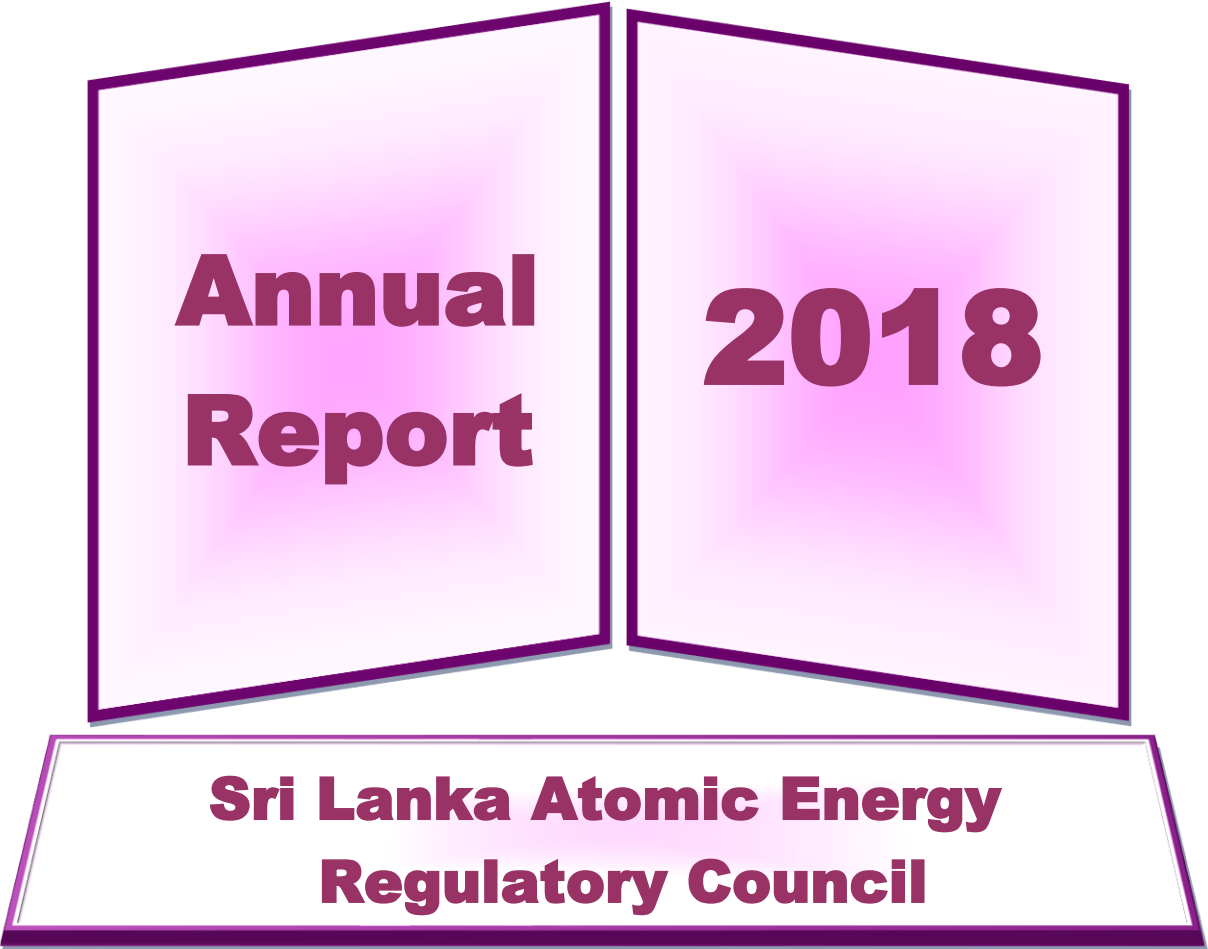


The graphic consists of two light pink rectangular panels with dark purple borders, tilted slightly outwards from a central vertical axis. Below these panels is a white trapezoidal base with a dark purple border. The text is centered on each panel and the base.

