## DPE Stationery:DPE logo.jpg INFORMATION MEMORANDUM

**TO : Mogokare Richard Seleke**

**DIRECTOR-GENERAL**

 **FROM : Justin De Allende**

**RE :** **PARLIAMENTARY QUESTION NO 2088**

# DATE : 4 August 2017

 **================================================================**

To provide the Minister with a response to Parliamentary Question Number 2088

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| --- |
| **COVER MEMO AND THE PACKAGING OF PQ BY:****Department of Public Enterprises**  |
| **……………………………….****Acting Deputy Director-General** **Date:** | **COMMENTS:****………………………………………..** |
| **…………………………………****Mogokare Richard Seleke****Director-General****Date:** | **APPROVED/DECLINED/COMMENTS****…………………………………………..****…………………………………………..****………………………………………….** |



**DEPARTMENT: PUBLIC ENTERPRISES**

**REPUBLIC OF SOUTH AFRICA**

**NATIONAL ASSEMBLY**

**QUESTION FOR WRITTEN REPLY**

**QUESTION NO.: PQ 2088**

**DATE OF PUBLICATION: 4 AUGUST 2017**

Ms N R Mashabela (EFF) to ask the Minister of Public Enterprises: Whether (a) her department and/or (b) any entities reporting to her are funding, including by way of discretionary funding, any institution of research and development (i) domestically and/or (ii) internationally; if so, (aa)(aaa) what are the names of the specified institutions and (bbb) what are their functions, (bb) from what date has her department or any entity reporting to her been funding them and (cc) what amount has her department contributed towards such funding?  NW2310E

**REPLY:**

**DPE RESPONSE**

1. (i) Yes

(ii) No, DPE is not funding, including by way of discretionary funding, international Research and Development institutions.

1. Not applicable

(aa) (aaa) (bbb) (bb)

See summary below, of the institutions which DPE has collaborative agreement with:

|  |  |  |
| --- | --- | --- |
|  | (i) | **LOCAL OR DOMESTIC INSTITUTIONS** |
|  |  | Institutions | Date of Reporting | Relation with DPE Functions of Entities | Estimated amount |
|  |  | (aa)(aaa) | (bb) | (bbb) | (cc) |
|  |  | University of Johannesburg | March 2017 | To provide with the knowledge and skills needed in the workplace. | R 2 528 976.00 |
|  |  | WITS University | March 2017 | To provide with the knowledge and skills needed in the workplace. | R 1 429 275.00 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **ALEXKOR SOC LIMITED**

|  |  |
| --- | --- |
| (a) | Not Applicable |
| (b) | (i) | No |
|  | (ii) | No  |
|  |  | (aa) | (aaa) | Not applicable |
|  |  |  | (bbb) | Not applicable |
|  |  | (bb) | Not applicable(cc) Not applicable |

**DENEL SOC LIMITED**

|  |  |
| --- | --- |
| (a) | Not Applicable |
| (b) | (i) | No |
|  | (ii) | No  |
|  |  | (aa) | (aaa) | Not applicable |
|  |  |  | (bbb) | Not applicable |
|  |  | (bb) | Not applicable |
|  |  | (cc) | Not applicable |

 |  |  |  |

**ESKOM SOC LTD**

**(b)**

Yes, Eskom has a multitude of memberships, joint development and bilateral agreements with both Domestic and International Research Testing & Development bodies and Institutions of Higher Learning.  These agreements are for definitive scopes of work and are relevant to Eskom’s operational and strategic imperatives. Intellectual Property and Royalty agreements are in place where joint development work is undertaken.

**(b)(i)**

Yes, Eskom is funding, including by way of discretionary funding, domestic Research, Testing and Development institutions

**(b)(ii)**

No, Eskom is not funding, including by way of discretionary funding, international Research, Testing and Development institutions

**(b)(i)(aa)(aaa)(bbb)(bb)(cc)**

See summary below, of the institutions which Eskom funded including their function, date from which funding commenced and amounts funded for financial year 2016/17.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Name of the institution (aa)(aaa) | Function done by the institutions (bbb) | Date from which Eskom funded the institution (bb) | Amount that Eskom has contributed in financial year 2016/17 (cc) |
| Council for Scientific and Industrial Research | South Africa's central and premier scientific research and development organisation | 2012.12.04 | R 5 168 153.00 |
| Universities | Study and research centers | 2015.11.30 | R22 905 507.00 |

The detail on research done per institution is included in Annexure A & B.

