

ITEM NUMBER : C 41/03/11

*RECOMMENDATION FROM THE EXECUTIVE MAYOR: 23 MARCH 2011*

**SMC 03/03/11 APPLICATION FOR GRANT-IN-AID TO THE INTERACTIVE SCIENCE FOUNDATION IN SUPPORT OF FURTHERING EARLY CHILDHOOD DEVELOPMENT AND SUBSTANCE ABUSE PROGRAMMES**

**RECOMMENDED that:**

- (a) a disbursement of R250 000 (excl. VAT), in the form of a Grant-in-Aid be made to The Interactive Science Foundation for the furtherance of Early Childhood Development and Substance abuse programs
- (b) the funds in (a) above be disbursed and managed in terms of Section 67(a) of the Municipal Finance Management Act and the City's Grant-In-Aid Policy
- (c) the amount of R250 000 be viremented from cost centre 18050001 (Social Development Facilitation), GL 413650 (Recreation, Sport, Tourism and Social Development Program) to GL 457100 (MFMA Section 67 Transfer Payments)
- (d) the Acting Director: Social Development ensures that funds allocated to The Interactive Science Foundation are utilized as set out in the report on the agenda.



1. ITEM NUMBER : SMC 03/ 03/11

2. SUBJECT  
LSUB0579

APPLICATION FOR GRANT IN AID TO THE INTERACTIVE SCIENCE FOUNDATION  
IN SUPPORT OF FURTHERING ECD DEVELOPMENT AND SUBSTANCE ABUSE  
PROGRAMS

ONDERWERP

AANSOEK OM HULPTOELAE AAN DIE INTERACTIVE SCIENCE FOUNDATION  
TER ONDERSTEUNING VAN DIE BEVORDERING VAN  
VROEËKINDONTWIKKELINGS- EN MIDDELMISBRUIKPROGRAMME

ISIHLOKO

ISICELO SESIBONELELO-SONCEDO SEQUMRHU LEZOBUNZULULWAZI/I-  
INTERACTIVE SCIENCE FOUNDATION UKUZE LIXHASE UKUQHUBEKEKA  
KOPHUHLISO LWE-ECD NEENKQUBO EZILWA UKUSETYENZISWA KAKUBI  
KWEZIYOBISI

3. PURPOSE

The purpose of this report is to request Council to approve payment of an amount of R250 000 excl VAT, to The Interactive Science Foundation from the Social Development 2010/2011 Operating budget as a Grant in Aid for the furtherance of ECD Development and Substance abuse programs.

4. FOR DECISION BY

Council

5. EXECUTIVE SUMMARY

Over the last few years, the Science Centre has been engaged with the City of Cape Town to find alternative funding mechanisms to prevent the Science Centre's closure. In January 2011 the City of Cape Town identified a possible partnership with Science Centre in the areas of Early Childcare Development and Substance Abuse. This partnership aligns with the strategic objectives of the City of Cape Town to help build sustainable communities.

## 6. RECOMMENDATIONS

### Not Delegated: for Decision by Council:

It is recommended that:

- a) A disbursement of R250 000 excl VAT, in the form of a grant-in-aid be made to The Interactive Science Foundation for the furtherance of ECD Development and Substance abuse programs.
- b) The funds are disbursed and managed in terms of section 67a of the Municipal Finance Management Act and the City's Grant-In-Aid Policy.
- c) The amount of R250 000 to be viremented from cost centre 18050001 (Social Development Facilitation), GL 413650 (Recreation, Sport, Tourism & Social Dev Program) to GL 457100 - MFMA Section 67 Transfer Payments.
- d) The Acting Director: Social Development to ensure that the funds allocated to The Interactive Science Foundation are utilized as set out in this report.

## AANBEVELINGS

### Nie gedelegeer nie: vir besluit deur die Raad:

Daar word aanbeveel dat:

- a) 'n Betaling van R250 000, BTW uitgesluit, in die vorm van 'n hulptoelae gedoen word aan die Interactive Science Foundation vir die bevordering van vroeëkindontwikkelings- en middelmisbruikprogramme.
- b) Die fondse uitbetaal en bestuur word ingevolge artikel 67a van die Wet op Munisipale Finansiële Bestuur en die Stad se hulptoelaebeleid.
- c) Die bedrag van R250 000 gevirementeer word vanuit kostesentrum 18050001 (maatskaplikeontwikkelingsfasilitering), GL 413650 (ontspanning, sport, toerisme en maatskaplikeontwikkelingsprogram) na GL 457100 – MFMA, artikel 67-oordragbetalings.
- d) Die waarnemende direkteur: maatskaplike ontwikkeling verseker dat die fondse wat aan die Interactive Science Foundation toegeken word, aangewend word soos in die verslag uiteengesit.

