REPORT OF THE
DIRECTOR OF AUDIT

On the Financial Statements
of the Rajiv Gandhi Science Centre Trust Fund
for the year ended 30 June 2017
STATEMENT FROM CHAIRPERSON

I am pleased to present my second Annual Report message for the one and a half year 2016-2017 as Chairperson of the Rajiv Gandhi Science Centre Trust Fund Board. The Rajiv Gandhi Science Centre (RGSC) has indeed created a positive image by running successfully many challenging and innovative projects and events to inspire people of all ages and achieve its mission of popularising science and technology education in Mauritius. This has been made possible because of the commitment, dedication and hard work of the staff under the able leadership of the Director.

The Strategic Plan 2017-2030, which was approved by the Board, has charted the roadmap ahead and I am confident that this will give new directions for the RGSC to become a Centre of Excellence for STEM education.

Some key highlights of the year, such as the Rise of Digital India Exhibition, the Partial Solar Eclipse, the National Science Week, Kiddy Science Fair in collaboration with the Early Childhood Education and Care Authority. Glider Competition, Biology Camp, workshops, research and many other activities have all contributed to enhance the image of the Rajiv Gandhi Science Centre at the local and international levels.

I have no doubt that the future of Rajiv Gandhi Science Centre will be brighter with the improvement in human and infrastructure facilities, the setting up of the Satellite centre and new projects which are in the pipeline.

I thank the dedicated staff of the Rajiv Gandhi Science Centre, Board members, sponsors, stakeholders, the parent Ministry and the Minister of Education, Human Resources, Tertiary Education and Scientific Research, Hon. Leela Devi Dookun-Luchoomun for all their support in helping the Centre to realise its vision.

Dr. Jayantee Naugah, FRSB, CBiol (UK), PDSM  
Chairperson, Rajiv Gandhi Science Centre Trust Fund
STATEMENT FROM DIRECTOR

The contents of this one-and-a-half-year annual report reflect the achievements of the Rajiv Gandhi Science Centre in line with its strategic objectives. This has been a period of challenges, progress and success in various aspects.

Some major national achievements include the exhibition on “The Rise of Digital India” from March to April 2016, the Partial Solar Eclipse in September 2016 and the National Science Week 2017.

Innovation has been an integral part of the activities with new events such as the Model Glider Competition, in collaboration with the Aeronautical Society of Mauritius, the Biology Camp, sponsored by the Royal Society of Biology, Kiddy Science Fair, in partnership with Early Childhood Care and Education Authority, and the reformatted National Science Week.

The high outcomes have been possible despite the slow progress in the recruitment of new staff. We look forward to the filling of all the crucial positions in the Financial Year 2017-2018. This will be the motivating factor to increase productivity.

Maintaining a good image of the centre is another priority of the Rajiv Gandhi Science Centre Trust Fund Board. To this end, continuous repairs and maintenance are going on to the building and premises, as well as to the exhibits in the galleries and Science Park, within the limited budget allocated by Government. We look forward to completing major repair works of the building and premises, as well as upgrading the electrical networks in the financial year 2017-2018.

A major milestone during the concerned period has been the launching of the new Strategic Plan 2017-2030 in May 2017. This will give a new direction and pave the way for Rajiv Gandhi Science Centre to be a centre of excellence in the popularisation of science and technology in the region. We also look forward to expanding the boundary of the centre with the coming up of the Satellite Centre at Réduit.

The outstanding success during this period has been possible due to the team spirit that exists in the centre and the full support of the Chairperson and Board members of the Rajiv Gandhi Science Centre Trust Fund Board. National success of the activities has been possible thanks to the support of the parent Ministry, and all our local and international collaborators, sponsors and media partners, with the common goal of promoting STEM.

Dr. Aman Kumar Maulloo
Director, Rajiv Gandhi Science Centre
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1.0 CORPORATE OBJECTIVE STATEMENT
Our Vision

To be a Centre of excellence in the communication and promotion of Science and Technology.

Our Mission

To serve as a Centre for informal education and popularisation of Science and Technology among the population through various media.

Our Objectives

- Create awareness for Science and Technology.
- Encourage creativity and innovation particularly among young people.
- Supplement education in Science and Technology at all levels.
- Enhance public understanding of Science and Technology.

Our Strategy

1. Develop new exhibits on emerging areas in Science and Technology.
2. Encourage students to undertake science projects that will enhance their creativity, reasoning ability and skills.
3. Organise lectures, seminars and workshops for various target groups.
4. Develop interactive educational programmes in Science and Technology.
5. Acquire and disseminate latest information in Science and Technology.
6. Create awareness on impact of Science and Technology in society.
7. Collaborate with other institutions for the promotion of Science and Technology.

Core Values

Professionalism - We ensure high standard in our work and services
Best Practices - We value quality and innovation
Teamwork - We encourage team spirit and support to achieve excellence
Timeliness - We are very committed to meet timely targets and always respect deadlines

Commitments

We provide high quality, fun, innovative and contemporary programmes, supported by accurate, easily understood information to entertain and stimulate your interest in Science and Technology. We ensure that you feel welcomed and valued and are treated equally, with courtesy and respect.
2.0 CORPORATE GOVERNANCE REPORT
### Corporate Governance

The Board of the Rajiv Gandhi Science Centre Trust Fund (RGSCTF) was constituted as follows:

<table>
<thead>
<tr>
<th>No.</th>
<th>Name</th>
<th>Designation</th>
<th>Composition of the Board as per RGSCTF Act</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr (Mrs) J. Naughah</td>
<td>Consultant on Education (Open University)</td>
<td>Chairperson</td>
</tr>
<tr>
<td>2</td>
<td>Dr A.K. Mauloo</td>
<td>Director</td>
<td>Director of Rajiv Gandhi Science Centre</td>
</tr>
<tr>
<td>3</td>
<td>Mr M. Varaden</td>
<td>Deputy Permanent Secretary</td>
<td>Representative of Ministry of Education and Human Resources, Tertiary Education and Scientific Research</td>
</tr>
<tr>
<td>4</td>
<td>Mrs C. Jhowry</td>
<td>Deputy Permanent Secretary</td>
<td>Representative of Ministry of Agro-Industry &amp; Food Security</td>
</tr>
<tr>
<td>5</td>
<td>Mrs T.A. Mudhoo</td>
<td>Deputy Permanent Secretary</td>
<td>Representative of Ministry of Industry, Commerce and Consumer Protection</td>
</tr>
<tr>
<td>6</td>
<td>Mr D. Rawoojee</td>
<td>Assistant Permanent Secretary</td>
<td>Representative of Ministry of Health &amp; Quality of Life</td>
</tr>
<tr>
<td></td>
<td>Alternate: Mr D. Dassaye</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Mr R. Mungra</td>
<td>Director</td>
<td>Representative of Meteorological Services</td>
</tr>
<tr>
<td>8</td>
<td>Mrs. S.B. Mamode Hosmun</td>
<td>Analyst</td>
<td>Representative of Ministry of Finance &amp; Economic Development</td>
</tr>
<tr>
<td></td>
<td>Alternate: Mrs K. Nunkoo-Puttur</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Mrs M. Ramsum Bhowon</td>
<td>Assistant Permanent Secretary</td>
<td>Representative of Ministry of Energy and Public Utilities</td>
</tr>
<tr>
<td>10</td>
<td>Mr D. Sauba</td>
<td>Director (Planning &amp; Budget)</td>
<td>Representative of Ministry of Education and Human Resources, Tertiary Education and Scientific Research</td>
</tr>
<tr>
<td>11</td>
<td>Mrs P. Mooruth</td>
<td>Assistant Permanent Secretary</td>
<td>Representative of Ministry of Ocean Economy, Marine Resources, Fisheries, Shipping and Outer Island</td>
</tr>
<tr>
<td>12</td>
<td>Mr S. Maudarbocus</td>
<td>Ag. Deputy Director - Corporate</td>
<td>Representative of MITD</td>
</tr>
<tr>
<td>13</td>
<td>Mr Amit A. Shukla</td>
<td>First Secretary</td>
<td>Representative of Indian High Commission</td>
</tr>
<tr>
<td>14</td>
<td>Mr Lindsay Teeluck</td>
<td>Educator, St Esprit College</td>
<td>Appointed Member by Minister</td>
</tr>
<tr>
<td>15</td>
<td>Mr A. Muhomud</td>
<td>Retired Rector of Secondary School</td>
<td>Appointed Member by Minister</td>
</tr>
<tr>
<td>16</td>
<td>Mr S. Ramen</td>
<td>IT Manager</td>
<td>Appointed Member by Minister</td>
</tr>
<tr>
<td>17</td>
<td>Mr H. J. Dhoonooah</td>
<td>Educator, Royal College Curepipe</td>
<td>Appointed Member by Minister</td>
</tr>
</tbody>
</table>
During the year January 2016 – June 2017, the Board met on TEN occasions.
The following Board Committees have been established by the Rajiv Gandhi Science Centre Trust Fund Board to examine in-depth specific matters:

- Finance Committee
- Staff Committee
- Interview Committee
- Sub-Committee

**FINANCE COMMITTEE**

The Finance Committee considers and makes recommendations to the Board on matters relating to the following:

- Examination of the Recurrent and Capital Budget and Financial Statements of the Centre
- Examination of the Departmental Bid Evaluation Reports in respect of bids whose value exceeds Rs 100,000 for the award of contract
- Recommendation for approval of the Board expenditures exceeding Rs 100,000

During the year January 2016 – June 2017, the Finance Committee met on TEN occasions.

The Composition of the Finance Committee was as follows:

<table>
<thead>
<tr>
<th>Name</th>
<th>Composition</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Ms S.B. Mamode Hosmun</td>
<td>Analyst as Representative of Ministry of Finance &amp; Economic Development as Chairperson</td>
</tr>
<tr>
<td>2. Mrs D. Sauba</td>
<td>Director (Planning &amp; Budgeting) (Representative of Ministry of Education and Human Resources, Tertiary Education and Scientific Research)</td>
</tr>
<tr>
<td>3. Mr S. Maudarbocus</td>
<td>Acting Deputy Director (Corporate) as Representative of Mauritius Institute of Training and Development</td>
</tr>
<tr>
<td>4. Dr. A.K. Maulloo</td>
<td>Director, Rajiv Gandhi Science Centre</td>
</tr>
<tr>
<td>5. Mrs A. Heenaye &amp; Mr M. Ramrekha</td>
<td>Assistant Manager (Finance) as Co-opted Member, (Ministry of Education and Human Resources, Tertiary Education and Scientific Research)</td>
</tr>
</tbody>
</table>
The Staff Committee considers and makes recommendations to the Board on matters relating to the following:

- Staff matters
- Selection and Appointment

During the period under review, the Staff Committee met on 11 occasions (including 6 sittings for interview exercises and 3 sittings for Sub-Committee for screening process).

The Composition of the Staff Committee was as follows:

Table 3 : Composition of the Staff Committee of RGSCTF Board (2016/2017)

<table>
<thead>
<tr>
<th>Name</th>
<th>Composition</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Mr M. Varaden</td>
<td>Deputy Permanent Secretary as Representative of Ministry of Education and Human Resources, Tertiary Education and Scientific Research as Chairman</td>
</tr>
<tr>
<td>2. Mr R. Mungra</td>
<td>Director as Representative of Meteorological Services</td>
</tr>
<tr>
<td>3. Mrs T.A. Mudhoo</td>
<td>Deputy Permanent Secretary as Representative of Ministry of Industry, Commerce and Consumer Protection</td>
</tr>
<tr>
<td>4. Dr. A.K. Maulloo</td>
<td>Director, RGSC</td>
</tr>
<tr>
<td>5. Mr P. Ramkhelawon</td>
<td>Assistant Manager (HR) as Co-opted Member, Ministry of Education and Human Resources, Tertiary Education and Scientific Research</td>
</tr>
</tbody>
</table>

**ATTENDANCE AND REMUNERATION OF BOARD MEMBERS**

Board members are remunerated from the General Fund as per recommendations of PRB Report 2016. The monthly fee payable to the Chairperson was Rs 29,925/- as from 01 January 2016.

Board Members were paid Rs 890/- per sitting for attending Board Committees.

For Finance and Staff Committees, the Chairperson was paid a fee of Rs 1220/- per sitting while Members were paid a fee of Rs 890/- per sitting.

As regards for interview exercise, the Chairperson was paid a fee of Rs1220/- per sitting while Members were paid a fee of Rs 815/- per sitting.

For Sub-Committees, Members were paid a fee of Rs 815/- per sitting.

During the period, the total fees paid to the Chairperson and Board Members for attendance at Board Meetings amounted to Rs 556,918.75.
### Table 4: Attendance and Remuneration of Board Members For the Year 2016/2017

<table>
<thead>
<tr>
<th>Board Members</th>
<th>Board Meetings (including Special Board Meetings)</th>
<th>Board Committees</th>
<th>Remuneration for year 2016/2017 (Net of PAYE) (Rs)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No. of Meetings</td>
<td>FC</td>
<td>SC</td>
</tr>
<tr>
<td>Dr. (Mrs) J. Naugah</td>
<td>10</td>
<td>10</td>
<td>-</td>
</tr>
<tr>
<td>Mr M. Varaden</td>
<td>7</td>
<td>-</td>
<td>2</td>
</tr>
<tr>
<td>Mrs D. Sauba</td>
<td>6</td>
<td>4</td>
<td>-</td>
</tr>
<tr>
<td>Mr S. Maudarbocus</td>
<td>9</td>
<td>9</td>
<td>-</td>
</tr>
<tr>
<td>Mr R. Mungra</td>
<td>9</td>
<td>-</td>
<td>3</td>
</tr>
<tr>
<td>Mrs C. Jhowry</td>
<td>4</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Mrs T. A. Mudhoo</td>
<td>8</td>
<td>-</td>
<td>3</td>
</tr>
<tr>
<td>Ms M. B Mamode Hosmun</td>
<td>4</td>
<td>5</td>
<td>-</td>
</tr>
<tr>
<td>Mr D. Rawojee</td>
<td>6</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Mrs S. Nunkoo Puttur</td>
<td>3</td>
<td>5</td>
<td>-</td>
</tr>
<tr>
<td>Mrs P. Mooruth</td>
<td>3</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Mr N.A. Jurawon</td>
<td>3</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Mr D. Dassaye</td>
<td>2</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Mrs M. Ramsurn Bhowon</td>
<td>4</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Mr M.A. Joomun</td>
<td>2</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Mr N. A. Jurawon</td>
<td>2</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Ms P. Bungaroo</td>
<td>4</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Mrs M. Seblin</td>
<td>1</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Mrs V. Appadoo</td>
<td>1</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Mr M.Z. Madabokus</td>
<td>1</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Mr S. Ramen</td>
<td>7</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Mr A.R. Muhomud</td>
<td>3</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Mr H. Dhoonooah</td>
<td>3</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Mr A. Ramkhelawon</td>
<td>-</td>
<td>-</td>
<td>2</td>
</tr>
<tr>
<td>Mr M. Ramrekha</td>
<td>-</td>
<td>2</td>
<td>-</td>
</tr>
<tr>
<td>Mr R. Ramzan</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Mrs A. Heenaye</td>
<td>-</td>
<td>6</td>
<td>-</td>
</tr>
</tbody>
</table>

SC : Staff Committee  
IC: Interview Committee  
Sub C: Sub-Committee
Table 5: List of Senior Management Team at the Rajiv Gandhi Science Centre