**Annual
Report**

2018

**Sri Lanka Atomic Energy
Regulatory Council**

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Chairman's Message



It is with great pleasure I record this message at the time of completing the Sri Lanka Atomic Energy Regulatory Council's (Council) fourth year of its existence. The year 2018 was significant to the Council as it was possible for the Council to draft several essential documents for strengthening regulatory infrastructure of radiation protection and nuclear security.

The Council during the year under review drafted the two regulations namely "Regulations on Ionizing Radiation Protection and Safety of Radiation Sources" and "Regulations for the security of radioactive sources during manufacture, use and storage" and the National Nuclear or Radiological Emergency Management plan. The rule on "Criteria for Qualification of Radiation Workers" drafted by the Council was sent to 15 stakeholder organizations to obtain their views and comments. After receiving the comments, a round table discussion with stakeholders was held on 24th December 2018 for further discussing concerns of stakeholders for finalization of the draft rule for qualifications of radiation workers. At present this final draft is being prepared based on the above discussion.

In terms of the Sri Lanka Atomic Energy Act No.40 of 2014, it is required to nominate a high court to hear offences under the Act which are required to be heard in a High Court. The Ministry of Justice and Legal Draftsman's Department in collaboration with the Council drafted a regulation to nominate High court of Sri Lanka, Holden in the Judicial Zone of Colombo as the High Court to hear offences given in the Act to be heard in a High Court. This regulation was published in the gazette number 2050/34 by the Minister of Justice and subsequently approval of the Parliament was obtained on 20th March 2018.

The Board of Management of the Council has given priority in this year for recruitments and human resource development as it understood that new regulatory authority cannot function efficiently without trained and adequate number of persons for scientific and administrative work. As a result, the Council recruited eight Management Assistants in March 2018 following the procedure established in Council's promotional scheme. Since the recruitment of few scientific officers are essential for strengthening the licensing and inspection activities of the Council, the Council coordinated with the Management Services Department of General Treasury to get approval for the recruitment of 04 scientific officers already requested.

Numbers of foreign training opportunities were also provided to scientific staff to train them in licensing, inspection, radiation protection, import/export control, transport safety and waste safety. An opportunity was provided for a Scientific Officer to follow a six months postgraduate diploma on radiation protection in Malaysia that was conducted by the International Atomic Energy Agency (IAEA). His knowledge and experience obtained from the participation of this diploma will be immensely beneficial for the Council to develop its regulatory work.

Sri Lanka has been a Member State of IAEA since 1957 and became parties to several treaties, conventions and agreements on nuclear safety and security after became a Member of IAEA. The Council as per section 12(e) of the Act is responsible for fulfillment of obligations of Sri Lanka of the

above treaties and conventions to which Sri Lanka is a party. Accordingly, the Council has taken initial steps in collaboration with the Ministry of Foreign Affairs to sign the Additional Protocol. The approval of the Cabinet of Ministers was taken to prepare necessary laws to implement this protocol in Sri Lanka.

The Council participated in IAEA ConvEx International Emergency Response Exercises which were conducted by the IAEA International Emergency Centre under the provisions of Convention on Assistance in the Case of Nuclear or Radiological Emergency and the Convention on Notification in Case of a Nuclear Accident. 04 ConvEx exercises were conducted on 08 March 2018, 09 October 2018, 15 & 16 October 2018 and 27 November 2018 through IAEA International Emergency Center (IAEA-IEC) web on Nuclear or Radiological Emergencies. These exercises were useful for the Council to understand IAEA communication system, and method of communication with IAEA and other countries through established IAEA - IEC WEB base communication system in case of a nuclear or radiological emergency

His excellency Mr. Yukiya Amano, Director General of the IAEA officially visited the Council on 15th March 2018. A special function was held at the Council with participation of all Council & Sri Lanka Atomic Energy Board staff members on that date to honour the Director General of IAEA. Director General of the Council presented the existing regulatory infrastructure in Sri Lanka and activities carried out by the Council to establish licensing and inspection system to meet IAEA requirements. The State Minister also addressed the gathering and he thanked the IAEA for supporting Sri Lanka for development of nuclear technology in various aspects.