**Annexure A**

|  |  |  |
| --- | --- | --- |
|  | Name of the institution (aa)(aaa) | Research done by the institutions (aa)(bbb) |
| 1 | Council for Scientific and Industrial Research | Turbine Blade Refurbishment II |
| 2 | Load Forecasting |
| 3 | Laser Shock Peening |
| 4 | Vibe |
| 5 | Camera I+I+III |
| 6 | NDT of Laser-enabled refurbishment |
| 7 | CAE Capability |
| 8 | Camden Ash Utilisation |
| 9 | Rotor Refurbishment |
| 10 | Solar PV Economics |
| 11 | Home Energy Management & Optimisation |
| 11 | Test beds for reliable smart city Machine-to-Machine Communication (TRESCIMO) |
| 12 | Thermal Desalination |
| 13 | Turbine Blade Refurbishment |
| 14 | Regional Air Quality Modelling |
| 15 | Wave Energy Site Selection Study |
| 16 | University of the Witwatersrand | Bhugwandin-Strat Impl & Exe |
| 17 | Bisnath-HV Overhead |
| 18 | University of Western Cape | Gericke-Capacitive Deionization |
| 19 | Reynolds-Mine Backfill GeoHydro |
| 20 | Reynolds-Lab Test Geochem Kinetic Leaching |
| 21 | Reynolds-Lab Test Hydraulics |
| 22 | Reynolds-Simulation of mod test result |
| 23 | Reynolds-Numerical Geochem reaction model |
| 24 | Reynolds-Integrated num flow and trans model |
| 25 | Reynolds-Reporting |
| 26 | Stellenbosch University | Gericke-counter flow cooling tower |
| 27 | Westhuyzen-PV Penetration W Cape |
| 28 | Bischoff-Lightning & Power Frequency |
| 29 | Westhuyzen-SAURAN |
| 30 | University of the Witwatersrand | Gericke-Groundwater Reports |
| 31 | University of Cape Town | Gericke-Multi Effect Distribution  |
| 32 | Newby-Boiler Heat Exchanger |
| 33 | Gericke-Saline Streams |
| 34 | North-West University | Mbedzi-Baseline Assessment Sharpville |
| 35 | Gericke-characteristics of water |
| 36 | Fipaza-nuclear High T Reactor |
| 37 | Monametsi-Black C & Hg |
| 38 | Mbedzi-Source Apport Vaal |
| 39 | University of Johannesburg | Moodley-Water Samples |
| 40 | Nelson Mandela University | Newby-Course on ASMEVIII |
| 41 | Scheepers-Charact of WB36 |
| 42 | Serameng-LCOE on the Solar PV Plants |
| 43 | University of Pretoria | Reynolds-ash - soil amelioration |
| 44 | Reynolds-Kruger Ment; Surridge Micro |
| 45 | Reynolds-Ash Rubber Extention |
| 46 | University of the Free State   | Reynolds-bioremediation |

**Annexure B**

|  |  |  |
| --- | --- | --- |
| Name of the institution (aa)(aaa) | Research done by the institutions (aa)(bbb) | Amount that Eskom has committed in financial year 2016/17 (cc) |
| Council for Scientific and Industrial Research | Camera I+I+III | To be paid |
| Rotor Refurbishment | To be paid |
| Solar PV Economics | To be paid |
| Test beds for reliable smart city Machine-to-Machine Communication (TRESCIMO) | To be paid |
| Regional Air Quality Modelling |  To be paid |

Eskom is exploring a R2.8 million collaborative development agreement with the CSIR for the establishment of a national Non-Destructive Testing (NDT) facility.  The need for a facility of this nature stems from the need to develop local NDT skills and capacity, NDT procedure qualifications and having qualified independent oversight on contractors undertaking NDT work at Eskom sites.   The application for this funding is currently pending internal approval and is being channeled through the Eskom governance process.

Furthermore, we attach Annexure B which detail includes work carried out although Eskom has not yet made payment.

The following Eskom policies support the manner in which collaborative R&D agreements are managed:

* Eskom IP management policy,
* Procurement & Supply Chain Management Policy,
* Eskom’s Legal Policies governing MOAs/MOUs.