<table>
<thead>
<tr>
<th>Name</th>
<th>Designation</th>
<th>Profile</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Aman Kumar Maulloo</td>
<td>Director</td>
<td>BSc(Hons) Mathematics</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MSc Operational Research</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PhD Operational Research</td>
</tr>
<tr>
<td>Mr Dayachand Balgobin</td>
<td>Manager/ Curator Mechanical Engineering</td>
<td>B(Eng) Mechanical Engineering</td>
</tr>
<tr>
<td></td>
<td></td>
<td>M(Eng) of Mechanical Engineering</td>
</tr>
<tr>
<td>Mr Sookdeo Rungoo</td>
<td>Manager/ Curator Education</td>
<td>BSc (Hons) and MSc in Physics</td>
</tr>
<tr>
<td>Mr Prakash Jhugaroo</td>
<td>Manager Graphics and Exhibition</td>
<td>BF Arts(Appplied)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Master of Business Administration</td>
</tr>
<tr>
<td>Mr Hemraj Ramsurrun</td>
<td>Manager/ Curator Electrical/ Electronic/ IT</td>
<td>B.Eng (Hons) Electrical &amp; Electronic Engineering</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MSc Information &amp; Communication Technologies</td>
</tr>
</tbody>
</table>
3.0 STAFF
<table>
<thead>
<tr>
<th>SN</th>
<th>Name of Officer</th>
<th>DESIGNATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Dr. Aman Kumar Maulloo</td>
<td>Director</td>
</tr>
<tr>
<td>2.</td>
<td>Mr Dayachand Balgobin</td>
<td>Manager/ Curator (Mechanical Eng.)</td>
</tr>
<tr>
<td>3.</td>
<td>Mr Sookdeo Rungoo</td>
<td>Manager/ Curator (Education)</td>
</tr>
<tr>
<td>4.</td>
<td>Mr Prakash Jhugaroo</td>
<td>Manager (Graphics and Exhibition)</td>
</tr>
<tr>
<td>5.</td>
<td>Mr Hemraj Ramsurrun</td>
<td>Manager/ Curator (Electrical/IT)</td>
</tr>
<tr>
<td>6.</td>
<td>Mrs Bhamini Kamudu Applasawmy</td>
<td>Resource Officer/Senior Resource Officer</td>
</tr>
<tr>
<td>7.</td>
<td>Mrs Anuradha Sunnassee</td>
<td>Confidential Secretary/Ag. Officer</td>
</tr>
<tr>
<td>8.</td>
<td>Mrs Anusha Preeya Soomarchun</td>
<td>Clerk/W.P.O/Ag. Assistant Financial Officer</td>
</tr>
<tr>
<td>9.</td>
<td>Mr Vedanand Ramful</td>
<td>Driver/Handy Worker</td>
</tr>
<tr>
<td>10.</td>
<td>Mr Kenchand Boodhun</td>
<td>Driver/Handy Worker</td>
</tr>
<tr>
<td>11.</td>
<td>Mr Vashall Chutooree</td>
<td>Electrician</td>
</tr>
<tr>
<td>12.</td>
<td>Mr Vikash Nurai</td>
<td>Tradesman/Senior Tradesman</td>
</tr>
<tr>
<td>13.</td>
<td>Mr Laviswarao Busiah</td>
<td>Tradesman/Senior Tradesman</td>
</tr>
<tr>
<td>14.</td>
<td>Mr Elise Didier David</td>
<td>Welder</td>
</tr>
<tr>
<td>15.</td>
<td>Mr Nundev Sookeehah</td>
<td>Painter</td>
</tr>
<tr>
<td>16.</td>
<td>Mr Gineshwar Ramsaran</td>
<td>Handy Worker</td>
</tr>
<tr>
<td>17.</td>
<td>Mr Rayazouddin Mohung</td>
<td>Office Attendant</td>
</tr>
<tr>
<td>18.</td>
<td>Mr Satianand Ramsohok</td>
<td>Gardener</td>
</tr>
<tr>
<td>19.</td>
<td>Mr. Bisnath Kissoon</td>
<td>Gardener</td>
</tr>
<tr>
<td>20.</td>
<td>Mr Headley D. Cocotte</td>
<td>Carpenter</td>
</tr>
</tbody>
</table>
4.0 HUMAN RESOURCE DEVELOPMENT
Human Resource Development is a vital area for any organisation because ideas for innovation, quality and continuous improvement, as well as other critically important inputs, come from people and not from machines. The extent to which people provide suggestions for improvements – in all forms – depends, to a large extent, on human resource development strategies within the organisation. Thus the RGSC puts a lot of emphasis on the need to develop its human resources on an ongoing basis.

Mrs B Kamudu-Applasawmy, Resource Officer at the RGSC followed a training programme on Science Centre Leadership at the Australian National University from 22 April to 3 June 2017. She was awarded the Australia Award Fellowship by the Australian Government.
### Table 7: List of Workshop RGSC staff attended during the year 2016

<table>
<thead>
<tr>
<th>DATE</th>
<th>ORGANISATION</th>
<th>WORKSHOP</th>
<th>OFFICER</th>
</tr>
</thead>
<tbody>
<tr>
<td>19 &amp; 20.02.2016</td>
<td>Min of Labour, Industrial Relations, Employment and Training</td>
<td>Seminar on Occupational Safety and Health</td>
<td>Mr H. Ramsurrun (Manager/Curator)</td>
</tr>
<tr>
<td>February &amp; March 2016</td>
<td>Mauritius Research Council</td>
<td>Training Course &amp; Certification in Energy Auditing</td>
<td>Mr H. Ramsurrun (Manager/Curator)</td>
</tr>
<tr>
<td>09.03.2016</td>
<td>Australian High Commission</td>
<td>International Women's Day - &quot;Women in Science&quot;</td>
<td>Mrs Kamudu Applasawmy (Resource Officer/ Senior Resource Officer)</td>
</tr>
<tr>
<td>06 &amp; 07 April 2016</td>
<td>Mauritius Research Council</td>
<td>Workshop on Nanotechnology</td>
<td>Mr D. Balgobin ( Mechanical Engineering)</td>
</tr>
<tr>
<td>02 &amp; 03 May 2016</td>
<td>Civil Service College Mauritius</td>
<td>Training Programme on Effective Communication and Interpersonal Skills</td>
<td>Mrs A. Sunnassee (CS/Ag Administrative Officer)</td>
</tr>
<tr>
<td>May-16</td>
<td>Civil Service College Mauritius</td>
<td>Training Course in First Aid</td>
<td>Mr. L. Busiah (Tradesman/Senior Tradesman)</td>
</tr>
<tr>
<td>27.05.2016</td>
<td>Civil Service College Mauritius</td>
<td>Training Programme on Writing Effective Minutes of Meeting</td>
<td>Mrs A. Sunnassee (CS/Ag Administrative Officer)</td>
</tr>
<tr>
<td>1 &amp; 3 06.2016</td>
<td>Civil Service College Mauritius</td>
<td>Training Programme on Leadership: Making a difference</td>
<td>Dr. Aman Kumar Maulloo (Director)</td>
</tr>
<tr>
<td>27 June 2016</td>
<td>Ministry of Financial Services, Good Governance and Institutional Reforms</td>
<td>Workshop on Corporate Governance</td>
<td>Mr D. Balgobin ( Mechanical Engineering)</td>
</tr>
<tr>
<td>July 2016</td>
<td>University of Mauritius</td>
<td>Course for Photovoltaic for Beginners</td>
<td>Mr H. Ramsurrun (Manager/Curator)</td>
</tr>
<tr>
<td>22 &amp; 29 11 2016</td>
<td>Civil Service College Mauritius</td>
<td>Managing Change for Transformation</td>
<td>Mr D. Balgobin (Mechanical Engineering)</td>
</tr>
</tbody>
</table>

### Table 8: List of Workshop RGSC staff attended during the year 2017

<table>
<thead>
<tr>
<th>DATE</th>
<th>ORGANISATION</th>
<th>WORKSHOP</th>
<th>OFFICER</th>
</tr>
</thead>
<tbody>
<tr>
<td>February 2017</td>
<td>Civil Service College Mauritius</td>
<td>Training Course in First Aid</td>
<td>Mr V. Nurai</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Mr E. D. David</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Mr G. Ramsaran</td>
</tr>
<tr>
<td>6-7.02.2017</td>
<td>European Union</td>
<td>Seminar “Horizon 2020 and Erasmus+”</td>
<td>Dr. Aman Kumar Maulloo (Director)</td>
</tr>
<tr>
<td>April 2017</td>
<td>Civil Service College Mauritius</td>
<td>Training Course in First Aid</td>
<td>Mr V. Chutooree</td>
</tr>
<tr>
<td>16 &amp; 17 May 2017</td>
<td>Ministry of Labour, Industrial Relations, Employment and Training</td>
<td>Seminar on Occupational Safety and Health</td>
<td>Mr D. Balgobin ( Mechanical Engineering)</td>
</tr>
<tr>
<td>22 &amp; 23 June 2017</td>
<td>Civil Service College, Mauritius</td>
<td>Training Programme on Tender Preparation</td>
<td>Mr H. Ramsurrun (Electrical/ Electronics/IT)</td>
</tr>
</tbody>
</table>
SECTION 1

5.0 GENERAL REVIEW
The Rajiv Gandhi Science Centre (RGSC), a para-statal body operating under the aegis of the Ministry of Education and Human Resources, Tertiary Education and Scientific Research has the mandate to popularise Science in Mauritius. Since it opened its doors in 2004, RGSC has targeted more than 400 000 visitors through its science exhibitions and science promotion activities.

The Centre situated at Bell Village houses 6 science exhibition galleries and a Science Park which are open to public visit every day. The exhibitions cover areas of science such as Astronomy, Climate Change and Environment, Resources of Mauritius, Frontiers of Technology, Fun Science and Science of Sports. The core business of the Centre remains its science exhibition consisting of interactive hands-on exhibits aimed at engaging the visitors with science and technology in a fun manner.

Since its inception, the Centre has been supplementing schools science education through various programmes targeting both students and the educators through the organisation of science competitions, science demonstrations, science lectures and professional development workshops for educators. In this line, RGSC has become a centre-point with respect to the popularisation of Astronomy in Mauritius. One of the major astronomical events of the year 2016 was the partial solar eclipse observed on 01 September 2016. RGSC played its role fully to promote the event to schools and to the public. Its activities consisted of training of educators of primary and secondary schools on “methods to view the eclipse safely”, facilitating the distribution of some 15000 solar filtered glasses to schools upon prior order, organization of press conferences and setting up specially equipped telescopes for public viewing on the day of the event. Other major events for the financial year (Jan 2016 to June 2017) were the organisation of National Science Week, and the well anticipated science-based competition targeting secondary schools – Science Quest.

With the view to establish itself as a leader in the popularisation of science in Mauritius, RGSC has come up with a new vision as illustrated by the publication of a new strategic plan in 2017. RGSC aims to widen its reach and will exploit new avenues in the future for enhanced visitor experiences and for the promotion of science in Mauritius.
6.0 ACHIEVEMENTS
One of the major strategies adopted by science centres around the world in promoting Science and Technology (S&T) is the development of interactive exhibits and exhibitions on emerging areas of S&T.

Thus, in line with international trends the RGSC develops thematic exhibitions every alternate year. On the 8th May 2017, the Rajiv Gandhi Science Centre (RGSC), opened an exhibition corner on Chemical Weapons Convention in its Land and Environment gallery.
6.1.1 CHEMICAL WEAPON CONVENTION CORNER

The Chemical Weapon Convention Corner was officially inaugurated by Hon. (Mrs) Leela Devi Dookun-Luchoomun, Minister of Education and Human Resources, Tertiary Education and Scientific Research on the 8th May 2017.

The exhibition has been designed with interactive stations, games and videos, as well as display panel for visitors to explore the different issues surrounding chemical weapons and to look at the impacts of the use of chemical weapons in a fun and informal manner.

The exhibition was funded by the Organisation for the Prohibition of Chemical Weapons (OPCW).
6.1.2 RISE OF DIGITAL INDIA 2016

The Rajiv Gandhi Science Centre (RGSC) had hosted a world travelling exhibition from the National Council of Science Museums, India entitled ‘The Rise of Digital India’ from 09 March to 22 April 2016. The project was fully supported by the Ministry of Education and Human Resources, Tertiary Education and Scientific Research, the High Commission of India and the Indira Gandhi Centre for Indian Culture.

The exhibition ‘The Rise of Digital India’ developed by the National Council of Science Museums, India, showcases the phenomenal rise of computing sector and digital technologies in India after independence. The sector has touched the lives of millions of Indians in areas such as agriculture, power generation, weather forecasting, e-commerce, atomic energy, space, communication, e-governance etc. The exhibition has about 70 exhibits covering an area of 450 Square metre and is divided into the sections such as ‘India: A culture of information’, ‘First Steps into modernity’, ‘Maturing of an information civilization’, ‘Impacts on the society’ and ‘IT and Space Science partners in development’. Use of visuals and graphics, film clippings, artefacts/replica and interactive multimedia has been effectively made in the exhibition.
This event was aimed at fostering the ties between India and Mauritius, while also intending to allow the public to enhance their knowledge on how Science and Technology contributed to the significant improvement of a country’s socio-economic development.

‘The Rise of Digital India’ exhibition had successfully attracted around 10,500 visitors which comprised of pre-primary, primary and secondary students, general public and senior citizens as shown in figure 1.
Primary and Secondary Students taking their keen interests in ‘The Rise of Digital India’ exhibition
In August 2016, the Mauritius Meteorological Services (MMS) installed an Automatic Weather Station as a working exhibit in the Science Park of our Centre.

The Automatic Weather Station (AWS) exhibit carries out its function of data collection and also serves as an exhibit to share information on weather and climate to our visitors.

The AWS is an automated version of the traditional weather station which, when deployed, is intended either to save human labour or enable measurements from remote areas.

The proposed AWS consists of a weather-proof enclosure containing data logger, two rechargeable batteries, telemetry and several meteorological sensors with an attached solar panel and mounted upon a mast of about 10 metres high (except for the rain gauge which is mounted on a separate pole).

Meteorological parameters shall be measured, as per the World Meteorological Organisation (WMO) standards.
6.2 STRATEGIC OBJECTIVE 2

ENCOURAGE STUDENTS TO UNDERTAKE SCIENCE PROJECTS THAT WILL ENHANCE THEIR CREATIVITY, REASONING ABILITY AND SKILLS.

6.2.1 PRIMARY AND SECONDARY SCHOOLS

The Rajiv Gandhi Science Centre has launched 4 project-based competitions targeted at Students of primary and secondary schools namely the:

1. Young Scientists in Action (Primary schools – Standard IV and V)
2. Science Quest (Secondary schools – Form I to Upper VI)
3. Model Glider Competition-Form IV/Lower VI Students
4. Kinetic Sculpture Design contest- Form IV and Lower VI Students

These Science Project-based competitions aim at encouraging students to engage in inquiry-based learning through hands-on and research-based activities and at developing an intrinsic motivation and passion among students for science. Students reflect on how they can make their life at home or in the community better by adopting a scientific approach.
6.2.1.1 YOUNG SCIENTISTS IN ACTION 2016

Young Scientists in Action 2016 is a project-based contest open to pupils of Standard IV and V around the island.

Primary school pupils present their projects to their peers and to the public on-stage through role plays, drama and oral presentations.

Table 9: List of Winners for Young Scientists in Action 2016

<table>
<thead>
<tr>
<th></th>
<th>Name &amp; Address of School</th>
<th>Title of Project</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Prize</td>
<td>Shri Shamboonath Government School</td>
<td>Tie-Zika-Tyres-Down with environmental pollution</td>
</tr>
<tr>
<td>Second Prize</td>
<td>Rajcoomar Gujadhur Government School</td>
<td>Mini greenhouses</td>
</tr>
<tr>
<td>Third Prize</td>
<td>Jean Paul II RCA School</td>
<td>Setting up a school garden to promote lifelong healthy eating habits</td>
</tr>
<tr>
<td></td>
<td>Jean Eon RCA School</td>
<td>Lets save our lagoon</td>
</tr>
<tr>
<td>Finalist</td>
<td>Shri Rajiv Gandhi Government School</td>
<td>Development of a bio culture -Smart Agriculture</td>
</tr>
<tr>
<td>Finalist</td>
<td>Riviere des Anguilles Government School</td>
<td>Solar powered house</td>
</tr>
<tr>
<td>Finalist</td>
<td>Lighthouse Primary School</td>
<td>Reducing odours by using natural air fresheners and spices in toilets</td>
</tr>
<tr>
<td>Finalist</td>
<td>St Pierre RCA School</td>
<td>Composting for fun</td>
</tr>
</tbody>
</table>
Participants performing at the Young Scientists in Action during the year 2016
6.2.1.2 SCIENCE QUEST COMPETITION

2016 AND 2017

Science Quest Competition is a project-based science competition that requires students of Secondary Schools from Form I to Upper VI to use Science and Technology in a systematic and innovative manner to address a problem that they face at school, at home or in the community. This ultimately gets the students in the shoes of scientists and become ambassadors of their creative and innovative science project through a National Science Exhibition at RGSC.

Table 10: Number of entries received for Science Quest 2016

<table>
<thead>
<tr>
<th></th>
<th>2016</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of entries</td>
<td>153</td>
<td>Number of teams</td>
<td>65</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>selected</td>
<td></td>
</tr>
<tr>
<td>Number of teams</td>
<td></td>
<td>present for</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>display</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>62</td>
</tr>
<tr>
<td>Category</td>
<td>School</td>
<td>Project Title For Science Quest 2016</td>
<td></td>
</tr>
<tr>
<td>----------</td>
<td>-----------------------------</td>
<td>---------------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>First</td>
<td>Eden College Girls</td>
<td>School bags and Purses as potential risk of transmission of infectious diseases</td>
<td></td>
</tr>
<tr>
<td>Second</td>
<td>College Pierre Poivre</td>
<td>Livre numerique et interactif</td>
<td></td>
</tr>
<tr>
<td>Third</td>
<td>Presidency College</td>
<td>A simple model of an Eco smart city</td>
<td></td>
</tr>
<tr>
<td>Nominee</td>
<td>Mahatma Gandhi Institute Secondary School</td>
<td>A simple aeroponics system from recycled plastic bottles</td>
<td></td>
</tr>
<tr>
<td>Nominee</td>
<td>Royal College Port- Louis</td>
<td>A sensor stair that transforms to ramp</td>
<td></td>
</tr>
</tbody>
</table>
### Table 12: List of Winners for Science Quest 2016 for Category 2

<table>
<thead>
<tr>
<th>Category 2: Form IV and Form V</th>
<th>Name of school</th>
<th>Project Title For Science Quest 2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Prize</td>
<td>Sookdeo Bissoondoyal SSS</td>
<td>An electric door lock operated with a phone call; a low cost version</td>
</tr>
<tr>
<td>Second Prize</td>
<td>Saint Mary’s College Rose Hill</td>
<td>Jarvis- A new way to say Home</td>
</tr>
<tr>
<td>Third Prize</td>
<td>Royal College Port-Louis</td>
<td>Low cost Arduino powered bionic arm</td>
</tr>
<tr>
<td>Nominee</td>
<td>Lycée des Mascareignes</td>
<td>Techniques et astuces pour combattre les fissures des bâtiments</td>
</tr>
<tr>
<td>Nominee</td>
<td>Doha Secondary School (Girls)</td>
<td>A simple low-cost projector for schools</td>
</tr>
</tbody>
</table>
Table 13: List of Winners for Science Quest 2016 for Category 3

<table>
<thead>
<tr>
<th>Category 3 : Lower 6 and Upper 6</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Name of school</strong></td>
</tr>
<tr>
<td>---------------------</td>
</tr>
<tr>
<td>First Prize</td>
</tr>
<tr>
<td>Second Prize</td>
</tr>
<tr>
<td>Third Prize</td>
</tr>
<tr>
<td>Nominee</td>
</tr>
<tr>
<td>Nominee</td>
</tr>
</tbody>
</table>
Table 14: Number of Entries for Science Quest 2017

<table>
<thead>
<tr>
<th></th>
<th>Number of entries received</th>
<th>Number of teams selected</th>
<th>Number of teams present for display</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total</strong></td>
<td>127</td>
<td>92</td>
<td>74</td>
</tr>
</tbody>
</table>

Table 15: List of Winners for Science Quest 2017 for Category 1

**First Prize Science Quest 2017, Category 1 - Sookdeo Bissoondoyal State College**

- **Name of school**: Sookdeo Bissoondoyal State College
- **Project Title For Science Quest 2017**: The water tank level indicator. A groundbreaking invention at the comfort of your living room.