His excellency Mr. Yukiya Amano addressing the gathering stated that IAEA always cooperate with Sri Lankan authorities to development of the nuclear technology and also, he stated that IAEA would support to Council for achieving future goals. It is my opinion that visit of Director General of the IAEA strengthened the bi-lateral cooperation of Sri Lanka with the IAEA.

In conclusion, I wish to thank the Secretary to the Ministry of Power and Renewable Energy for providing directions and support to the members of the Board of management for taking their invaluable policy decisions in the endeavors of our Council. I would also like to thank Chairman of the Sri Lanka Atomic Energy Board, experts who assisted us in developing regulatory infrastructure of the Council

Finally, I would like to extend my sincere gratitude to all the members of the staff of Council led by the Director General, for their dedication, commitment and unwavering support throughout the year in implementing the operational activities of the Council and Honorable Minister, Honorable Deputy Minister and the ministry staff for the support extended.

I thank and wish them all well.



Saminda Jayasekara
Chairman

Sri Lanka Atomic Energy Regulatory Council

Director General's Message



It is with great pleasure I record this message for the fourth Annual Report of the Sri Lanka Atomic Energy Regulatory Council (Council) which presents activities of the year 2018. As the Director General of the Council, it was possible for me to obtain national and international co-operations from relevant stakeholders to uplift regulatory infrastructure of the Council.

During the year under review it was possible for the Council issued 392 licences, 810 import and export approvals, and 157 approvals for irradiation rooms. The Council also issued 984 certificates for clearance of milk foods based on the laboratory reports of the Sri Lanka Atomic Energy Board. The Council also conducted announced and unannounced inspections to verify status of the facilities for regulatory compliance and to locate unauthorized uses of radiation sources. In total 260 inspections were conducted. Both safety and security aspects were included for the facilities at which physical security is provided in collaboration with USDOE Global Material Security Programme. A check list was developed for using during inspections to check compatibility of security systems installed with the requirements of international standards given for IAEA category - 1 radiation facilities.

The Council drafted a National Radiological Theft Response Code (NRTRC) in collaboration with USDOE. Two stakeholders' meeting to review the draft were held. The final draft prepared incorporating comments of the stakeholders were submitted to relevant stakeholders for final consent at the advice of Board. Comments have been received from several stakeholders and final document is being prepared.

The Council organized two workshops in cooperation with US Department Energy 's Global Material Security program for stake holders including Council's officers to train them in preparation of site security plans for relevant institutes at which physical security systems have already been installed.

It is the responsibility of the Council to regulate safety and security of radioactive wastes. The Council in 2018 has taken steps to send 53 spent radioactive sources and 07 moisture density gauges manufactured in the United States of America to Los Alamos Laboratory of the United States of America. The expenses in connection with international transport and disposal fees of these sources were borne by the Global Material Security Programme of Department of Energy of the United States of America and these activities were coordinated by the Department of Energy of the United State of America. The transfer of these sources to containers sent by the contractor in the United States of America and preparation of the containers for international transport as per provisions of the transport regulations of the International Atomic Energy Agency were done by the officers of the Council.

As per provisions of the Act, management of radioactive waste is a function of the Sri Lanka Atomic Energy Board. Therefore, after possible sources are removed from the National Spent Source Storage Facility, the Council officially handed over all remaining radioactive sources under its custody with comprehensive list of sources (inventory of sources) to the Sri Lanka Atomic Energy Board on 2nd October, 2018.