## IZINDULULO

### Azigunyaziswanga: isiGqibo seseBhunga:

Kundululwe ukuba:

- a) Makunikezelwe intlawulo esisibonelelo-soncedo yama-R250,000 ngaphandle kweRhafu-ntengo, kwabakwa-Interactive Science Foundation ukuze kuqhutyekwe noPhuhliso lwe-ECD nangeenkqubo ezichasene nokuSetyenziswa kakubi kweziYobisi.

- b) Izimali mazisetyenziswe kwaye zilawulwe ngokwecandelo-67a loMthetho woLawulo lweziMali zikaMasipala nangokoMgaqo-nkqubo wesiXeko ongeZibonelelo-zoncedo.
- c) Kufuneka koxulwe isixa-mali esingama-R250 000 ukususela kwiziko leendleko elingu-18050001 (uQuquzelelo loPhuhliso lweNtlalo), GL 413650 (ezeLonwabo, iMidlalo, uKhenketho neNkqubo engoPhuhliso lweNtlalo) ukuze sibekwi-GL 457100 – iiNtlawulo ezingoTshintshelo ngokweCandelo-67 lwe-MFMA.
- d) Umlawuli oBambeleyo kwezoPhuhliso lweNtlalo kufuneka aqinisekise ukuba izimali ezi ezabelwe abakwa-Interactive Science Foundation, zithi zisetyenziswe njengoko kuqulunqiwe kule ngxelo.

## 7. DISCUSSION/CONTENTS

Each year 290 000 000 citizens actively participate in the exhibitions, programs, events and outreach initiatives organized by 2,400 science centres worldwide. Science centres stimulate curiosity and develop enquiring minds. They change people's lives, influencing their attitudes and thinking. Research shows that science centres demystify science, conveying its beauty, showing its necessity and making it accessible to the general public. They foster positive attitudes towards science, help people to appreciate the context of scientific advances and to understand how science affects their lives.

Science centres have relevance to all sectors of the population and have become important meeting places for science and society. They operate across geographical, economic, political, religious and cultural boundaries. They impact the well-being, education, achievement and skills of current and future generations. They are safe places for difficult conversations.

Around the world today, science centres:

- are highly-visible and trusted hubs of activity, dialogue and discourse about science and technology,
- support the skills needed for effective problem-solving, creativity, innovation, critical thinking and decision-making, therefore enhancing lifelong learning of science and technology,
- are important resources for the formal education system influencing the motivation of students, the learning process and their career choices,
- empower teachers, introducing them to more effective ways of teaching science, mathematics and technology,
- present global knowledge of science and technology within the local reality,
- are trusted places of inclusion and equity where the public can actively engage with critical issues which affect society,
- form strategic partnerships to help address local, national and global challenges.

All citizens should have access to a science centre or its services in their own region. The collective expertise and experience of the sector will assist in helping to expand the activities of the sector to places and communities where science centres are needed and wanted but not yet established.



## 7.1 EARLY CHILDHOOD DEVELOPMENT

It is a well-researched fact that good science education at a very early age is supremely important. It is important to introduce children at an early age to the most fundamental ideas of science, how science relates to our everyday lives and to show them that everyone can do science.

*"Children are natural scientists; not only are they inquisitive and energetic, but they have an instinct for controlled experimentation. The goal of science education at the earliest level should be to encourage and refine children's innate love of exploring the world around them and to help that enthusiastic behaviour grow into true scientific literacy"* (Scientific American, March 2010)

It is exactly on this premise that the Science Centre approaches science education for its visitors at an early age. The programmes and exhibits offered by the Science Centre including its methodologies are central to the ethos of a science centre to encourage learning in a fun, experiential and interactive manner.

The following are some examples of these programmes, exhibits and exhibitions:

1. **General exhibits:** While the majority of the exhibits are cross-generational, there are key exhibits within the Science Centre which have been specifically developed to support ECD. Three examples include:
  - a. The Murray & Roberts Building site – young civil and construction engineers at work! Young visitors role-play building a house with foam bricks, foam mortar, a steel framework, conveyor belts, site offices, cranes, scaffolding etc. Besides learning about the basic principles such as laying bricks in a manner to ensure the maximum strength for your wall, other valuable lessons in teamwork and creativity are learnt.
  - b. Water Display – a large exhibit with real water and many add-on's, where children get wet, have fun but mostly learn about why we need header tanks, how water wheels generate power, what happens to your boat in different currents, how you can manipulate flow with sluices, what is a water vortex and how this develops... among many other exciting lessons. An introduction to the dynamics of water and the uses of water. Yes, water is more than just a drink!
  - c. A specially imported ASCO Kids Development Programme stimulates gross motor development – kids build courses with wheels, rods and planks and enjoy completing the course they have created with these basic giant shapes.
  