**Second Prize Royal College Port-Louis**

- **Name of school**: Royal College Port-Louis
- **Project Title For Science Quest 2017**: One small step for man, one giant leap for our environment-A shoeperb idea

**Third Prize Labourdonnais College**

- **Name of school**: Labourdonnais College
- **Project Title For Science Quest 2017**: Which roofing material and colour offers the best energy efficiency in Mauritius

**Nominee Unity College**

- **Name of school**: Unity College
- **Project Title For Science Quest 2017**: Creation of a vertical garden to sustain the school’s food production

**Nominee Labourdonnais College**

- **Name of school**: Labourdonnais College
- **Project Title For Science Quest 2017**: Mushroom production and its health benefits
### Table 16: List of Winners for Science Quest 2017 for Category 2

<table>
<thead>
<tr>
<th>Category 2: Form IV and Form V</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Name of school</strong></td>
</tr>
<tr>
<td>---------------------</td>
</tr>
<tr>
<td><strong>First Prize</strong></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td><strong>Second Prize</strong></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td><strong>Third Prize</strong></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td><strong>Nominee</strong></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td><strong>Nominee</strong></td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

*First Prize Science Quest 2017, Category 2 - Lycée des Mascareignes*
Table 17: List of Winners for Science Quest 2017 for Category 3

<table>
<thead>
<tr>
<th>Category 3: Lower VI and Upper VI</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Name of school</strong></td>
</tr>
<tr>
<td>First Prize</td>
</tr>
<tr>
<td>Second Prize</td>
</tr>
<tr>
<td>Third Prize</td>
</tr>
<tr>
<td>Nominee</td>
</tr>
<tr>
<td>Nominee</td>
</tr>
</tbody>
</table>
The Prizes for both the competitions were sponsored by the Mauritius Commercial Bank Ltd.

<table>
<thead>
<tr>
<th>Cash Prizes for students sponsored by MCB Ltd</th>
<th>Cash Prizes for supervizing teachers offered by RGSC</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st Prize: Rs. 20,000</td>
<td>1st Prize: Rs. 4,000</td>
</tr>
<tr>
<td>2nd Prize: Rs. 15,000</td>
<td>2nd Prize: Rs. 3,000</td>
</tr>
<tr>
<td>3rd Prize: Rs. 10,000</td>
<td>3rd Prize: Rs. 2,000</td>
</tr>
<tr>
<td>Merit Prize: Rs. 4,000</td>
<td>Merit Prize: Rs. 1,000</td>
</tr>
<tr>
<td>Merit Prize: Rs. 4,000</td>
<td>Merit Prize: Rs. 1,000</td>
</tr>
</tbody>
</table>
6.2.1.3 MODEL GLIDER COMPETITION

The Rajiv Gandhi Science Centre in collaboration with the Aeronautical Society of Mauritius organized the First Model Glider Festival in Mauritius on Wednesday, 11 May 2016. It was an initiative which is in line with the objects of the RGSC: that is to supplement school education through non-formal programmes.

The Model Glider Competition targeted students of Form IV and Lower Six to use science process skills to explore ideas, design concepts and techniques in aviation. Students therefore had to construct a model aeroplane which they will fly using hand-launch. The objectives of this competition were to bring awareness and innovation such as developing, constructing and flying a model glider. It also promoted team work by working together on exploring different ideas and solutions.
The process – workshops on aerodynamics and model aeroplane building

A hands-on workshop was organised for participants to familiarize them with aeromodelling principles and techniques. The workshop was facilitated by Captain R. Twomey and Mr C. Belcourt from the Aeronautical Society of Mauritius (AeSM) and staff of RGSC.

For the finals, 33 teams from 27 secondary schools hand launched their models aeroplanes at the Maryse Justin Stadium, Réduit, on Wednesday 11 May 2016. All prizes were offered by the Rajiv Gandhi Science Centre.
Table 19: Number of entries for Model Glider Competition 2016

<table>
<thead>
<tr>
<th>Model Glider Competition 2016</th>
<th>Number of teams who registered</th>
<th>Number of participants who attended the workshop</th>
<th>Number of teams who produced models during preliminaries</th>
<th>Number of teams selected for the finals</th>
<th>Total number of participants who produced Model Gliders (PRELIMINARIES AND FINALS)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>140</td>
<td>280</td>
<td>105</td>
<td>33</td>
<td>420</td>
</tr>
</tbody>
</table>

Table 20: list of Winners for Model Glider Competition for the Year 2016

- **First Prize**: Sookdeo Bissoondoyal State College
- **Second Prize**: Phoenix State Secondary School
- **Third Prize**: Islamic Cultural College

Sookdeo Bissoondoyal State College, First Prize Winner for Model Glider Competition 2016

Phoenix State Secondary School, Second Prize Winner for Model Glider Competition 2016

Islamic Cultural College, Third Prize Winner for Model Glider Competition 2016
MODEL GLIDER COMPETITION 2017

Following the success of the Model Glider Competition, a second edition was held on June 2017 with the same objectives. This time, the competition was open to 2 categories—Form IV and Lower Six, where the cash prizes were sponsored by the Rajiv Gandhi Science Centre and the University Of Southampton, UK.
### Table 21: Number of entries for Model Glider Competition 2017

<table>
<thead>
<tr>
<th>Model Glider Competition 2017</th>
<th>Number of teams who registered</th>
<th>Number of participants who attended the workshop</th>
<th>Number of teams who produced models during preliminaries</th>
<th>Number of teams selected for the finals</th>
<th>Total number of participants who produced Model Gliders (PRELIMINARIES AND FINALS)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>118</td>
<td>444</td>
<td>95</td>
<td>40</td>
<td>380</td>
</tr>
</tbody>
</table>

### Table 22: Cash prizes awarded to winners for Model Glider 2017

<table>
<thead>
<tr>
<th>Cash Prizes for students of Lower Six sponsored by RGSC</th>
<th>Cash Prizes for students of Form IV sponsored by University of Southampton</th>
</tr>
</thead>
<tbody>
<tr>
<td>Winner Lower Six : Rs 8000</td>
<td>Winner Form IV : Rs 8000</td>
</tr>
<tr>
<td>Runner up Lower Six: Rs 4000</td>
<td>Runner Up Form IV: Rs 4000</td>
</tr>
</tbody>
</table>
Table 23: list of Winners for Model Glider Competition for the Year 2017

<table>
<thead>
<tr>
<th>Name of School</th>
<th>Form IV</th>
<th>Lower Six</th>
</tr>
</thead>
<tbody>
<tr>
<td>Winner</td>
<td>Hindu Girl’s College</td>
<td>Sookdeo Bissoondoyal State College</td>
</tr>
<tr>
<td>Runner Up</td>
<td>Dr Maurice Curé State College</td>
<td>Loreto College Rose Hill</td>
</tr>
</tbody>
</table>

Form IV Winner and Runner Up For Model Glider Competition 2017

- Hindu Girls College, Form IV Winner for Model Glider Competition 2017
- Dr Maurice Curé State College, Form IV Runner Up for Model Glider Competition 2017

Lower Six Winner and Runner Up For Model Glider Competition 2017

- Sookdeo Bissoondoyal State College, Lower Six Winner for Model Glider Competition 2017
- Loreto College Rose-Hill, Lower Six Runner Up for Model Glider Competition 2017
6.2.1.4 KINETIC SCULPTURE DESIGN CONTEST (KSDC) 2016

With a view to promote Science and Technology (S&T) among the student population and highlight the contribution of Indian Scientists in the various fields of S&T, the Rajiv Gandhi Science Centre in collaboration with the Indian High Commission and the Indira Gandhi Centre for Indian Culture had organised for the first time in Mauritius a Kinetic Sculpture Design Contest.

The aim of this contest was to encourage (non-science) students and teachers from the art and design stream to explore, experiment and use their imagination and creativity to demonstrate scientific concepts using artistic and engineering skills. The objectives were to encourage learning through hands-on activities and carry out research in the field of science and technology, hence enhancing their creative and engineering skills.

The competition was open to:

- **Category A**: Form I-III
- **Category B**: Form IV and Lower Six

Some of the Kinetic Sculptures of students, demonstrating scientific concepts.
KDSC Project For Winner 2016 - Category A : Form I - III

First Prize Winner: Professor Hassen Raffa SSS
Project Title: Movement through and across a transparent glass bottle

KDSC Project For Winner 2016 - Category B : Form IV and Lower Six

First Prize Winner: Professor Hassen Raffa SSS
Project Title: From scraps to kinetic crafts
<table>
<thead>
<tr>
<th>Category</th>
<th>Prize Details</th>
<th>Name Of school</th>
<th>Project Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Prize</td>
<td>A.P.J. Abdul Kalam Award: Rs 15000 + Trophy</td>
<td>Professor Hassen Raffa SSS</td>
<td>Movement through and across a transparent glass bottle</td>
</tr>
<tr>
<td>Second Prize</td>
<td>C.V. Raman Award: Rs 12000 + Trophy</td>
<td>Mahatma Gandhi Institute Secondary School</td>
<td>Fountain of peace</td>
</tr>
<tr>
<td>Third Prize</td>
<td>Janaki Ammal Award: Rs 8000 + Trophy</td>
<td>France Boyer De La Giroday SSS</td>
<td>Table Top Flying Machine</td>
</tr>
<tr>
<td>Finalist</td>
<td></td>
<td>Royal college Port-Louis</td>
<td>Spring supported pendulum</td>
</tr>
<tr>
<td>Finalist</td>
<td></td>
<td>Queen Elizabeth College</td>
<td>Kinetic Chaos Sculpture</td>
</tr>
<tr>
<td>Finalist</td>
<td></td>
<td>Royal College Port-Louis</td>
<td>Marble sorting track</td>
</tr>
</tbody>
</table>
### Table 25: List of winners for Kinetic Sculpture Design Contest - Category B

<table>
<thead>
<tr>
<th>Category B: Form IV and Lower Six</th>
<th>Name Of school</th>
<th>Project Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Prize</td>
<td>Srinivasa Ramanujan Award: Rs 15 000 + Trophy</td>
<td>Professor Hassen Raffa SSS</td>
</tr>
<tr>
<td>Second Prize</td>
<td>Subrahmanyan Chandrasekhar Award: Rs 12 000 + Trophy</td>
<td>Ebene SSS (Boys)</td>
</tr>
<tr>
<td>Third Prize</td>
<td>Kalpana Chawla Award: Rs 8000 + Trophy</td>
<td>Gaetan Raynal State college</td>
</tr>
<tr>
<td>Finalist</td>
<td>St Mary’s West College</td>
<td>E-Motion</td>
</tr>
<tr>
<td>Finalist</td>
<td>Prof Basdeo Bissoondoyal College Girls</td>
<td>Kinetic Wind Sculpture</td>
</tr>
<tr>
<td>Finalist</td>
<td>Aleemiah Boys’ College</td>
<td>Ballet dance on Pyramid</td>
</tr>
</tbody>
</table>

Three Consolation Prizes of Rs 2 000 were awarded in each category.
Rajiv Gandhi Science Centre – Annual Report 2016-2017

6.3 STRATEGIC OBJECTIVE 3

ORGANISE LECTURES, SEMINARS AND WORKSHOPS FOR VARIOUS TARGET GROUPS.

RGSC is in favour of bridging the gap between scientists and science educators and the public. Hence, we regularly organize lectures and professional development workshops which are usually delivered/ conducted by eminent scientists.

The public participating in professional development workshops at the Rajiv Gandhi Science Centre
6.3.1 WORKSHOP FOR TEACHERS OF EARLY YEARS

RGSC in collaboration with the Mauritius Institute of Education with the support of the Early Childhood Care and Education Authority (ECCEA) conducted the first edition of a science workshop on 07 April 2016 at RGSC entitled “Empowering teachers to teach Science in the Early Years”, a Science workshop targeting teachers of the pre-primary education sector.

The aim of this workshop was to provide a Continuous Professional Development Programme to pre-primary school teachers so as to empower them to teach science with more confidence.

Around 135 pre-primary school teachers from the two educational zones participated in this workshop together with 25 students from the Mauritius Institute of Education.

As part of the workshop, the participants attended a Lecture entitled “Science in the Early years: Inquiry-based science” delivered by Dr J. Naugah, the Chairperson of RGSC.
6.3.2 PROFESSIONAL DEVELOPMENT WORKSHOP BY PROFESSOR WATTS (2016)

In 2016, RGSC welcomed Professor Mike Watts, from the Department of Education of Brunel University, London, UK. He conducted three one-day workshops targeted at Educators of Pre-primary, Primary and Secondary schools as well as one workshop for community during the school holidays from 26 – 29 July 2016.
6.3.2.1 ONE-DAY WORKSHOP FOR PRIMARY SCHOOL EDUCATORS (26 JULY 2016)

The workshop started with a presentation by Prof. M. Watts on Primary School Science and International Developments.

The presentation developed the importance of ‘knowing’, ‘feeling’ and ‘doing’ in primary science, with particular emphasis on children’s own questions and directions of learning. It is essential to consider both structured and ‘incidental’ learning in the natural world, and to foster a ‘culture of active inquiry’ related to everyday phenomena. 20 participants attended the workshop and undertook practical activities in groups.
6.3.2.2 ONE-DAY WORKSHOP FOR SECONDARY SCHOOL EDUCATORS (27 JULY 2016)

Prof. Watts led a workshop on inquiry-based learning using a hands-on approach. He started the workshop with a presentation on Secondary School Science and International Developments. The presentation developed the importance of ‘knowing’, ‘feeling’ and ‘doing’ in secondary science, both for students and for teachers. Science education at this level of schooling can be a ‘mini-max’ problem, to minimize the loss of students out of the sciences while maximizing the grades they achieve in examinations. The emphasis here is on shaping a ‘culture of active inquiry’ at this stage of schooling. 40 participants attended the workshop and undertook practical activities in groups.
6.3.2.3 ONE-DAY OUTREACHED AT GRANNUM SOCIAL WELFARE CENTRE (28 JULY 2016)

The workshop focused on hands-on activities with parents, children and grand-parents on science topics such as diffusion, sound, chemical reactions and structures. Children together with their parents sat in groups of 4-6 to conduct activities assigned to them.

Under the guidance of resource persons, the groups were introduced to the scientific methodology. They were engaged in the experiments; learnt about making observations, making predictions and inferences. After the activities the participants, especially parents, engaged in reflection and discussion.
6.3.2.4 ONE-DAY WORKSHOP FOR PRE-SCHOOL TEACHERS (29 JULY 2016)

Prof. M. Watts started the workshop with a presentation on Early Years Science and International Developments. The presentation emphasized the importance of “knowing” and ‘doing’ in pre-school science. The discussion focused on the role of questions, teachers and families in shaping the development of being ‘science’, ways of working with questions: ‘Why? What? Where? When?’ Even young children can engage in scientific ways of thinking. 40 participants attended the workshop and undertook practical activities in groups.
6.3.2.5 WORKSHOP ON SOLAR ECLIPSE 2016 - PRIMARY & SECONDARY EDUCATORS

The Rajiv Gandhi Science Centre in collaboration with the Mauritius Astronomical Society organized two workshops on the Solar Eclipse for educators of Primary and Secondary schools during the school holidays in August 2016. One representative from each primary and secondary school was invited to the workshop. In all, about 300 educators attended the workshops.

The aim of this activity was to introduce to educators basic astronomy and to give more information on eclipses and SAFETY PRECAUTIONS to take while viewing eclipses. They were also given an insight on activities that could be organised at school to enable students to view the eclipse safely.