During the period of 12-16 November 2018, the revised draft of National Nuclear or Radiological Emergency Management Plan incorporating comments of the stakeholders was reviewed by an IAEA expert (Dr. Marjan Tkavc) and revisions to the draft were done as per his advice. At present final plan is being prepared by me with the assistance of Deputy Director responsible for Emergency preparedness.

The Council conducted several awareness programs for Sri Lanka Army, Navy & Air Force Chemical, Biological, Radiological, Nuclear & Explosive (CBRNE) Groups to develop nuclear or radiological emergency preparedness and response capabilities. Also training courses on radiation protection & radiological emergency management conducted in collaboration with Special Task Force, Training School, Katukurunda, Kalutara for officers of response forces.

As a whole it is evident from the activities conducted and progress achieved, the year 2018 was a very successful year for the Council to implement regulatory activities satisfying requirements and mandate given by the Act.

I sincerely express my gratitude to staff of the Ministry of Power & Renewable Energy, Chairman and the Board of Management and my staff who provided their assistance in implementing the activities of 2018 for achieving the above progress.



H.L. Anil Ranjith

Director General / CEO

Sri Lanka Atomic Energy Regulatory Council

VISION

A country protected from the potentially harmful effects of ionizing radiation

Protection of general public, patients, radiation workers and the environment from potentially harmful effects of ionizing radiation by implementing an efficient and effective regulatory regime



INTRODUCTION

The Sri Lanka Atomic Energy Regulatory Council (Council) was established on 01st of January 2015 by the Sri Lanka Atomic Energy Act No. 40 of 2014, with the mandate of establishing and implementing a regulatory regime for ensuring the protection of public, patients, radiation workers and the environment from potentially harmful effects of ionizing radiation and security of radioactive sources. The fulfillment of the mandate of the Act requires the Council to establish systems for licensing and an inspection of users of radiation and radioisotopes, control of import and export of radioactive materials, management of radioactive waste, ensuring physical protection of radioactive materials, developing the capability to respond to nuclear or a radiological emergency, meeting the obligations of Sri Lanka under the Safeguards agreement with the IAEA and the establishment of the legislative and regulatory framework necessary for the above. The Council is also mandated to function as the focal point for conventions and protocols signed by Sri Lanka on nuclear safety and security.

The Act has given powers to the Minister under section 14 of the Act to appoint Chairman and members to the Council. The Council shall consist of five members including the Chairman as follows

- (a) Three persons who are experts in the field of nuclear science and technology or radiation protection
- (b) One person who has experience in legal aspects connected with or relating to the objectives of the Council; and
- (c) A senior officer not below the rank of an Additional Secretary or a Director of the Ministry of the Minister assigned the subject of Environment nominated by such Minister.

The Council came under the purview of Ministry of Science and Technology in the first quarter of 2015 and then the Ministry of Power, Energy & Business Development.

The objectives of the Council as given in the Act are as follows.

- (a) Establish requirements for the protection of persons and the environment against risks associated with exposure to ionizing radiation and for the safety and security of sources and facilities, as appropriate;
- b) Take all appropriate steps to ensure the protection of persons and the environment from harmful effects due to any source, nuclear material and other radioactive material and ensure the security of such material and facilities; and
- (c) Ensure compliance with International Standards and obligations in the field of nuclear energy, which are required to be complied with by Sri Lanka.

The Council commenced operations with 19 employees who opted to become staff members of the Council under the provisions of the Act. The Scheme of Recruitment (SOR) for the Council approved by the Management Services Department has 41 cadre positions and the Council is in the process of recruitment of persons meeting the requirements of the SOR.

Board of Management

The Act has provisions to appoint five Board members by the Minister and one of whom shall be ex-officio nominated by the Minister in charge of the subject of Environment, as per Section 14(1) (a) of Sri Lanka Atomic Energy Act, No.40 of 2014.