**Annexure B**

|  |  |  |
| --- | --- | --- |
| Name of the institution (aa)(aaa) | Research done by the institutions (aa)(bbb) | Amount that Eskom has committed in financial year 2016/17 (cc) |
| Council for Scientific and Industrial Research | Camera I+I+III | To be paid |
| Rotor Refurbishment | To be paid |
| Solar PV Economics | To be paid |
| Test beds for reliable smart city Machine-to-Machine Communication (TRESCIMO) | To be paid |
| Regional Air Quality Modelling |  To be paid |

**SAFCOL SOC LIMITED**

|  |  |
| --- | --- |
| (a) | Not applicable |
| (b) | SAFCOL does not have any specific institution that it is funding by way of collaborative discretionary funding. However, SAFCOL has relationships with the following institutions as members and paying a membership fee, or paying on project basis: |
|  | (i) | **LOCAL OR DOMESTIC INSTITUTIONS** |
|  |  | Institutions | Date of Reporting | Relation with SAFCOL / Functions of Entities | Estimated amount |
|  |  | (aa)(aaa) | (bb) | (bbb) | (cc) |
|  |  | University of Pretoria | 2008 - current | SAFCOL has a forestry Chair programme with the University of Pretoria to train students and improve post graduate research | R1 200 000 p.a.(including Bursaries) |
|  |  | University of Stellenbosch | Unknown - current | Tertiary Forestry Education – training students | UnknownBursaries vary per year.R454 441 in 2016 |
|  |  | Nelson Mandela Metropolitan University (NMMU) | Unknown - current | Tertiary Forest Education – training students | UnknownBursaries vary per year.R260 586 in 2016 |
|  |  | Institutions | Date of Reporting | Relation with SAFCOL / Functions of Entities | Estimated amount |
|  |  | (aa)(aaa) | (bb) | (bbb) | (cc) |
|  |  | FABI / TPCP (Tree Protection COOP, University of Pretoria | 1990 - current | Tree protection (pests and diseases) | R500 000 p.a. |
|  |  | National Forestry Research Forum (NFRF) | 2016 – current | The institution does research for the forestry industry | No membership fees |
|  |  | Forestry South Africa (FSA) | Unknown - current | South African Professional Forestry Association membership | R2.50 per ton sold |
|  |  | ICFR (Institute of Commercial Forestry Research) | 1980 – current | Siviculture research 1980 | R400 000 p.a. |
|  |  | CSIR | 20160- current | Research | Currently no funding (future projects) |
|  |  | Forest Molecular Group (FMG), University of Pretoria | 2016 – current | Research (genetic research on trees) | Currently no funding (future projects) |
|  |  | Baboon Damage Working Group | 2000 – current | Research (on animals causing damage to SAFCOL trees) | R200 000 p.a. |
|  |  | South African Sirex Control Programme | 2010 - current | Research and tree protection (pest control for better tree survival) | R 200 000 p.a. |
|  |  | Timber Industry Pesticide Working Group(TIPWG) | Unknown - current | Pesticide environmental control | R100 000 per project |
|  |  | Institutions | Date of Reporting | Relation with SAFCOL / Functions of Entities | Estimated amount |
|  |  | (aa)(aaa) | (bb) | (bbb) | (cc) |
|  |  | Seedling Growers Association of South Africa (SGASA) | Unknown - current | Latest technology on nurseries | R 20 000 p.a. |
|  | (ii) | **INTERNATIONAL INSTITUTIONS** |
|  |  | Institutions | Date of Reporting | Relation with SAFCOL / Functions of Entities | Estimated amount |
|  |  | (aa)(aaa) | (bb) | (bbb) | (cc) |
|  |  | CAMCORE (Camcore Cooperation) | 1983 – current | Conservation, testing and breeding of forest tree species in the Tropics and Sub-Tropics | R400 000 p.a. |
|  |  | IUFRO (International Union of Forest Research Organisations) | 1980 - current | Research | R 30 000 p.a. |

**SAX SOC LIMITED**

South African Express does not provide funding to any institution/s for any research and development purposes.

**TRANSNET SOC LIMITED**

1. N/A

**(b)(i)** Transnet has partnerships and sponsorships with various Universities to conduct research and development.

University of Cape Town (UCT):

* Sponsorship: Research and Education Programme in Rail Engineering, faculty Building Environment, Engineering and Information technology
* Duration: 2013-2018
* Value: R6 000 000.00

University of Pretoria (UP):

* Sponsorship: Chair in Railway faculty Building Environment, Engineering and Information technology
* Duration 2013-2018
* Value: R12,6m

University of the Witwatersrand (WITS):

* Sponsorship: Systems Engineering
* Duration: 2012-2017
* Value: R58,762 000.00

University of Stellenbosch (US)

* Sponsorship: Port and Coastal Engineering
* Duration: 2015-2020
* Value R9 400 00.00

**(b) (ii)**  None

**(bb)** None

**(bbb)** None

**(cc)** N/A

**Remarks: Reply: Approved / Not Approved**

**Mr. Mogokare Richard Seleke Ms. Lynne Brown, MP**

**Director-General Minister of Public Enterprises**

**Date: Date:**