6.3.2.6 HANDS-ON WORKSHOP FOR MIE STUDENTS 2017

RGSC in collaboration with the MIE conducted two hands-on workshops in the Centre on 28 and 29 March 2017 targeting graduate students of MIE.

The aim of the Science workshops is to provide hands-on training to young graduates who aspire to become teachers so that they can teach science with more confidence.

Around 100 trainees participated in this workshop.

During the workshop all the participants were encouraged to conduct scientific experiments in the following subject areas: Discovering Air, Water and liquid, chemical test with indicators, heat and temperature.
6.3.5 KEYNOTE LECTURE & HANDS-ON WORKSHOP  
BY DR SUE TUNNICLIFFE 2017

In line with the nine-year schooling project of the Ministry of Education and Human Resources, Tertiary Education and Scientific Research, the Rajiv Gandhi Science Centre invited Lady (Dr) Sue Dale Tunnicliffe, from University College London, UK, from 19 to 22 June 2017 to conduct a series of workshops to empower pre-primary and lower primary school teachers to teach science. The aim of the workshops was to provide a hands-on and inquiry-based approach to the teaching of science to the pre-primary and lower primary levels.

On 19 June 2017, the Vice-President of the Republic Mr Paramasivum Pillay Vyapoory, G.O.S.K., officially launched the activities and Lady Tunnicliffe gave a Keynote lecture on the latest trends in the teaching of science in early years to 120 participants.

The event comprised of two one-day hands-on workshops for 40 pre-primary teachers & trainers on 20th June 2017 and for 40 lower primary school teachers on 21st June 2017.
Science demonstrations are live performances of science experiments in front of an audience. It blends entertainment and science education. The presenter explains scientific concepts and the audience witness science in action. In 2016, RGSC organised 4 Science Fairs in secondary schools targeting over 2000 students. A series of science demonstrations were conducted during the science fairs.

Figure 3: Number of participants in Science Fairs 2016
Biology Exploration camp aimed to expose students of Grade 8 and 9 to life science-related topics and provide valuable learning opportunities away from the classroom.

The workshop was run over 2 days (3 and 4 November 2016) for 36 students. It comprised of one day workshop at RGSC and one-day field trip at Petrin Visitor Centre including a short walk around the Conservation Management Area (CMA) with Dr Vincent Florens, Associate Professor of Ecology.

The following institutional support was obtained:
2. Department of Biosciences, University of Mauritius.
6.4.3 JUNIOR MOBILE SCIENCE 2017

In line with its mission, to supplement Science education among the pupils of primary schools, Rajiv Gandhi Science Centre conducted an activity called “Junior Mobile Science”. The objectives of this project were to encourage youngsters to develop an interest in science and technology and later on consider science as a career option.

Science demonstrations were held, targeting students of Grade V and Grade VI. The Science demonstrations consisted of a series of interactive and eye-catching science experiments to explain science concepts and their applications in daily life, in a fun manner. During the show, students involvement, observation and critical thinking were encouraged.

The RGSC organised the following Junior Mobile Science:

<table>
<thead>
<tr>
<th>S.N</th>
<th>Venue</th>
<th>Date</th>
<th>No. of Participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Jules Koenig Government school, Beau Bassin</td>
<td>02 March 2017</td>
<td>200</td>
</tr>
<tr>
<td>2</td>
<td>Raoul Rivet Government school, Port Louis</td>
<td>18 May 2017</td>
<td>180</td>
</tr>
</tbody>
</table>
RGSC promotes Science and Technology through a series of Outreach, community-based programmes as well as outreach activities. Hence, during the year 2016 & 2017, RGSC targeted the public through outreach activities such as Sky Observation programmes and Technology for society.
6.5.1 SKY OBSERVATION PROGRAMMES

During the Sky Observation Programme, the visitors have the opportunity, to view the moon and planets through telescopes, watch films on Astronomy, participate in Astronomy Quiz and attend Lectures and Talks on Astronomy. Sky observations were held at four different places from January 2016 to June 2017 with a total participation of 1000 persons.

![Figure 4: Number of participants in Sky Observation Programmes organised from Jan 2016 to June 2017](image)
6.5.2 SOLAR ECLIPSE 2016

The Rajiv Gandhi Science Centre had an exceptional opportunity to observe the rare astronomical phenomenon on the 1st of September 2016. The RGSC had put at the disposal of the public several telescopes equipped with special solar filters in the courtyard as well as special glasses to observe the eclipse safely. The public was invited to the centre and participate fully in its activities. There were presentations on solar eclipse, film projections and exhibition on Astronomy. This national event was broadcast live on the MBC TV through an interactive platform of scientists.

![The public at RGSC on 01st September for the Solar Eclipse 2016](image)

**Figure 5: Audience reached through Solar Eclipse Event**

<table>
<thead>
<tr>
<th>Category</th>
<th>Target Audience</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of eclipse glasses sold to Public</td>
<td>12,000</td>
</tr>
<tr>
<td>Number of eclipse glasses sold to Rodrigues</td>
<td>200</td>
</tr>
<tr>
<td>Number of people targeted through Live</td>
<td>5000</td>
</tr>
<tr>
<td>Number of Visits at the Centre on 01</td>
<td>6,700</td>
</tr>
<tr>
<td>Number of eclipse glasses sold to Secondary</td>
<td>7,800</td>
</tr>
<tr>
<td>Number of eclipse glasses sold to Primary</td>
<td>5,000</td>
</tr>
<tr>
<td>Number of people targeted through News of</td>
<td>5000</td>
</tr>
<tr>
<td>Number of people targeted through Local</td>
<td>170</td>
</tr>
<tr>
<td>Number of Secondary Educators/Schools</td>
<td>130</td>
</tr>
<tr>
<td>Number of eclipse glasses sold to Rodrigues</td>
<td>300</td>
</tr>
<tr>
<td>Number of people targeted through Live</td>
<td>5,200</td>
</tr>
<tr>
<td>Number of Visits at the Centre on 01</td>
<td>20,000</td>
</tr>
<tr>
<td>Number of people targeted through News of</td>
<td>20,000</td>
</tr>
<tr>
<td>Number of people targeted through Local</td>
<td>200,000</td>
</tr>
<tr>
<td>Number of Secondary Educators/Schools</td>
<td>250,000</td>
</tr>
</tbody>
</table>

(Total indirect target audience: 382,000 & Total direct target audience: 23,000)
6.5.3 TECHNOLOGY FOR SOCIETY

RGSC disseminates Science and Technology by organising popular science talks targeted at the general public. For the year 2016 to June 2017, RGSC organized three talks and a science show for women associations and national science week exhibitions for youth and public.
6.5.3.1 NATIONAL SCIENCE WEEK 2017

The National Science week 2017 had the main objective of increasing awareness and understanding among the public in general on the importance of the role of Science and Technology in our daily life.

The Opening Ceremony of the National Science Week 2017 was held at RGSC on Monday 08 May 2017 at 12.45 hrs in the presence of Hon. (Mrs) Leela Devi Dookun-Luchoomun, Minister of Education and Human Resources, Tertiary Education and Scientific Research.

From Tuesday 09 May 2017 to Thursday 11 May 2017, the event targeted over 4000 visitors.

Visits to exhibition galleries of RGSC was free during National Science Week 2017.
<table>
<thead>
<tr>
<th>Main Activity</th>
<th>Programme</th>
<th>Target audience</th>
<th>Contributors</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Exhibition on Science and Technology in Mauritius – To create awareness among the public on the importance of Science and Technology.</strong> <strong>Date: 9-11 May 2017</strong></td>
<td>Exhibition</td>
<td>Primary Students (Grades 5 &amp; 6), Secondary Students, TVET/MITD, General Public</td>
<td>Aeronautical Society of Mauritius, Albion Fisheries Research Centre, Early Childhood and Education Authority, Fellowship First-Aiders, Food and Agricultural Research &amp; Extension Institute, Mauritius Broadcasting Corporation, Mauritius Fire and Rescue Services, Mauritius Institute of Education, Mauritius Institute of Training and Development (MITD), Mauritius Oceanography Institute (MOI), Ministry of Agro Industry and Food Security, Ministry of Health and Quality of Life, National Parks &amp; Conservation Services, Non-Communicable Diseases - Ministry of Health and Quality of Life, Road Safety Unit, Mauritius Police Force, University of Mauritius</td>
</tr>
<tr>
<td><strong>Thematic Seminars on Science &amp; Technology Date: 8-12 May 2017</strong></td>
<td>Research Trends in STI</td>
<td>HSC Students</td>
<td>Local Researchers</td>
</tr>
<tr>
<td></td>
<td>Science Career Fair</td>
<td>Form 3 Students</td>
<td>Ministries/Parastatal Bodies</td>
</tr>
<tr>
<td></td>
<td>Informal Science Education</td>
<td>Professionals in the Education Sector, Early Childhood Teachers, Primary &amp; Secondary Educators</td>
<td>RGSC, Mauritian Wildlife Foundation, National Heritage Fund Foundation, National Productivity and Competitiveness Council</td>
</tr>
<tr>
<td></td>
<td>Science for Society</td>
<td>Women Associations</td>
<td>Ministry of Health &amp; Quality of Life, MITD, Ecole Hoteliere, Sir Gaetan Duval</td>
</tr>
<tr>
<td></td>
<td>Success stories of Local Scientists</td>
<td>Form IV/V Students</td>
<td>Parastatal Bodies, Private Sector</td>
</tr>
</tbody>
</table>
6.5.3.2 AUDIENCE REACHED THROUGH STRATEGIC OBJECTIVE 5

**Audience reached through Science Talks/Activities targeting Public/Women/Senior Citizens/youth from Jan 2016 to June 2017 (Total: 10555)**

<table>
<thead>
<tr>
<th>Event</th>
<th>Number of Participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>National Science Week Exhibitions at RGSC...</td>
<td>4000</td>
</tr>
<tr>
<td>National Science Week: Talk on Science in...</td>
<td>200</td>
</tr>
<tr>
<td>Technology for Society at Dagotiere 2017</td>
<td>50</td>
</tr>
<tr>
<td>Technology for Society at Flacq 2017</td>
<td>75</td>
</tr>
<tr>
<td>Technology for Society at RGSC 2017</td>
<td>130</td>
</tr>
<tr>
<td>Celebration of World Science Day and...</td>
<td>600</td>
</tr>
<tr>
<td>Solar Eclipse at RGSC 2016</td>
<td>5000</td>
</tr>
<tr>
<td>Transit of Mercury at Flic en Flac 2016</td>
<td>500</td>
</tr>
</tbody>
</table>
Science Popularisation Lectures are important and regular features at the Rajiv Gandhi Science Centre. The objective of this event is to bridge the gap between eminent scientists and the public and education communities.
Prof. Geraldine Richmond is the Presidential Chair in Science and Professor of Chemistry at the University of Oregon, USA.

For 2016, she was the guest speaker and spoke about “Scientific Challenges and Future Opportunities for Solving Global Environmental Problems” to an audience of 250 participants on the 1st December 2016 at 13:00 hrs.

Public Lecture by Prof. Geraldine Richmond, Presidential Chair in Science and Professor of Chemistry at the University of Oregon, USA.
6.6.2 PUBLIC LECTURE 2016: LECTURE BY DR RAMESH CAUSSY (2017)

The Rajiv Gandhi Memorial Lecture is a traditional yearly event of the centre, whereby an eminent scientist is invited to deliver a lecture on a Science Topic.

In 2017, RGSC was honoured to welcome Dr Ramesh CAUSSY, Chief Executive Officer & Founder, Partnering Robotics and Chairman Science & Technology Council GOPIO International. On 08 February 2017 at 13 00 hrs, he delivered a lecture entitled “Économie numérique et cognitive: innover ou être “Disrupté” ” to an audience of 120 science professionals, administrators, students and the public.
6.7 STRATEGIC OBJECTIVE 7

COLLABORATE WITH OTHER INSTITUTIONS FOR THE PROMOTION OF SCIENCE AND TECHNOLOGY

6.7.1 SETTING UP OF STEM NETWORK

Science and Technology (S&T) forms an integral part of the modern society. Developments in S&T are fundamentally altering the way people live, work, connect, communicate and transact, with profound effects on economic development.

Thus a better coordination and networking of all the socio-economic partners is essential in order to have a better synergy in the promotion of S&T. It is in this context, that the RGSC is coming up with the STEM Network to be led and monitored by the RGSC.

This network will group all the various stakeholders like the science community, educational institutions, science societies, universities, researchers, engineers, technologist and working scientists.

The STEM Network will be to facilitate networking at the local, regional and international level and develop a synergy in the promotion of S&T. Moreover, it will ensure a coordinated approach in the dissemination of science and technology, thus keeping an update with the local and international trend in S&T.
Table 27: Collaborative Event, Activity of RGSC and Visitors reached for the years 2016 and 2017

<table>
<thead>
<tr>
<th>Collaborative Event</th>
<th>Activity of RGSC and Visitors reached</th>
</tr>
</thead>
<tbody>
<tr>
<td>World Cancer Day 2016 by Gymkhana.</td>
<td>RGSC brought exhibition on “Climate change and health”. Number of visitors reached: 5000</td>
</tr>
<tr>
<td>World Ocean Day by Mauritius Oceanography Institute</td>
<td>World Ocean Day 2016. RGSC brought exhibition on “Climate change and health”. Number of visitors reached: 300</td>
</tr>
<tr>
<td>World Ocean Day 2017.</td>
<td>RGSC brought exhibition on “Climate change”, “The Ocean as a climate control” and video. Number of visitors reached: 400</td>
</tr>
<tr>
<td>Exhibition with GLOBAL RAINBOW FOUNDATION 2016 at RGSC</td>
<td>Number of visitors reached: 200</td>
</tr>
<tr>
<td>Society for Biology Workshop at RGSC</td>
<td>Number of Biology educators: 80</td>
</tr>
<tr>
<td>Astronomer for A Day with Bee Cubes 2016 at RGSC</td>
<td>Number of participants: 30</td>
</tr>
<tr>
<td>World Water Day 2017 at La Marie in collaboration with CWA.</td>
<td>The theme for the year 2017 was “Water and Wastewater”. The RGSC presented panel based exhibits on various aspects of water (physical and chemical properties and info and statistics related to water) and performed science demonstrations to visitors Number of visitors reached: over 6000 visitors.</td>
</tr>
</tbody>
</table>
7.0 STATISTICAL ANALYSIS
Performance Indicators are important measures to highlight the strength and weaknesses of the various strategies of the centre. The centre can then work on the low performing areas by taking appropriate remedial measures. As this annual report shows, the centre has been operating on seven strategic objectives.

A series of statistics have been compiled throughout the identified period from January 2016 to June 2017 and presented in this section in the form of tables, bar charts, pie charts, and other graphic media.

**The Big Picture**

From January 2016 to June 2017, over 50000 people have been sensitized through the various activities and the exhibition galleries.

Visitors to the centre have been around 20000 while other activities contributed to 46053 of the total audience.
7.2.1 INNOVATION

Strategic Objective 1: Develop new exhibits on emerging areas of technology

Two major projects have been successfully implemented during 2016/17:
(i) A new exhibition entitled “Chemical Weapon Convention Corner”
(ii) A temporary exhibition entitled “Rise of Digital India”.

Both have been innovative ideas which are in line with the Government vision. Jointly in the short period of time that both projects were open to the public a total of 11200 attendances was recorded. This corresponds to about 25% of the total number of people targeted. This strategic objective is ranked second in terms of attendance.

7.2.2 SUPPORTING THE SCHOOLS

Strategic Objective 2: Encourage students to undertake projects that will enhance their Creativity, Reasoning ability and Skills

This strategic objective is aimed directly at students to tap their inner potential and encourage them to think out of the box and supplementing the school curricula.

As mentioned earlier in this report, a series of activities were implemented for the pre-primary, primary as well as the secondary school students. Some are listed below:

i. Young Scientist Workshops 2016 (Secondary)
ii. Young Scientist in action 2016 (Primary)
iii. Science Quest 2016 and 2017 (Secondary)
iv. Model Glider Competition 2016 and 2017 (Secondary)
v. Kinetic Sculpture Design Contest
vi. Kiddy Science Fair 2016 (Preprimary)

Globally over 5800 students have been targeted as per Table 14. The details are given in the relevant sections of the report. According to the Pie Chart in figure 8, 13% of the total audience was captured in the organization of the above events. This strategic objective ranks second (as per figure 9) thereby strengthening the position of the centre in supplementing science education for our students.
7.2.3 WORKING IN GROUPS

Strategic Objective 3: Organise Lectures, Seminars and Workshops for various target groups

One way to create awareness to specific groups about pertinent scientific issues and latest trends in Science and Technology is through the organization of Seminars/Lectures/Talks/Workshops by local and foreign scientists to focused population segments. Table 14 indicates 2177. This is a relatively low figure as depicted in the pie chart.

7.2.4 HANDS-ON

Strategic Objective 4: Develop Interactive Educational Programmes in Science and Technology.

As goes the saying by Confucius

“I hear and I forget. I see and I remember. I do and I understand,” Science Centres in general adopt this philosophy and as such most of the activities are interactive.