2. **Exhibitions:** Many themed exhibitions have been developed at the Science Centre around a variety of subjects and include *The Science of Cricket*, *Pedal Power for Africa*, *Great SA Inventions* etc. All exhibitions, which are developed on a regular basis, inform and intrigue all generations. However, an exhibition that spoke specifically to ECD was the very popular *Play 2 Learn* exhibition, which highlighted the importance of play in the development of children. This exhibition



educated not only the children but also importantly parents and other caregivers. This popular exhibition has largely been incorporated into the body of exhibits at the Science Centre as a permanent feature.

### 3. Programmes, workshops and people centred activities:

- a. The Science Centre supports formal outings for groups of Pre-primary and Foundation Phase learners. Activities are arranged in conjunction with the educators to ensure that these outings maximise the valuable resources that the Science Centre has to offer which are not available at these schools. Children from less privileged communities also have the opportunities to experience the Science Centre through the Sponsored School Group Programme.
- b. Weekend and Holiday Programmes are implemented and include unique offerings such as fish dissections, pot-a-plant, build a volcano, rocket poppers, a variety of craft workshops etc. The Science Centre because of its flexibility offers a platform for many organisations to implement their ECD endeavours, which the Science Centre welcomes and encourages. This is evident by its many partners.

*A young visitors experience at the Science Centre certainly helps lay a foundation for science literacy but also offers many other benefits such as team-work, nurturing creativity, gross and fine motor skills development and stimulating curiosity. A visit to the science centre for very young children is a holistic learning experience.*

## 7.2 Substance Abuse

A Science Centre is not defined merely by its displays but rather how it interacts with its community by responding to the challenges its community faces and collaborating with other organisations to address these challenges.

While often a 'challenge facing our community is general education, the issue of substance abuse, particularly the drug commonly referred to as TIK, is an enormous challenge to our community.

The Science Centre developed an interactive exhibition on Tik in collaboration with other organisations such as the Medical Research Council, rehabilitation centres, psychologists and others to provide information on this drug and its use. The information offered is guided by facts and science and not by superstition and prejudices. In addition to the exhibition, workshops are offered by medical experts on the chemical changes that take place in the brains of Tik users. Research has shown that this direct and factual approach to informing young people on the harmful effects of the use and abuse of Tik, is most effective. Speakers and other organisations that educate on this type of substance abuse also use the Science Centre as a platform.



Other challenges in our community such as TB and HIV Aids are also addressed in this manner at the Science Centre.

**7.3 Constitutional and Policy Implications**

Grant-in-Aid Policy and Procurement Policy  
 The Constitution of the Republic of South Africa, 1996, Schedule 4, Part B  
 Implementation Protocol concluded by and between the Provincial Government of the Western Cape via its Department of Social Development and the City of Cape Town

**7.4 Environmental implications**

Does your report have any environmental implications: No  Yes

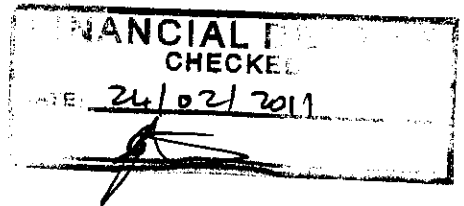
**7.5 Financial Implications**

**Operating Budget Provisions:**

|                              |   |
|------------------------------|---|
| Cost Centre                  | 18050001  |
| Cost Centre Description      | Social Development Facilitation Management  |
| G/L Account                  | 457100  |
| G/L Account Description      | MFMA Section 67 Transfer Payments   |
| Budget Provision 2010/2011   | Nil   |
| Spent to date/Committed      | Nil   |
| Balance Available            | Nil   |
| Funds Required (this report) | R250 000 (Funds to be viremented from cost centre 18050001, GL 413650 to GL 457100) |

**7.6 Legal Implications**

Municipal Finance Management Act 56 of 2003



**7.7 Staff Implications**

Does your report impact on staff resources, budget, grading, remuneration, allowances, designation, job description, location or your organisational structure?

