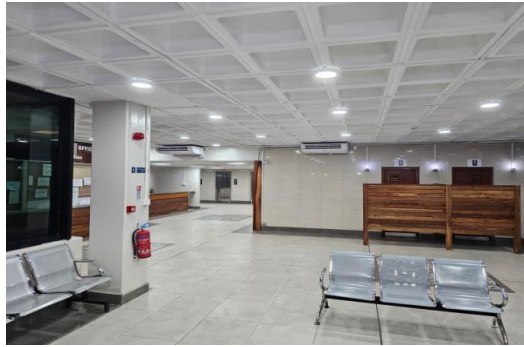
### **Construction Industry**

- With a view to coping with modern work processes, the Ministry proposes to embark on the Building Information Modelling (BIM) platform within the next five years.
- The technical sections of the Ministry would embark on a new information technology-based system to better design and supervise projects.
- The Ministry will promote the use of modern building technologies, laying emphasis on sustainable and greener buildings at design stage.
- The new Construction Industry Authority will be the main regulating body and it will develop appropriate standards and codes for the Industry.

### **Civil Engineering/Geotechnical Unit**

- The Materials Testing Laboratory will be accredited within three years. In this context, the laboratory is being upgraded with specialized geotechnical equipments. These equipments will enable the Geotechnical Unit to carry out reliable and precise tests/analysis.
- In line with the features identified in the Landslide Hazard Map, the Ministry will devise a Landslide Management Plan, outlining locations at risks, the severity of the risks and the necessary counter measures. The Landslide Management Plan will ultimately be an important tool for identifying future development sites and same can help to update Planning Policy Guidances (PPGs) and Outline Planning Schemes.





## **Energy Services**

- Energy efficiency will be maintained as a key consideration, and accordingly renewed emphasis will be laid on measures such as: installation of photovoltaic panels, more energy efficient air conditioners in Government buildings, the setting up of an Energy Efficient Building Standard through the necessary legislation; and
- A Framework Agreement of Electrical Contractors to undertake electrical installations in public buildings is envisaged in order to respond more rapidly and efficiently to requests.



## **Management of Government Vehicles:**

- The Ministry will proceed with the extension of the Vehicle Management System (VMS) to all Ministries and Departments in order to ensure a more efficient management of Government vehicles. The VMS will be a valuable tool for sound decision making with respect to vehicle fleet replacement, fuel economy, repairs and maintenance.

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