7.2.5 SCIENCE FOR THE COMMUNITY

Strategic Objective 5: Create awareness in impact of Science and Technology in Society

This objective aims at holding custom-made activities for the community. One concrete example is the Sky Observation programme held in regularly (weather permitting) in villages around the island as detailed in section 4.5.

Another example is entitled “Technology for Society” designed for specific groups such as women at home. This strategic objective is ranked second in terms of attendance. This concerns mainly the public making up about 25% of the total audience.
7.2.6 DISSEMINATION OF INFORMATION

**Strategic Objective 6: Acquire and disseminate latest information in Science and Technology**

It is crucial for the science centre to keep its population abreast with the latest development in Science and Technology. To this end, a National Science Week 2017 on the Promotion of Science was organized as elaborated in section 4.5.

7.2.7 COLLABORATION

**Strategic Objective 7: Collaborate with other institutions for the promotion of Science and Technology**

In this fast evolving world, a multidisciplinary culture is crucial for the success of any project, especially in Science and Technology.

As the figure 8 clearly spells out, 12060 or 26% of the total audience of RGSC is achieved by this strategy. Figure 8 confirms that this is indeed one of the best options to create awareness among the population and disseminating the up to date information. This year the innovation has been the setting up of a STEM network.
### Table 28: Audience reached through each strategic objective

<table>
<thead>
<tr>
<th>Strategic Objective 1:</th>
<th>11200</th>
</tr>
</thead>
<tbody>
<tr>
<td>Develop and acquire new exhibits on emerging areas of technology. -Chemical Weapon Corner and Rise of Digital India</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Strategic Objective 2:</th>
<th>5875</th>
</tr>
</thead>
<tbody>
<tr>
<td>Encourage students to undertake science projects that will enhance their Creativity, Reasoning ability and Skills. - Model Glider Competition, Young Scientist in Action, Science Quest Competition, Kiddy Science Fair etc.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Strategic Objective 3:</th>
<th>2177</th>
</tr>
</thead>
<tbody>
<tr>
<td>Organize Lectures, Seminars and Workshops for various target groups. - Workshops, Seminars, etc.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Strategic Objective 4:</th>
<th>2706</th>
</tr>
</thead>
<tbody>
<tr>
<td>Develop Interactive educational programmes in Science and Technology. -Science Fairs, Biology Exploration Camp and Junior Mobile Science</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Strategic Objective 5:</th>
<th>11555</th>
</tr>
</thead>
<tbody>
<tr>
<td>Create awareness in impact of Science and Technology in Society. -Sky observation programmes, Transit of Mercury, Solar Eclipse, National Science Week, etc.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Strategic Objective 6:</th>
<th>480</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Strategic Objective 7:</th>
<th>12060</th>
</tr>
</thead>
<tbody>
<tr>
<td>Collaborate with other Institutions for the promoting of Science and Technology. - Africa Code Week, Science demonstrations, Setting up of STEM Network, etc.</td>
<td></td>
</tr>
</tbody>
</table>

**Total Audience Reached**: 46053
Figures 10 and 11 show the breakdown of the audience among the in-house and outreach activities from January 2016 to June 2017. It is observed that there was a constant increase in the attendance of in-house activities, possibly because of new innovative projects. Some milestone events both in-house and outreach which was crowd pullers include National Science Week 2017, Sky Observations, the temporary exhibition “Rise of Digital India,” and the evergreen and attractive Science Quest.
**Audience reached through in-house activities from Jan 2016 to June 2017**

*Total: 28873*

<table>
<thead>
<tr>
<th>Event</th>
<th>Number of participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>Workshop: Society for Biology (2016)</td>
<td>80</td>
</tr>
<tr>
<td>Workshop with Early Childhood teachers (2017)</td>
<td>200</td>
</tr>
<tr>
<td>Workshop on aerodynamics and model aeroplanes building (2016)</td>
<td>120</td>
</tr>
<tr>
<td>Workshop for Solar Eclipse - Secondary Educators (2016)</td>
<td>200</td>
</tr>
<tr>
<td>Talk on Success Stories of Local Scientists (2017)</td>
<td>200</td>
</tr>
<tr>
<td>Science Show: Kitchen Chemistry (2017)</td>
<td>500</td>
</tr>
<tr>
<td>Science Quest (2016)</td>
<td>80</td>
</tr>
<tr>
<td>Rise of Digital India Exhibition (2016)</td>
<td>400</td>
</tr>
<tr>
<td>Professional Development Workshop</td>
<td>120</td>
</tr>
<tr>
<td>Preliminaries of Model Glider Competition (2017)</td>
<td>200</td>
</tr>
<tr>
<td>National Science Week: Talk on Science in Society</td>
<td>1500</td>
</tr>
<tr>
<td>Lecture by Prof G. Richmond from USA: Scientific Challenges and Future (2016)</td>
<td>120</td>
</tr>
<tr>
<td>Launching of Chemical Weapon Corner Exhibition (2017)</td>
<td>420</td>
</tr>
<tr>
<td>Kiddy Science Fair (2016)</td>
<td>80</td>
</tr>
<tr>
<td>Informal Science Education Seminar 2017</td>
<td>250</td>
</tr>
<tr>
<td>Finals of Young Scientist in Action (2016)</td>
<td>100</td>
</tr>
<tr>
<td>Preliminaries of Model Glider Competition (2017)</td>
<td>500</td>
</tr>
<tr>
<td>Celebration of World Science Day (2016)</td>
<td>400</td>
</tr>
<tr>
<td>Astronomer for A Day with Bee Cubes (2016)</td>
<td>36</td>
</tr>
</tbody>
</table>

*Figure 10: Audience reached through in-house activities from Jan 2016 to June 2017*

**Audience reached through outreach activities from Jan 2016 to June 2017**

*Total: 17695*

<table>
<thead>
<tr>
<th>Event</th>
<th>Number of participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>World Ocean Day (2017)</td>
<td>6000</td>
</tr>
<tr>
<td>World Cancer Day (2016)</td>
<td>5000</td>
</tr>
<tr>
<td>Talk on Astronomy (2017)</td>
<td>400</td>
</tr>
<tr>
<td>Sky Observation Programmes (2016)</td>
<td>400</td>
</tr>
<tr>
<td>Science Fair (2016)</td>
<td>2190</td>
</tr>
<tr>
<td>Model Glider Competition (2017)</td>
<td>50</td>
</tr>
<tr>
<td>Junior Mobile Science in Primary School (2017)</td>
<td>380</td>
</tr>
<tr>
<td>Africa Code Week - Training of students (2017)</td>
<td>30</td>
</tr>
</tbody>
</table>

*Figure 11: Breakdown of audience reached through outreach activities*
7.3.1 VISITOR PATTERNS AND TRENDS

Attracting visitors to the centre has always been the core business of RGSC. The present attendance of about 12000 is a mix of free and paid visitors. Each year the RGSC comes up with innovative activities and events to boost the number of visitors to the centre. Although our focus is on students, it is observed that a very small percentage of schools visit the centre.

As per the trends in Figure 12, the students visit the centre mostly during the First and Second term. The visit from schools drops in the Third term as students focus more on their final year exam.

Some peaks occur for some special events as highlighted in Figure 12.

![Figure 12: Trend of visitors at the centre (both paid and free visits)]
Table 29: Audience reached from January 2016 to June 2017

<table>
<thead>
<tr>
<th>Description</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of people targeted through outreach activities</td>
<td>17620</td>
</tr>
<tr>
<td>Number of people targeted through in-house activities</td>
<td>28380</td>
</tr>
<tr>
<td>Number of people visiting the galleries of RGSC (Free tickets issued) –digital india</td>
<td>10679</td>
</tr>
<tr>
<td>Number of paid visitors to the galleries of RGSC (Tickets sold)</td>
<td>58309</td>
</tr>
</tbody>
</table>

The bar chart in figure 14 shows a decrease in the number of visitors compared to the previous year.
7.4 SUMMARY

All the analysis of the statistics in this report can be summarised by the total number of attendance in all the activities of the centre in the period January 2016 to June 2017.

Table 29 and Figure 13 provide a summary of all the activities organized by the centre along with the visitors to the exhibition galleries of the centre.
8.0 VISIT OF EMINENT PERSONALITIES
Table 30: List of eminent personalities who visited the RGSC in the years 2016 and 2017

<table>
<thead>
<tr>
<th>Date</th>
<th>Name</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>8/3/2016</td>
<td>Dr N. Nokas</td>
<td>Structural Analysis of Monuments and Historical Constructions</td>
</tr>
<tr>
<td>8/3/2016</td>
<td>Dr Dhananjay Keskar</td>
<td>Director, Amity Higher School of Education Mauritius</td>
</tr>
<tr>
<td>8/3/2016</td>
<td>Mr Sagar A. Mudhole</td>
<td>Vice President (Finance), Indian Oil (Mauritius) Ltd</td>
</tr>
<tr>
<td>8/3/2016</td>
<td>H.E. Mr Anup Kumar Mudgal</td>
<td>High Commissioner of India</td>
</tr>
<tr>
<td>25/4/2016</td>
<td>Mr Chandrakant Das</td>
<td>Secretary, National Council of Science Museums (NCSM), Kolkata, Ministry of Culture, Govt. of India</td>
</tr>
<tr>
<td>3/5/2016</td>
<td>Mr Martin Broadhurst</td>
<td>President, Royal Aeronautical Society, London</td>
</tr>
<tr>
<td>29/07/2016</td>
<td>Professor Mike Watts</td>
<td>Brunel University London</td>
</tr>
<tr>
<td>24/09/2016</td>
<td>H.E. Mr Abhay Thakur</td>
<td>High Commissioner of India</td>
</tr>
<tr>
<td>28/09/2016</td>
<td>Shri Dnyaneshwar M. Mulay</td>
<td>Secretary, Ministry of External Affairs Government of India, New Delhi</td>
</tr>
<tr>
<td>28/09/2016</td>
<td>Geraldine Richmond</td>
<td>Presidential Chair in Science and Professor of Chemistry, University of Oregon</td>
</tr>
<tr>
<td>25/01/2017</td>
<td>Professor Chris Atkin CEng FRAeS</td>
<td>President, Royal Aeronautical Society, London</td>
</tr>
<tr>
<td>25/01/2017</td>
<td>Capt. Richard (Dick) Twomey, AeSM</td>
<td>President, The Aeronautical Society of Mauritius</td>
</tr>
<tr>
<td>8/2/2017</td>
<td>Dr Ramesh Caussy</td>
<td>CEO &amp; Fondateur de Partnering Robotics</td>
</tr>
<tr>
<td>3/3/2017</td>
<td>Dr Venkatraman Ramakrishnan</td>
<td>MRC Laboratory of Molecular Biology, Cambridge UK, President Royal Society UK</td>
</tr>
<tr>
<td>22/06/2017</td>
<td>Dr (Lady) Sue Dale Tunnicliffe</td>
<td>University College London , London · Department of Curriculum, Pedagogy and Assessment</td>
</tr>
</tbody>
</table>
9.0 FINANCIAL STATEMENT

FINANCIAL STATEMENTS
FOR THE PERIOD ENDED JANUARY 2016 - JUNE 2017

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NOTES TO THE FINANCIAL STATEMENTS 87-101
RAJIV GANDHI SCIENCE CENTRE TRUST FUND

STATEMENT OF FINANCIAL POSITION

AS AT 30 JUNE 2017

<table>
<thead>
<tr>
<th>Notes</th>
<th>18 MONTHS PERIOD</th>
<th>YEAR</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ENDED 30.06.2017</td>
<td>ENDED 31.12.2015</td>
</tr>
<tr>
<td>Inventories</td>
<td>4</td>
<td>302,356</td>
</tr>
<tr>
<td>Receivables</td>
<td>5</td>
<td>1,735,602</td>
</tr>
<tr>
<td>Prepayments</td>
<td>6</td>
<td>46,880</td>
</tr>
<tr>
<td>Cash &amp; Cash equivalents</td>
<td>7</td>
<td>13,264,451</td>
</tr>
<tr>
<td>Car Loan - Short Term</td>
<td>8</td>
<td>428,602</td>
</tr>
</tbody>
</table>

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inventories</td>
<td>4</td>
<td>302,356</td>
</tr>
<tr>
<td>Receivables</td>
<td>5</td>
<td>1,735,602</td>
</tr>
<tr>
<td>Prepayments</td>
<td>6</td>
<td>46,880</td>
</tr>
<tr>
<td>Cash &amp; Cash equivalents</td>
<td>7</td>
<td>13,264,451</td>
</tr>
<tr>
<td>Car Loan - Short Term</td>
<td>8</td>
<td>428,602</td>
</tr>
</tbody>
</table>

Non Current Assets

Property, plant and machinery | 2 | 104,943,290 | 115,073,627 |
Intangible assets | 2 (a) | 65,249 | 57,183 |
Pension asset | 3 | 6,107,306 | 5,312,369 |
Car loan - Long term | 8 | 1,266,262 | 649,414 |

Total assets | | 112,382,107 | 121,092,593 |

Total liabilities

Current Liabilities

Payables | 9 | 208,273 | 811,000 |
Employee obligations - Short Term | 10 | 1,126,587 | 847,816 |

Net assets | | 1,334,860 | 1,658,816 |

Non Current Liabilities Employee obligations - Long Term Total | 11 | 6,789,918 | 4,008,684 |

Net assets | | 120,035,220 | 131,656,014 |

NET ASSETS/EQUITY

General Fund | 12 | 116,442,903 | 128,063,697 |
Revaluation Reserve | 13 | 3,592,317 | 3,592,317 |
Total Net Assets/Equity | | 120,035,220 | 131,656,014 |

The notes on pages 1 to 21 form an integral part of the financial statements.

Dr. Aman Kumar Maulloo
Date: 30 June 2017

Dr. Jayantee Naugah, FRSB, Cbiol (UK), PDSM
Date: 30 June 2017

The Rajiv Gandhi Science Centre Trust Fund Board has approved the Financial Statements for the 18 months period ending 30th June 2017.
### RAJIV GANDHI SCIENCE CENTRE TRUST FUND
NOTES TO THE FINANCIAL PERFORMANCE
FOR THE PERIOD 01 JANUARY 2016 TO 30 JUNE 2017

<table>
<thead>
<tr>
<th></th>
<th>18 MONTHS PERIOD ENDED 30.06.2017</th>
<th>YEAR ENDED 31.12.2015</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Revenue</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Revenue from Non-exchange transactions</td>
<td>34,064,797</td>
<td>19,429,663</td>
</tr>
<tr>
<td>Revenue from exchange transactions</td>
<td>1,353,395</td>
<td>926,124</td>
</tr>
<tr>
<td><strong>Total Revenue</strong></td>
<td><strong>35,418,192</strong></td>
<td><strong>20,355,787</strong></td>
</tr>
<tr>
<td><strong>Expenses</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Staff Cost</td>
<td>18,657,059</td>
<td>11,761,988</td>
</tr>
<tr>
<td>Depreciation</td>
<td>13,569,601</td>
<td>4,079,241</td>
</tr>
<tr>
<td>Supplies and consumables</td>
<td>8,824,033</td>
<td>4,774,408</td>
</tr>
<tr>
<td>Other expenses</td>
<td>4,988,293</td>
<td>2,059,753</td>
</tr>
<tr>
<td><strong>Total Expenses</strong></td>
<td><strong>46,038,986</strong></td>
<td><strong>22,675,390</strong></td>
</tr>
<tr>
<td><strong>Deficit for the period (2016/2017)</strong></td>
<td><strong>(10,620,794)</strong></td>
<td><strong>(2,319,603)</strong></td>
</tr>
</tbody>
</table>

The notes form an integral part of the financial statements.
## RAJIV GANDHI SCIENCE CENTRE TRUST FUND

### STATEMENT OF CASH FLOWS

**FOR THE PERIOD 01 JANUARY 2016 TO 30 JUNE 2017**

<table>
<thead>
<tr>
<th>OPERATING ACTIVITIES</th>
<th>30.06.2017</th>
<th>31.12.2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rs</td>
<td>Rs</td>
<td></td>
</tr>
<tr>
<td>Deficit for the year</td>
<td>(10,620,794)</td>
<td>(2,319,603)</td>
</tr>
<tr>
<td>Adjustments for depreciation</td>
<td>13,569,601</td>
<td>4,079,241</td>
</tr>
<tr>
<td>Grant Capital</td>
<td>(1,707,505)</td>
<td>(1,458,670)</td>
</tr>
<tr>
<td>Retirement benefit obligations</td>
<td>(794,937)</td>
<td>(535,911)</td>
</tr>
<tr>
<td>Loss on disposal</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Interest received</td>
<td>-</td>
<td>(171,142)</td>
</tr>
<tr>
<td>Operating Deficit before working capital changes</td>
<td>446,365</td>
<td>(406,085)</td>
</tr>
</tbody>
</table>

**CASH FLOW FROM OPERATING ACTIVITIES**

| Decrease/(Increase) in receivables/prepayments | (1,623,383) | 4,101 |
| Decrease/(Increase) in payables              | (602,727)   | 472,125 |
| Decrease/(Increase) in car loan receivable   | -           | 285,972 |
| Decrease/(Increase) in car loan payable      | -           | (285,972) |
| (Decrease)/increase in sick leave/passage benefit | 564,743     | 241,228 |
| Increase in Inventories                      | (218,811)   | -      |

\[ \text{NET CASH OUTFLOW FROM OPERATING ACTIVITIES} = (1,433,813) - 717,454 \]