No   
 Yes


**7.8 Risk Implications**

None



FOR FURTHER DETAILS CONTACT :

|                 |  |
|-----------------|--|
| NAME            | Mansoor Mohamed                        |
| CONTACT NUMBERS | 021 400-2589                           |
| E-MAIL ADDRESS  | Mansoor.Mohamed@capetown.gov.za        |
| DIRECTORATE     | Economic, Social Development & Tourism |
| FILE REF NO     |  |
| SIGNATURE :     |  |
| MANSOOR MOHAMED |  |

  
**MANAGER: FINANCE**  
**ECONOMIC SOCIAL DEVELOPMENT & TOURISM**  
 Cheryl Jaftha

Comment:

DATE 01/03/2011  
**MANAGER: SPENDING**  
**BUDGET ADOPERATING**  
**400 1878**  
**CHIEF FINANCIAL OFFICER OF HIS NOMINEE**

Comment:

DATE

  
**LEGAL COMPLIANCE**

- REPORT COMPLIANT WITH THE PROVISIONS OF COUNCIL'S DELEGATIONS, POLICIES, BY-LAWS AND ALL LEGISLATION RELATING TO THE MATTER UNDER CONSIDERATION.
- NON-COMPLIANT

NAME RIANNA SAYED  
 TEL 021 400 4508  
 DATE 01/03/2011

Comment:  
**Certified as legally compliant:**  
**Based on the contents of the report.**

  
**EXECUTIVE DIRECTOR**  
 Mansoor Mohamed

Comment:

DATE 24/2/11



TEMPLATE APPROVAL PROCESS (TAP) - FINANCIAL YEAR 2010/2011

GRANTS-IN-AID TEMPLATE - COST ELEMENT 457100

| ITEM NO.  | BUDGET NUMBER | PROWELFARE (PO) / REGISTRATION NUMBER | ORGANISATION NAME                 | AREA AND FACILITY | OCCASION REPRESENTATIVE AND CONTACT DETAILS | PROJECT FOCUS AND DESCRIPTION | MOTIVATIONS AND CONSTITUTIONAL FINALITIES (STANDARD DETAIL)  | AMOUNT REQUESTED BY ORGANISATION R | AMOUNT RECOMMENDED R | BUSINESS PLAN CHECKED BY ISL | LEGAL COMPLIANCE YES/NO | VAT COMPLIANT | IGAC COMMITTEE MEETING DATE - SUPPORTED (S) / NOT SUPPORTED (NS) |
|---|---------------|---------------------------------------|-----------------------------------|-------------------|---|-------------------------------|--|------------------------------------|----------------------|------------------------------|-------------------------|---------------|--|
| SUB COUNCIL NUMBER AND NAME   |               |                                       |                                   |                   |   |                               |  |                                    |                      |                              |                         |               |  |
| SC / PROJECT MANAGER  |               |                                       |                                   |                   |   |                               |  |                                    |                      |                              |                         |               |  |
| LUNGBELO MORWAZA  |               |                                       |                                   |                   |   |                               |  |                                    |                      |                              |                         |               |  |
| COST CENTRE   |               |                                       |                                   |                   |   |                               |  |                                    |                      |                              |                         |               |  |
| 1000001   |               |                                       |                                   |                   |   |                               |  |                                    |                      |                              |                         |               |  |
| PROPOSED ALLOCATION   |               |                                       |                                   |                   |   |                               |  |                                    |                      |                              |                         |               |  |
| (An amount of R250 000 to be viremented from cc 18050001, GL 413950 to GL 457100) |               |                                       |                                   |                   |   |                               |  |                                    |                      |                              |                         |               |  |
| BALANCE   |               |                                       |                                   |                   |   |                               |  |                                    |                      |                              |                         |               |  |
| -250,000  |               |                                       |                                   |                   |   |                               |  |                                    |                      |                              |                         |               |  |
| A. PROPOSED ALLOCATIONS   |               |                                       |                                   |                   |   |                               |  |                                    |                      |                              |                         |               |  |
| 1   |               |                                       | The Interactive School Foundation | Western Cape      |   | 97 Substance abuse            | Developing initiatives and programmes in partnership with the City in order to raise awareness around Substance Abuse and to promote active support for the City's Substance Abuse Programme | 250,000                            | 250,000              | Y                            | Yes                     |               | S  |
| B. GRANTS NOT PROPOSED  |               |                                       |                                   |                   |   |                               |  |                                    |                      |                              |                         |               |  |
| IGAC CHAIRPERSON SIGNATURE:   |               |                                       |                                   |                   |   |                               |  |                                    |                      |                              |                         |               |  |
| DATE: 25/01/2011  |               |                                       |                                   |                   |   |                               |  |                                    |                      |                              |                         |               |  |