**CASH FLOW FROM INVESTING ACTIVITIES**

| Payment to acquire PPE/Intangible Assets | (3,447,330) | (2,774,692) |
| Disposal of PPE                          | -           | -           |
| Interest received                        | -           | 171,142     |

\[ \text{NET CASH OUTFLOW FROM INVESTING ACTIVITIES} = (3,447,330) - (2,603,550) \]

**CASH FLOW FROM FINANCING ACTIVITIES**

| Grant Capital | 1,707,505 | 1,458,670 |

\[ \text{Net (decrease)/increase in cash and cash equivalent} = - (833,511) \]

| Cash and cash equivalent at start | 15,702,305 | 16,535,816 |

| CASH AND CASH EQUIVALENT AT 30 JUNE 2017 | 12,528,667 | 15,702,305 |

\[ \text{CASH AND CASH EQUIVALENT AT 30 JUNE 2017} = 12,528,667 \]
RAJIV GANDHI SCIENCE CENTRE TRUST FUND
STATEMENT OF CHANGES IN NET ASSETS/EQUITY
FOR THE PERIOD 01 JANUARY 2016 TO 30 JUNE 2017

<table>
<thead>
<tr>
<th></th>
<th>General Fund Rs</th>
<th>Revaluation Reserve Rs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Balance as at 1 January 2014</td>
<td>132,548,293</td>
<td>3,933,413</td>
</tr>
<tr>
<td>Transfer to General Fund (Disposal of PPE)</td>
<td>341,096</td>
<td>(341,096)</td>
</tr>
<tr>
<td>Deficit for the year ended 31 December 2014</td>
<td>(2,506,089)</td>
<td></td>
</tr>
<tr>
<td>Balance as at 31 December 2014</td>
<td>130,383,300</td>
<td>3,592,317</td>
</tr>
<tr>
<td>Deficit for the year ended 31 December 2015</td>
<td>(2,319,603)</td>
<td>-</td>
</tr>
<tr>
<td>Balance as at 31 December 2015</td>
<td>128,063,697</td>
<td>3,592,317</td>
</tr>
<tr>
<td>Deficit for the 18 months period ended 30 June 2017</td>
<td>(10,620,794)</td>
<td>-</td>
</tr>
<tr>
<td>Balance as at 30 June 2017</td>
<td>117,442,903</td>
<td>3,592,317</td>
</tr>
</tbody>
</table>
PRINCIPAL ACTIVITIES

The Rajiv Gandhi Science Centre Trust Fund was established in 1994 by an Act of Parliament with the aim of promoting Science and Technology, supplement school education through non-formal programmes and create awareness on developments in Science and Technology among the public.

Our activities started in May 2000 but the Centre at Bell Village was inaugurated by Smt Sonia Gandhi on 30 November 2004.

1. BASIS OF PREPARATION AND ACCOUNTING POLICIES

The financial statements have been prepared in accordance with International Public Sector Accounting Standards (IPSAS).

Financial assets and liabilities and non-financial assets and liabilities are stated at amortised cost or historical cost.

Figures in the financial statements is presented in Mauritian rupees. The level of rounding used in presenting the amounts in the financial statements is to nearest rupee.

The Financial Statements have been prepared in accordance with the International Public Sector Accounting Standard (IPSAS). There were 38 IPSAS in force during the year. Only those relevant to the Rajiv Gandhi Science Centre Trust Fund have been used.

(a) Accounting Period

The current Financial Statements have been prepared based on a 18th months period i.e from 01 January 2016 to 30 June 2017. The comparative figures of last audited accounts are based on a calendar year i.e from 01 January 2015 to 31 December 2015.

(b) Revenue recognition

Revenues are recognised to the extent that it is probable that the economic benefits will flow to the Trust Fund and the revenue can be reliably measured.

The following specific criteria must also be observed for revenue recognition:

(i) Sale of services

Revenue is recognised when the risks and rewards of performance of services have passed to the buyer and upon customer acceptance, net of discounts and allowances.

(ii) Other revenues

Other revenues earned by the Trust Fund are recognized on the following bases:

Interest income - as it accrues unless collectability is in doubt.
(c) Provisions

Provisions are recognized when the Trust Fund has a present legal or constructive obligation as a result of past events which. It is probable will result in the outflow of economic benefits that can be reasonably estimated to settle that obligation. At time of the effective payment the provisioned is deducted from the corresponding expenses. All known risks at balance sheet date are reviewed in detail and provision is made where necessary.

(d) Property, Plant and equipment

All property, plant and equipment are initially recorded at cost. Depreciation is calculated on the straight-line method to write off the cost of assets or the revalued amounts, to their residual values over their estimated useful life. Depreciation is calculated as per IPSAS 17, ie full year depreciation is charged in the year of purchase and no depreciation is charged in the year of disposal.

<table>
<thead>
<tr>
<th>Asset Type</th>
<th>Rate of depreciation Per annum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Buildings</td>
<td>2%</td>
</tr>
<tr>
<td>Office equipment/Intangible Assets</td>
<td>20%</td>
</tr>
<tr>
<td>Furniture and Fittings</td>
<td>10%</td>
</tr>
<tr>
<td>Plant &amp; Machinery</td>
<td>20%</td>
</tr>
<tr>
<td>Exhibits</td>
<td>20%</td>
</tr>
<tr>
<td>Motor Vehicles</td>
<td>20%</td>
</tr>
</tbody>
</table>

(e) Cash and cash equivalents

Cash comprises cash in hand and at bank

Cash equivalents are short term, highly liquid investments that are readily convertible to Cash equivalents are short term, highly liquid investments that are resdily convertible to known amounts of cash and which are subjects to an insignificant risk of change in value.

(f) Revenue grant

Revenue grant from government is recognized as income over the periods necessary to match them with related costs, which they are intended to compensate basis.

(g) Financial instruments

Financial assets and liabilities are recognized on the balance sheet when the Trust Fund has become a party to the contractual provisions of the instrument.

The Trust Fund’s policies in respect of the main financial instruments are as follows:

(h) Trade receivables

Trade receivables are stated at their nominal values as reduced by appropriate allowances for irrecoverable amounts.
(i) Cash resources

Cash resources are measured at fair values.

(j) Trade payables

Trade payables are stated at their nominal values.

(k) Employee benefits

Contributions to the Pension Scheme are expensed to the income statement in the period in which they fall due.

(l) Building and premises

The State land occupied by Rajiv Gandhi Science Centre Trust Fund along with the building and its content is vested with the Ministry of Education and Human Resources, Tertiary Education and Scientific Research.

Necessary action has been taken for the transfer.

(m) Risks

(i) Liquidity Risk

Liquidity risk refers to the possibility of default by the RGSC due to unavailability of funds to meet its capital and operational requirements. Prudent liquidity risk management implies maintaining adequate reserves and banking facilities, by continuously monitoring forecast and cash flows.

(ii) Credit Risk

Debit and credit risks are minimized at RGSC through continuous contract to clients and supplies.

No Pending Litigation as at 30th June 2017.

(n) Inventory Figures

No end of year inventory count was carried for period January 2016 to June 2017. Inventory figure for the period ended 30 June 2017, is being based on cost price of items purchased and remaining quantity as at 30 June 2017.
### 2. PROPERTY, PLANT & EQUIPMENT (01 January 2016 - 30 June 2017)

<table>
<thead>
<tr>
<th></th>
<th>Office Buildings</th>
<th>Office Furniture &amp; Fittings</th>
<th>Office Equipment &amp; Tools</th>
<th>Exhibits</th>
<th>Motor Vehicles</th>
<th>Plant &amp; Machinery</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>COST</strong></td>
<td>Rs</td>
<td>Rs</td>
<td>Rs</td>
<td>Rs</td>
<td>Rs</td>
<td>Rs</td>
<td>Rs</td>
</tr>
<tr>
<td>1 January 2016</td>
<td>133,040,849</td>
<td>3,544,795</td>
<td>11,910,687</td>
<td>38,416,133</td>
<td>1,497,129</td>
<td>-</td>
<td>188,409,593</td>
</tr>
<tr>
<td>Disposal</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Additions</td>
<td>-</td>
<td>196,115</td>
<td>1,377,260</td>
<td>-</td>
<td>1,588,000</td>
<td>193,840</td>
<td>3,355,215</td>
</tr>
<tr>
<td>At 30 June 2017</td>
<td>133,040,849</td>
<td>3,740,910</td>
<td>13,287,947</td>
<td>38,416,133</td>
<td>3,085,129</td>
<td>193,840</td>
<td>191,764,808</td>
</tr>
</tbody>
</table>

### DEPRECIATION

<table>
<thead>
<tr>
<th></th>
<th>Office Buildings</th>
<th>Office Furniture &amp; Fittings</th>
<th>Office Equipment &amp; Tools</th>
<th>Exhibits</th>
<th>Motor Vehicles</th>
<th>Plant &amp; Machinery</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1 January 2016</strong></td>
<td>26,041,681</td>
<td>2,620,771</td>
<td>9,171,346</td>
<td>34,223,154</td>
<td>1,279,014</td>
<td>-</td>
<td>73,335,966</td>
</tr>
<tr>
<td>Disposal</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Charge for the period</td>
<td>3,991,225</td>
<td>556,202</td>
<td>3,920,255</td>
<td>4,192,979</td>
<td>766,739</td>
<td>58,152</td>
<td>13,485,552</td>
</tr>
<tr>
<td>At 30 June 2017</td>
<td>30,032,906</td>
<td>3,176,973</td>
<td>13,091,601</td>
<td>38,416,133</td>
<td>2,045,753</td>
<td>58,152</td>
<td>86,821,518</td>
</tr>
</tbody>
</table>

### NET BOOK VALUE

<table>
<thead>
<tr>
<th></th>
<th>Office Buildings</th>
<th>Office Furniture &amp; Fittings</th>
<th>Office Equipment &amp; Tools</th>
<th>Exhibits</th>
<th>Motor Vehicles</th>
<th>Plant &amp; Machinery</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>At 30 June 2017</strong></td>
<td>103,007,943</td>
<td>563,937</td>
<td>0</td>
<td>196,346</td>
<td>0</td>
<td>103,937,680</td>
<td>135,688</td>
</tr>
<tr>
<td><strong>At 31 December 2015</strong></td>
<td>106,999,168</td>
<td>924,024</td>
<td>2,739,341</td>
<td>4,192,979</td>
<td>218,115</td>
<td>-</td>
<td>115,073,627</td>
</tr>
</tbody>
</table>

2 (a) INTANGIBLE ASSETS

<table>
<thead>
<tr>
<th></th>
<th>Rs</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>COST</strong></td>
<td></td>
</tr>
<tr>
<td>1 January 2016,</td>
<td>205,720</td>
</tr>
<tr>
<td>Additions</td>
<td>92,115</td>
</tr>
<tr>
<td>At 30 June 2017</td>
<td>297,835</td>
</tr>
<tr>
<td><strong>DEPRECIATION</strong></td>
<td></td>
</tr>
<tr>
<td>1 January 2016,</td>
<td>148,537</td>
</tr>
<tr>
<td>Charge for the period</td>
<td>84,049</td>
</tr>
<tr>
<td>At 30 June 2017</td>
<td>232,586</td>
</tr>
<tr>
<td><strong>NET BOOK VALUE</strong></td>
<td></td>
</tr>
<tr>
<td>At 30 June 2017</td>
<td>65,249</td>
</tr>
<tr>
<td>At 31 December 2015</td>
<td>57,183</td>
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</tbody>
</table>
RAJIV GANDHI SCIENCE CENTRE TRUST FUND  
NOTES TO THE FINANCIAL STATEMENTS  
FOR THE PERIOD 01 JANUARY 2016 TO 30 JUNE 2017

<table>
<thead>
<tr>
<th></th>
<th>18 MONTHS PERIOD ENDED</th>
<th>YEAR ENDED</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>30.06.2017</td>
<td>31.12.2015</td>
</tr>
<tr>
<td></td>
<td>Rs</td>
<td>Rs</td>
</tr>
<tr>
<td><strong>RAJIV GANDHI SCIENCE CENTRE TRUST FUND</strong></td>
<td><strong>NOTES TO THE FINANCIAL STATEMENTS</strong></td>
<td><strong>FOR THE PERIOD 01 JANUARY 2016 TO 30 JUNE 2017</strong></td>
</tr>
<tr>
<td><strong>3. Pension Asset (Notes 23)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Amount recognised in statement of financial position for year end</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Present value of funded obligation</td>
<td>13,555,160</td>
<td>11,353,992</td>
</tr>
<tr>
<td>(Fair value of plan assets)</td>
<td>(16,032,435)</td>
<td>(13,016,838)</td>
</tr>
<tr>
<td>Present value of unfunded obligation</td>
<td>(2,477,275)</td>
<td>(1,662,846)</td>
</tr>
<tr>
<td>Unrecognised actuarial gain/(loss)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(Assets)/Liability recognised in statement of financial position at end of year</td>
<td>(3,630,031)</td>
<td>(3,649,523)</td>
</tr>
<tr>
<td><strong>4. INVENTORIES</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Materials for maintenance of Building</td>
<td>104,021</td>
<td>35,628</td>
</tr>
<tr>
<td>Printing and stationery</td>
<td>198,335</td>
<td>47,917</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>302,356</td>
<td>83,545</td>
</tr>
<tr>
<td><strong>5. RECEIVABLES</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rent of Auditorium</td>
<td>31,000</td>
<td>56,635</td>
</tr>
<tr>
<td>Other receivables</td>
<td>1,704,602</td>
<td>-</td>
</tr>
<tr>
<td>Income from Graphics Exhibition and printing</td>
<td>-</td>
<td>5,800</td>
</tr>
<tr>
<td>Proceeds Receivable from Disposals a/c</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>1,735,602</td>
<td>62,435</td>
</tr>
<tr>
<td><strong>6. PREPAYMENTS</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Insurance Building</td>
<td>46,880</td>
<td>32,851</td>
</tr>
<tr>
<td>Insurance - Vehicles</td>
<td>-</td>
<td>33,813</td>
</tr>
<tr>
<td>Road Tax</td>
<td>-</td>
<td>30,000</td>
</tr>
<tr>
<td>Advances - Petty Cash Finance</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>46,880</td>
<td>96,664</td>
</tr>
<tr>
<td><strong>7. CASH AND CASH EQUIVALENTS</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Current Account</td>
<td>2,213,996</td>
<td>865,301</td>
</tr>
<tr>
<td>Savings Account</td>
<td>11,050,455</td>
<td>14,837,004</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>13,264,451</td>
<td>15,702,305</td>
</tr>
<tr>
<td><strong>8. CAR LOAN</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Balgoobin Dayachand</td>
<td>385,560</td>
<td>385,560</td>
</tr>
<tr>
<td>Rungoo Sookdeo</td>
<td>71,436</td>
<td>71,436</td>
</tr>
<tr>
<td>Jhugaroo Prakash</td>
<td>495,786</td>
<td>478,390</td>
</tr>
<tr>
<td>Hemraj Ramsurrun</td>
<td>742,082</td>
<td>-</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>1,694,864</td>
<td>935,386</td>
</tr>
<tr>
<td>Long Term Car Loan</td>
<td>1,266,262</td>
<td>649,414</td>
</tr>
<tr>
<td>Short Term Car Loan</td>
<td>428,602</td>
<td>285,972</td>
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</table>
### RAJIV GANDHI SCIENCE CENTRE TRUST FUND
NOTES TO THE FINANCIAL STATEMENTS
FOR THE PERIOD 01 JANUARY 2016 TO 30 JUNE 2017

<table>
<thead>
<tr>
<th></th>
<th>18 MONTHS PERIOD ENDED 30.06.2017</th>
<th>YEAR ENDED 31.12.2015</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>9. PAYABLES</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fees SICOM</td>
<td>Rs 42,300</td>
<td>Rs 23,200</td>
</tr>
<tr>
<td>Cleaning Services - Cleaning of Office Premises</td>
<td>Rs 48,728</td>
<td>Rs 39,979</td>
</tr>
<tr>
<td>News Service</td>
<td>-</td>
<td>Rs 1,045</td>
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<tr>
<td>Fees to Chairman &amp; Board members</td>
<td>-</td>
<td>Rs 22,540</td>
</tr>
<tr>
<td>Fuel and Oil - Vehicles</td>
<td>-</td>
<td>Rs 1,473</td>
</tr>
<tr>
<td>Inspection and audit fees</td>
<td>-</td>
<td>Rs 120,000</td>
</tr>
<tr>
<td>Maintenance - Building</td>
<td>Rs 4,054</td>
<td>Rs 154,100</td>
</tr>
<tr>
<td>Maintenance - IT Equipment</td>
<td>-</td>
<td>Rs 10,487</td>
</tr>
<tr>
<td>Publicity</td>
<td>-</td>
<td>Rs 1,564</td>
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<tr>
<td>Fuel and Oil - Plant &amp; Equipment</td>
<td>Rs 9,863</td>
<td>-</td>
</tr>
<tr>
<td>Printing and Stationery</td>
<td>-</td>
<td>Rs 7,175</td>
</tr>
<tr>
<td>Security Services</td>
<td>Rs 85,918</td>
<td>Rs 94,273</td>
</tr>
<tr>
<td>Stipends/Allowances for trainees</td>
<td>Rs 4,200</td>
<td>Rs 5,400</td>
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<tr>
<td>Office Sundries</td>
<td>-</td>
<td>Rs 1,380</td>
</tr>
<tr>
<td>Water charges</td>
<td>-</td>
<td>Rs 6,058</td>
</tr>
<tr>
<td>Office equipment &amp; tools</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Allowance Youth Employment Programme</td>
<td>Rs 10,933</td>
<td>-</td>
</tr>
<tr>
<td>Subscription to Professional bodies</td>
<td>-</td>
<td>Rs 31,214</td>
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<tr>
<td>Accountancy</td>
<td>-</td>
<td>Rs 46,000</td>
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<tr>
<td>Consultancy Fees</td>
<td>-</td>
<td>Rs 11,500</td>
</tr>
<tr>
<td>Buildings</td>
<td>-</td>
<td>Rs 139,751</td>
</tr>
<tr>
<td>Telephone</td>
<td>-</td>
<td>Rs 1,397</td>
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<tr>
<td>Plumbing Materials</td>
<td>-</td>
<td>Rs 3,517</td>
</tr>
<tr>
<td>Electricity</td>
<td>-</td>
<td>Rs 80,730</td>
</tr>
<tr>
<td>Wall Lamp</td>
<td>-</td>
<td>Rs 5,940</td>
</tr>
<tr>
<td>Cleaning Services (Rental of feminine Hygiene)</td>
<td>Rs 2,277</td>
<td>Rs 2,277</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td><strong>Total</strong></td>
</tr>
<tr>
<td></td>
<td>Rs 208,273</td>
<td>Rs 811,000</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>10. EMPLOYEE OBLIGATIONS - SHORT TERM</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Cash in lieu of sick leave</td>
<td>Rs 873,767</td>
<td>Rs 331,956</td>
</tr>
<tr>
<td>Passages</td>
<td>Rs 252,820</td>
<td>Rs 229,888</td>
</tr>
<tr>
<td>Vacation Leave</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Car Loan</td>
<td>-</td>
<td>Rs 285,972</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td><strong>Total</strong></td>
</tr>
<tr>
<td></td>
<td>Rs 1,126,587</td>
<td>Rs 847,816</td>
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</table>

<table>
<thead>
<tr>
<th></th>
<th>11. EMPLOYEE OBLIGATIONS - LONG TERM</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Cash in lieu of sick leave</td>
<td>Rs 2,988,317</td>
<td>Rs 2,697,320</td>
</tr>
<tr>
<td>Passages</td>
<td>Rs 1,087,414</td>
<td>Rs 661,950</td>
</tr>
<tr>
<td>Vacation Leave</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Car Loan</td>
<td>-</td>
<td>Rs 649,414</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td><strong>Total</strong></td>
</tr>
<tr>
<td></td>
<td>Rs 6,789,918</td>
<td>Rs 4,008,684</td>
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</table>
RAJIV GANDHI SCIENCE CENTRE TRUST FUND
NOTES TO THE FINANCIAL STATEMENTS
FOR THE PERIOD 01 JANUARY 2016 TO 30 JUNE 2017

12. GENERAL FUND

<table>
<thead>
<tr>
<th>Period</th>
<th>18 MONTHS</th>
<th>YEAR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ended</td>
<td>ENDED</td>
<td>ENDED</td>
</tr>
<tr>
<td>30.06.2017</td>
<td>128,063,697</td>
<td>130,383,300</td>
</tr>
<tr>
<td>31.12.2015</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Deficit for the period 2016/2017</td>
<td>(11,620,794)</td>
<td>(2,319,603)</td>
</tr>
<tr>
<td>Balance as at June 2017</td>
<td>116,442,903</td>
<td>128,063,697</td>
</tr>
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</table>

13. REVALUATION RESERVE

<table>
<thead>
<tr>
<th></th>
<th>Rs</th>
<th>Rs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exhibits</td>
<td>3,029,468</td>
<td>3,029,468</td>
</tr>
<tr>
<td>Motor Vehicles</td>
<td>67,759</td>
<td>67,759</td>
</tr>
<tr>
<td>Equipment</td>
<td>492,424</td>
<td>492,424</td>
</tr>
<tr>
<td>Furniture</td>
<td>2,666</td>
<td>2,666</td>
</tr>
<tr>
<td></td>
<td>3,592,317</td>
<td>3,592,317</td>
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14. REVENUE FROM NON-EXCHANGE TRANSACTION

<table>
<thead>
<tr>
<th></th>
<th>Rs</th>
<th>Rs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grant (Note 16)</td>
<td>32,675,248</td>
<td>19,399,763</td>
</tr>
<tr>
<td>Sponsorship - Chemical Weapon/Rise in Digital India/Science Quest 2017</td>
<td>389,549</td>
<td>-</td>
</tr>
<tr>
<td>National Science Weeks</td>
<td>1,000,000</td>
<td>-</td>
</tr>
<tr>
<td>Sponsorship - Science through Colors</td>
<td>-</td>
<td>29,900</td>
</tr>
<tr>
<td></td>
<td>34,064,797</td>
<td>19,429,663</td>
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</table>

15. REVENUE FROM EXCHANGE TRANSACTION

<table>
<thead>
<tr>
<th></th>
<th>Rs</th>
<th>Rs</th>
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</thead>
<tbody>
<tr>
<td>Entry tickets</td>
<td>277,220</td>
<td>115,296</td>
</tr>
<tr>
<td>Science Mural Contest</td>
<td>-</td>
<td>160,000</td>
</tr>
<tr>
<td>Income from Graphics and Exhibition</td>
<td>-</td>
<td>25,050</td>
</tr>
<tr>
<td>Interest Income on Savings A/C</td>
<td>-</td>
<td>171,142</td>
</tr>
<tr>
<td>Miscellaneous Income (Refund loss of value-Mauritius Union)</td>
<td>3,600</td>
<td>9,856</td>
</tr>
<tr>
<td>Rent of Auditorium</td>
<td>499,933</td>
<td>444,780</td>
</tr>
<tr>
<td>Sale of Solar Eclipse Glasses</td>
<td>398,794</td>
<td>-</td>
</tr>
<tr>
<td>Printing Services</td>
<td>45,090</td>
<td>-</td>
</tr>
<tr>
<td>Film Show</td>
<td>840</td>
<td>-</td>
</tr>
<tr>
<td>Biology Campus</td>
<td>7,950</td>
<td>-</td>
</tr>
<tr>
<td>Other Income</td>
<td>100,000</td>
<td>-</td>
</tr>
<tr>
<td>Renting of Panels</td>
<td>19,968</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>1,353,395</td>
<td>926,124</td>
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</tbody>
</table>

16. GRANT

<table>
<thead>
<tr>
<th></th>
<th>Rs</th>
<th>Rs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Government of Mauritius - Recurrent</td>
<td>28,167,382</td>
<td>17,941,093</td>
</tr>
<tr>
<td>Government of Mauritius - Capital</td>
<td>1,707,505</td>
<td>1,458,670</td>
</tr>
<tr>
<td>Government of Mauritius - Car Loan</td>
<td>1,118,500</td>
<td>-</td>
</tr>
<tr>
<td>Government of Mauritius - Youth Employment Programme</td>
<td>681,861</td>
<td>-</td>
</tr>
<tr>
<td>Government of Mauritius - National Science Weeks</td>
<td>1,000,000</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>32,675,248</td>
<td>19,399,763</td>
</tr>
</tbody>
</table>
## RAJIV GANDHI SCIENCE CENTRE TRUST FUND

### NOTES TO THE FINANCIAL STATEMENTS

FOR THE PERIOD 01 JANUARY 2016 TO 30 JUNE 2017

<table>
<thead>
<tr>
<th>18 MONTHS PERIOD ENDED</th>
<th>YEAR ENDED</th>
</tr>
</thead>
<tbody>
<tr>
<td>30.06.2017</td>
<td>31.12.2015</td>
</tr>
<tr>
<td><strong>17. STAFF COSTS</strong></td>
<td></td>
</tr>
<tr>
<td>Basic Salary</td>
<td>11,541,490</td>
</tr>
<tr>
<td>Compensation 2015/2016/2017</td>
<td>72,200</td>
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<tr>
<td>Uniform Allowance</td>
<td>128,907</td>
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<tr>
<td>Responsibility allowance</td>
<td>555,479</td>
</tr>
<tr>
<td>Overtime</td>
<td>503,117</td>
</tr>
<tr>
<td>Protective Clothing</td>
<td>-</td>
</tr>
<tr>
<td>On -Call allowance</td>
<td>105,800</td>
</tr>
<tr>
<td>Internet Allowance</td>
<td>9,000</td>
</tr>
<tr>
<td>Cellular Allowance</td>
<td>17,200</td>
</tr>
<tr>
<td>Cash in lieu of leave - Annual</td>
<td>-</td>
</tr>
<tr>
<td>Cash in lieu of leave -On Contract</td>
<td>-</td>
</tr>
<tr>
<td>Cash in lieu of sick leave (Accumulated) &amp; Bank</td>
<td>873,767</td>
</tr>
<tr>
<td>End-of-year bonus</td>
<td>641,429</td>
</tr>
<tr>
<td>Gratuities - Contract Officers</td>
<td>-</td>
</tr>
<tr>
<td>Refund Bus Fares</td>
<td>537,013</td>
</tr>
<tr>
<td>Travel Grant/Mileage Allowance</td>
<td>1,472,877</td>
</tr>
<tr>
<td>Stipends/Allowance for trainees</td>
<td>-</td>
</tr>
<tr>
<td>Passages</td>
<td>343,284</td>
</tr>
<tr>
<td>Meal Allowance</td>
<td>6,370</td>
</tr>
<tr>
<td>Refund Car Loan</td>
<td>5,979</td>
</tr>
<tr>
<td>Medical Examination for Employees</td>
<td>7,600</td>
</tr>
<tr>
<td>Allowance Committee</td>
<td>84,235</td>
</tr>
<tr>
<td>Actual Social Contributions :</td>
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</tr>
<tr>
<td>Contributions to the “Civil Service FPS Fund”</td>
<td>26,339</td>
</tr>
<tr>
<td>Contributions to the “National Savings Fund”</td>
<td>140,969</td>
</tr>
<tr>
<td>Contribution to the “SICOM 2% FPS Fund”</td>
<td>203,176</td>
</tr>
<tr>
<td>Contribution to the “SICOM 12% Pension Fund”</td>
<td>1,380,828</td>
</tr>
<tr>
<td>Defined Contribution Pension Scheme</td>
<td>-</td>
</tr>
<tr>
<td><strong>Total Staff Costs</strong></td>
<td>18,657,059</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>17 (a) OTHER DEPOSITS</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Allowance Youth Employment Programmes</td>
<td>668,892</td>
</tr>
<tr>
<td>Car Loan Advancement</td>
<td>650,000</td>
</tr>
<tr>
<td><strong>Total Other Deposits</strong></td>
<td>1,318,892</td>
</tr>
</tbody>
</table>

### 18. DEPRECIATION

<table>
<thead>
<tr>
<th></th>
<th>Rs</th>
<th>Rs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depreciation - Buildings</td>
<td>3,991,225</td>
<td>2,649,951</td>
</tr>
<tr>
<td>Depreciation - Exhibits</td>
<td>4,192,979</td>
<td>514,432</td>
</tr>
<tr>
<td>Depreciation - Motor Vehicles</td>
<td>766,739</td>
<td>150,356</td>
</tr>
<tr>
<td>Depreciation - Office equipment/Tools</td>
<td>3,920,255</td>
<td>613,703</td>
</tr>
<tr>
<td>Depreciation - Intangible Assets</td>
<td>84,049</td>
<td>18,765</td>
</tr>
<tr>
<td>Depreciation - Plant &amp; Machinery</td>
<td>58,152</td>
<td>-</td>
</tr>
<tr>
<td>Depreciation - Office furniture,fixtures &amp; fittings</td>
<td>556,202</td>
<td>132,034</td>
</tr>
<tr>
<td><strong>Total Depreciation</strong></td>
<td>13,569,601</td>
<td>4,079,241</td>
</tr>
</tbody>
</table>
## RAJIV GANDHI SCIENCE CENTRE TRUST FUND NOTES
### TO THE FINANCIAL STATEMENTS
#### FOR THE PERIOD 01 JANUARY 2016 TO 30 JUNE 2017

<table>
<thead>
<tr>
<th></th>
<th>18 MONTHS</th>
<th>YEAR</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ENDED</td>
<td>ENDED</td>
</tr>
<tr>
<td></td>
<td>30.06.2017</td>
<td>31.12.2015</td>
</tr>
</tbody>
</table>

### 19. SUPPLIES AND CONSUMABLES

<table>
<thead>
<tr>
<th>Item</th>
<th>Rs</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>COST OF UTILITIES</strong></td>
<td></td>
</tr>
<tr>
<td>Electricity</td>
<td>1,456,791</td>
</tr>
<tr>
<td>Telephone</td>
<td>379,364</td>
</tr>
<tr>
<td>Water charges</td>
<td>85,197</td>
</tr>
<tr>
<td>Internet allowance</td>
<td>-</td>
</tr>
<tr>
<td>Cellular</td>
<td>-</td>
</tr>
<tr>
<td><strong>FUEL AND OIL</strong></td>
<td></td>
</tr>
<tr>
<td>Fuel and Oil - Vehicles</td>
<td>85,525</td>
</tr>
<tr>
<td>Fuel and Oil - Plant &amp; Machinery</td>
<td>-</td>
</tr>
<tr>
<td><strong>OFFICE AND OTHER EXPENSES</strong></td>
<td></td>
</tr>
<tr>
<td>Board Expenses</td>
<td>101,957</td>
</tr>
<tr>
<td>Miscellaneous Expenses</td>
<td>30,546</td>
</tr>
<tr>
<td>News Service</td>
<td>-</td>
</tr>
<tr>
<td>Office Sundries</td>
<td>-</td>
</tr>
<tr>
<td>Postage</td>
<td>85,852</td>
</tr>
<tr>
<td>Magazines/Newspapers</td>
<td>20,235</td>
</tr>
<tr>
<td>Teaching Materials</td>
<td>-</td>
</tr>
<tr>
<td><strong>MAINTENANCE</strong></td>
<td></td>
</tr>
<tr>
<td>Repairs/Maintenance - Building</td>
<td>2,518,426</td>
</tr>
<tr>
<td>Maintenance - Electrical Fittings</td>
<td>-</td>
</tr>
<tr>
<td>Maintenance - Exhibits</td>
<td>59,856</td>
</tr>
<tr>
<td>Maintenance - furniture, Fixtures &amp; Fittings</td>
<td>53,515</td>
</tr>
<tr>
<td>Maintenance - Grounds</td>
<td>-</td>
</tr>
<tr>
<td>Maintenance - Office Equipment</td>
<td>216,450</td>
</tr>
<tr>
<td>Maintenance - Plant &amp; Machinery</td>
<td>127,502</td>
</tr>
<tr>
<td>Maintenance - Plumbing</td>
<td>-</td>
</tr>
<tr>
<td>Maintenance - Premises</td>
<td>262,028</td>
</tr>
<tr>
<td>Maintenance - Vehicles</td>
<td>69,978</td>
</tr>
<tr>
<td><strong>CLEANING SERVICES</strong></td>
<td></td>
</tr>
<tr>
<td>Cleaning Services - Cleaning of Office Premises</td>
<td>825,039</td>
</tr>
<tr>
<td><strong>SECURITY SERVICES</strong></td>
<td></td>
</tr>
<tr>
<td>Security services</td>
<td>1,437,462</td>
</tr>
<tr>
<td><strong>PUBLICATIONS AND STATIONERY</strong></td>
<td></td>
</tr>
<tr>
<td>Printing and Stationery</td>
<td>700,739</td>
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<tr>
<td>Publications</td>
<td>-</td>
</tr>
<tr>
<td>Publicity/Advertising</td>
<td>292,271</td>
</tr>
<tr>
<td>Paper and materials</td>
<td>-</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>8,824,033</td>
</tr>
<tr>
<td><strong>PUBLICATIONS AND STATIONERY</strong></td>
<td>4,774,408</td>
</tr>
</tbody>
</table>
### RAJIV GANDHI SCIENCE CENTRE TRUST FUND
### NOTES TO THE FINANCIAL STATEMENTS
### FOR THE PERIOD 01 JANUARY 2016 TO 30 JUNE 2017

#### 20. OTHER OPERATIONS EXPENSES

<table>
<thead>
<tr>
<th>Description</th>
<th>18 MONTHS PERIOD</th>
<th>YEAR</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ENDED</td>
<td>ENDED</td>
</tr>
<tr>
<td></td>
<td>30.06.2017</td>
<td>31.12.2015</td>
</tr>
<tr>
<td></td>
<td>Rs</td>
<td>Rs</td>
</tr>
<tr>
<td>FEES</td>
<td>66,200</td>
<td>10,000</td>
</tr>
<tr>
<td>Staff Training</td>
<td>641,819</td>
<td>327,418</td>
</tr>
<tr>
<td>Fees to Chairman and Members of Boards and</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Committees</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fees for Data Protection</td>
<td>-</td>
<td>7,500</td>
</tr>
<tr>
<td>Professional/Legal Fees</td>
<td>32,500</td>
<td>-</td>
</tr>
<tr>
<td>Fees to Consultants</td>
<td>150,138</td>
<td>106,781</td>
</tr>
<tr>
<td>Inspection and audit fees</td>
<td>60,000</td>
<td>60,000</td>
</tr>
<tr>
<td>Subscription fees to Professional bodies</td>
<td>49,548</td>
<td>59,047</td>
</tr>
<tr>
<td>TDS - Professional Fees</td>
<td>8,554</td>
<td>-</td>
</tr>
<tr>
<td>PAYE - Professional Fees</td>
<td>20,886</td>
<td>-</td>
</tr>
<tr>
<td>SICOM IPSAS 25</td>
<td>-</td>
<td>23,200</td>
</tr>
<tr>
<td>Accountancy</td>
<td>-</td>
<td>46,000</td>
</tr>
<tr>
<td>Stipend Volunteer</td>
<td>317,200</td>
<td>-</td>
</tr>
<tr>
<td>Transport</td>
<td>71,466</td>
<td>-</td>
</tr>
<tr>
<td>Import/Excise Duty</td>
<td>178,207</td>
<td>-</td>
</tr>
<tr>
<td>PAYE - Conference Committees</td>
<td>109,850</td>
<td>-</td>
</tr>
<tr>
<td>TDS - Rent</td>
<td>14,780</td>
<td>-</td>
</tr>
<tr>
<td>OTHER GOODS AND SERVICES</td>
<td>28,608</td>
<td>8,200</td>
</tr>
<tr>
<td>Bank charges</td>
<td>322,833</td>
<td>162,440</td>
</tr>
<tr>
<td>Insurance &amp; Indemnity (Buildings)</td>
<td>118,331</td>
<td>36,235</td>
</tr>
<tr>
<td>Insurance - Vehicles &amp; Road Tax</td>
<td>-</td>
<td>44,850</td>
</tr>
<tr>
<td>Team Building Workshop</td>
<td>110,985</td>
<td>-</td>
</tr>
<tr>
<td>Staff Welfare</td>
<td>588,926</td>
<td>30,000</td>
</tr>
<tr>
<td>Tools &amp; Equipment</td>
<td>101,316</td>
<td>-</td>
</tr>
<tr>
<td>Overseas Mission</td>
<td>145,425</td>
<td>-</td>
</tr>
<tr>
<td>RGSC ACTIVITIES (Note 21)</td>
<td>1,434,542</td>
<td>-</td>
</tr>
<tr>
<td>National Science Week</td>
<td>399,580</td>
<td>-</td>
</tr>
<tr>
<td>Exhibition on Chemical Weapon</td>
<td>9,100</td>
<td>-</td>
</tr>
<tr>
<td>Africa Code Week</td>
<td>7,500</td>
<td>1,138,082</td>
</tr>
<tr>
<td></td>
<td>4,988,293</td>
<td>2,059,753</td>
</tr>
</tbody>
</table>
## 21. OPERATING EXPENSES

<table>
<thead>
<tr>
<th></th>
<th>18 MONTHS</th>
<th>YEAR</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>30.06.2017</td>
<td>31.12.2015</td>
</tr>
<tr>
<td>g</td>
<td>Rs</td>
<td>Rs</td>
</tr>
<tr>
<td>RGSC Activities</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sky Observation</td>
<td>8,000</td>
<td>32,617</td>
</tr>
<tr>
<td>Seminar on Maps</td>
<td></td>
<td>30,380</td>
</tr>
<tr>
<td>Science Mural Contest</td>
<td></td>
<td>155,223</td>
</tr>
<tr>
<td>Science Quest</td>
<td>292,111</td>
<td>189,851</td>
</tr>
<tr>
<td>Young Scientist in Action</td>
<td>66,727</td>
<td>88,703</td>
</tr>
<tr>
<td>Collaborative Activities 3eme Age</td>
<td></td>
<td>2,800</td>
</tr>
<tr>
<td>Science Activities in Rodrigues</td>
<td></td>
<td>31,260</td>
</tr>
<tr>
<td>Science Circus - Africa 2015</td>
<td>343,357</td>
<td></td>
</tr>
<tr>
<td>Science Fair &amp; Kiddy Science Fair</td>
<td>23,125</td>
<td></td>
</tr>
<tr>
<td>Kinetic Sculpture Contest 2016</td>
<td>88,380</td>
<td></td>
</tr>
<tr>
<td>Model Glider Competition 2017</td>
<td>231,732</td>
<td>8,000</td>
</tr>
<tr>
<td>National Banner &amp; Flags</td>
<td></td>
<td>238,891</td>
</tr>
<tr>
<td>STEP Programme</td>
<td>4,000</td>
<td></td>
</tr>
<tr>
<td>Workshop Pre Primary &amp; Primary Teachers</td>
<td>182,969</td>
<td>17,000</td>
</tr>
<tr>
<td>Other Activities</td>
<td>411,498</td>
<td></td>
</tr>
<tr>
<td>Rise in Digital India</td>
<td>80,900</td>
<td></td>
</tr>
<tr>
<td>World Science Day</td>
<td>14,835</td>
<td></td>
</tr>
<tr>
<td>Biology Campus</td>
<td>4,265</td>
<td></td>
</tr>
<tr>
<td>Rajiv Gandhi Memorial</td>
<td>16,000</td>
<td></td>
</tr>
<tr>
<td>Solar Eclipse</td>
<td>10,000</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>1,434,543</strong></td>
<td><strong>1,138,082</strong></td>
</tr>
</tbody>
</table>
### RAJIV GANDHI SCIENCE CENTRE TRUST FUND
#### NOTES TO THE FINANCIAL STATEMENTS
#### FOR THE PERIOD 01 JANUARY 2016 TO 30 JUNE 2017

**STATEMENT OF COMPARISON OF BUDGET AND ACTUAL AMOUNT**

<table>
<thead>
<tr>
<th>PAYMENT</th>
<th>Budget 2016/2017 Rs</th>
<th>Amount Stated in Financial statements Rs</th>
<th>Variances Rs</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Personal Emoluments</td>
<td>13,167,600</td>
<td>18,657,059</td>
<td>(5,489,459)</td>
<td>1</td>
</tr>
<tr>
<td>2 Cost of Utilities</td>
<td>1,374,000</td>
<td>1,921,352</td>
<td>(547,352)</td>
<td>2</td>
</tr>
<tr>
<td>3 Fuel and Oil</td>
<td>87,000</td>
<td>85,525</td>
<td>1,475</td>
<td>3</td>
</tr>
<tr>
<td>4 Office Expenses</td>
<td>102,000</td>
<td>253,890</td>
<td>(151,890)</td>
<td>4</td>
</tr>
<tr>
<td>5 Maintenance &amp; Repairs</td>
<td>670,000</td>
<td>3,307,755</td>
<td>(2,637,755)</td>
<td>5</td>
</tr>
<tr>
<td>6 Cleaning Services</td>
<td>600,000</td>
<td>825,039</td>
<td>(225,039)</td>
<td>6</td>
</tr>
<tr>
<td>7 Security Services</td>
<td>1,200,000</td>
<td>1,437,462</td>
<td>(237,462)</td>
<td>7</td>
</tr>
<tr>
<td>8 Publications &amp; Stationery</td>
<td>307,000</td>
<td>993,010</td>
<td>(686,010)</td>
<td>8</td>
</tr>
<tr>
<td>9 Mission</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>9</td>
</tr>
<tr>
<td>10 Fees</td>
<td>869,000</td>
<td>1,721,146</td>
<td>(852,146)</td>
<td>10</td>
</tr>
<tr>
<td>11 Other Goods &amp; Services</td>
<td>423,400</td>
<td>1,416,424</td>
<td>(993,024)</td>
<td>11</td>
</tr>
<tr>
<td>12 RGSC Activities</td>
<td>1,200,000</td>
<td>1,434,542</td>
<td>(234,542)</td>
<td>12</td>
</tr>
<tr>
<td>13 Capital Expenditure</td>
<td>2,800,000</td>
<td>1,707,505</td>
<td>1,092,495</td>
<td>13</td>
</tr>
</tbody>
</table>

**Notes**

1. Staff Cost
   - Arrears PRB 2016 and Overtime and Allowances. No funded vacancy was filled.
2. Cost of Utilities
   - Increase in consumption of electricity, telephone and water charges.
3. Fuel and Oil
   - Decrease due to less use of RGSC Vehicles for outreach activities.
4. Office Expenses
   - High Catering and Postage Costs.
5. Maintenance and Repairs
   - Increase in repairs buildings and upgrading works at RGSC.
6. Cleaning Services
   - Payment based on attendance of cleaners.
7. Security Services
   - Payment based on attendance of security Guards.
8. Publication & Stationery
   - Vary with rate of activities.
9. Mission Expenses
   - No RGSC Officer went abroad on mission.
10. Fees
    - Fees include BEC, DBC, Jury Panel, Consultancy, Board Members for the year
11. Capital Expenditure
    - Many procurement process had to relaunch, as bidding exercise failed
NOTES TO THE FINANCIAL STATEMENTS
FOR THE PERIOD 01 JANUARY 2016 TO 30 JUNE 2017

NOTE 23 STAFF PENSION FUND

The Rajiv Gandhi Science Centre Trust Fund maintains a Staff Pension Scheme for its employees. The scheme is a defined benefit plan. Every employee is required to contribute 6% of his/her salary as pension and the Trust Fund contributes 12%. These contributions are vested in the Rajiv Gandhi Science Centre Trust Fund Staff Pension Fund which is managed by the State Insurance Company of Mauritius (SICOM) Ltd.

The actuarial variations of the scheme’s assets and the present value of the defined benefit obligations as worked out by SICOM Ltd as at 30 June 2017 are reported hereunder:

<table>
<thead>
<tr>
<th>Pension Asset</th>
<th>18 months period ending 30 June 2017</th>
<th>Year ending 31 December 2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amounts recognised in statement of financial position</td>
<td>13,555,160</td>
<td>11,353,992</td>
</tr>
<tr>
<td>at end of year;</td>
<td>(16,032,435)</td>
<td>(13,016,838)</td>
</tr>
<tr>
<td>Present value of unfunded obligation</td>
<td>(2,477,275)</td>
<td>(1,662,846)</td>
</tr>
<tr>
<td>(Fair value of plan assets)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Present value of unfunded obligation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Unrecognised actuarial gain/loss</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(Asset)/Liability recognised in statement of financial position</td>
<td>(3,630,031)</td>
<td>(3,649,523)</td>
</tr>
<tr>
<td>position at end of year</td>
<td>(6,107,306)</td>
<td>(5,312,369)</td>
</tr>
</tbody>
</table>

Amounts recognised in statement of financial performance:

- Interest cost: 1,107,014 (2016), 704,266 (2015)

Movements in liability recognised in statement of financial position:

- Total staff cost as above: 517,713 (2016), 262,756 (2015)
- (Actuarial reserves transferred in)
- Main actuarial assumptions at end of year:
  - Discount rate: 6.50% (2016), 7.50% (2015)
  - Expected rate of return on plan assets: 6.50% (2016), 7.50% (2015)
  - Future salary increases: 4.00% (2016), 5.00% (2015)
  - Future pension increases: 3.00% (2016), 3.00% (2015)

The assets of the plan are invested in funds managed by State Insurance Company of Mauritius Ltd.

The discount rate is determined by reference to market yields on bonds.
### RAJIV GANDHI SCIENCE CENTRE TRUST FUND NOTES

**TO THE FINANCIAL STATEMENTS**

**FOR THE PERIOD 01 JANUARY 2016 TO 30 JUNE 2017**

#### 18 months period

<table>
<thead>
<tr>
<th></th>
<th>31 December 2015</th>
<th>31 December 2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pension Asset ending 30 June 2017</td>
<td>Rs</td>
<td>Rs</td>
</tr>
<tr>
<td>Present value of obligation at start of period</td>
<td>11,353,992</td>
<td>9,390,213</td>
</tr>
<tr>
<td>Current service cost</td>
<td>1,265,217</td>
<td>799,943</td>
</tr>
<tr>
<td>Interest cost</td>
<td>1,107,014</td>
<td>704,266</td>
</tr>
<tr>
<td>(Benefits paid)</td>
<td>(70,217)</td>
<td>(27,720)</td>
</tr>
<tr>
<td>Liability (gain)/loss</td>
<td>(100,846)</td>
<td>487,290</td>
</tr>
<tr>
<td>Present value of obligation at end of period</td>
<td>13,555,160</td>
<td>11,353,992</td>
</tr>
</tbody>
</table>

### Actuarial reserves transferred in

<table>
<thead>
<tr>
<th></th>
<th>30-Jun-17</th>
<th>31-December-16</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Benefits paid + other outgo)</td>
<td>109,295</td>
<td>(51,680)</td>
</tr>
<tr>
<td>Asset gain/(loss)</td>
<td>188,074</td>
<td>767,213</td>
</tr>
</tbody>
</table>

### Fair value of plan assets at end of period

<table>
<thead>
<tr>
<th></th>
<th>30-Jun-17</th>
<th>31-December-16</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fair value of plan assets at end of period</td>
<td>16,032,435</td>
<td>13,016,838</td>
</tr>
</tbody>
</table>

### Distribution of plan assets at end of period

<table>
<thead>
<tr>
<th></th>
<th>30-Jun-17</th>
<th>31-December-16</th>
</tr>
</thead>
<tbody>
<tr>
<td>Government securities and cash</td>
<td>56.6%</td>
<td>58.1%</td>
</tr>
<tr>
<td>Loans</td>
<td>4.4%</td>
<td>4.3%</td>
</tr>
<tr>
<td>Local equities</td>
<td>15.8%</td>
<td>15.9%</td>
</tr>
<tr>
<td>Overseas bonds and equities</td>
<td>22.6%</td>
<td>21.0%</td>
</tr>
<tr>
<td>Property</td>
<td>6.6%</td>
<td>7.7%</td>
</tr>
<tr>
<td>Total</td>
<td>100.0%</td>
<td>100.00%</td>
</tr>
</tbody>
</table>

### Additional disclosure on assets issued or used by the reporting entity

<table>
<thead>
<tr>
<th></th>
<th>30-Jun-17</th>
<th>31-Dec-15</th>
</tr>
</thead>
<tbody>
<tr>
<td>Percentage of assets at end of year</td>
<td>%</td>
<td>%</td>
</tr>
<tr>
<td>Assets held in the entity’s own financial instrument</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Property occupied by the entity</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Other assets used by the entity</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

### History of obligations, assets and experience adjustments

<table>
<thead>
<tr>
<th></th>
<th>30-Jun-17</th>
<th>31-Dec-15</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year</td>
<td>30-Jun-17</td>
<td>31-Dec-15</td>
</tr>
<tr>
<td>Currency</td>
<td>Rs</td>
<td>Rs</td>
</tr>
<tr>
<td>Fair value of plan assets</td>
<td>16,032,435</td>
<td>13,016,838</td>
</tr>
<tr>
<td>(Present value of defined benefit obligation)</td>
<td>(13,555,160)</td>
<td>(11,353,992)</td>
</tr>
<tr>
<td>Surplus/(deficit)</td>
<td>2,477,275</td>
<td>1,662,846</td>
</tr>
<tr>
<td>Asset experience gain/(loss) during the period</td>
<td>(188,074)</td>
<td>(767,213)</td>
</tr>
<tr>
<td>Liability experience gain/(loss) during the period</td>
<td>100,846</td>
<td>(487,290)</td>
</tr>
<tr>
<td>Expected employer contributions</td>
<td>889,335</td>
<td>844,236</td>
</tr>
</tbody>
</table>
RAJIV GANDHI SCIENCE CENTRE TRUST FUND
NOTES TO THE FINANCIAL STATEMENTS
FOR THE PERIOD 01 JANUARY 2016 TO 30 JUNE 2017

ESTIMATES 2016/2017

<table>
<thead>
<tr>
<th>RECEIPTS</th>
<th>Rs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capital Grant</td>
<td>2,800,000</td>
</tr>
<tr>
<td>Current Grant</td>
<td>20,000,000</td>
</tr>
<tr>
<td></td>
<td>22,800,000</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PAYMENTS</th>
<th>Rs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Personal Emoluments</td>
<td>13,167,600</td>
</tr>
<tr>
<td>Cost of Utilities</td>
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<td>Fuel and Oil</td>
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<td>Office Expenses</td>
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<td>Maintenance &amp; Repairs</td>
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<td>Cleaning Services</td>
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<tr>
<td>Security Services</td>
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<td>Publications &amp; Stationary</td>
<td>307,000</td>
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<tr>
<td>Mission</td>
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<tr>
<td>Fees</td>
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<td>Other Goods &amp; Services- Misc Ex</td>
<td>423,400</td>
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<td>RGSC Activities</td>
<td>1,200,000</td>
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OLD MOKA RD. BELL VILLAGE, 11202, MAURITIUS

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WEBSITE: rgsc.govmu.org