The members of the Board of management from 1st January 2018 to 29th October 2018 were as follows:

Name	Designation
Dr. Saman Hewamana	Chairman
Prof.K.R Ranjith Mahanama	Member
Mrs. J.M.C Malini Jayawardana	Member
Mr. D.G.L. Wickramanayake	Member
Mr. M.G.W.M.W.T.B. Dissanayake	Member
Mrs. K.V.I Mallika	Observer from Ministry of Power and Renewable Energy
Mr. G.I. Ganganath Perera	Observer from Ministry of Finance from 01.01.2018 – 05.02 .2018
Mr. R.M.J. Rasnayake	Observer from General Treasury from 27.02.2018 – 29.10 .2018

The members of the Board of management from 30th October 2018 to 31st December 2018 were as follows:

Name	Designation
Mr. Anura Jayasiri	Chairman
Prof. K.R Ranjith Mahanama	Member
Mrs. J.M.C Malini Jayawardana	Member
Mr. M. Ismail Nazar	Member
Mr. M.G.W.M.W.T.B. Dissanayake	Member
Mrs. K.V.I Mallika	Observer from Ministry of Power and Renewable Energy
Mr. R.M.J. Rasnayake	Observer from General Treasury

During the period under review the Board held 12 meetings. Matters pertaining to operational activities, staff matters, finance and administration were presented to the Board for policy decisions. The Board also reviewed the physical and financial progress of the Council.

Director General

Mr. H.L. Anil Ranjith, who has 30 years of experience in regulatory matters and radiation protection, has been working as the Director General for the Council from 3rd November 2015. Mr. Ranjith was appointed by the Honorable Minister of Power and Renewable Energy by virtue of powers vested to him in section 71(1) (b) of the Act. Before this appointment, Mr. Ranjith had been working in the Atomic Energy Authority as the Director of Division of Radiation Protection and Regulations.

Senior Management Committee of the Council

NAME	DESIGNATION	EDUCATIONAL QUALIFICATIONS
Mr. H.L. Anil Ranjith	Director General	BSc (Second Class Lower Division) MSc in Nuclear Science
Mr. T.H.S. Shantha	Director (Authorization)	BSc - Second Class Upper Division, MSc in Nuclear Science
Mr. U.W.K.H. De Silva	Deputy Director	BSc (Special) in Chemistry, MSc in Nuclear Science, Post Graduate Diploma in Radiation Protection (Malaysia)
Mr. K. N. R. Fernando	Deputy Director	BSc - Second Class Lower Division, MSc in Nuclear Science Post Graduate Diploma in Radiation Protection (Malaysia)
Mr. K. K. P. I. K. Kadadunna	Deputy Director	BSc - Second Class Lower Division, MSc in Nuclear Science Post Graduate Diploma in Radiation Protection (Malaysia)
Mr. K.S.S. Kumara	Deputy Director	BSc (Special) in Physics- Second Class Upper Division, MSc in Nuclear Science Post Graduate Diploma in Radiation Protection (Malaysia)
Ms. E.D.R. Prabani	Legal Officer	L.L.B. (Colombo), Attorney-at- law Commissioner of oath
Mrs. A.K. Chandrasekara	Accountant	G.C.E. (A/L) Examination
Mr. W.A.K. Lakshman	Internal Auditor	G.C.E. (A/L) Examination

Executive Summary

The year of 2018 is the fourth year of the Council since its inception under the Sri Lanka Atomic Energy Act No. 40 of 2014 on 1st January, 2015. The Council was functioned under the Ministry of Power, Energy & Business Development and was managed by a Board appointed by the Honorable Minister

Sri Lanka Atomic Energy Act No. 40 of 2014 has delegated a mandate to the Council to ensure the responsibility of the safety of the public, patients, radiation workers and the environment from potentially harmful effects of ionizing radiation by establishing and maintaining a regulatory control system. Further, the responsibility is extended to ensure safety and security of radiation sources. The Council is also responsible for adoption of standards for protection, safety and security.

In order to achieve the objectives of the Act, the Council carries out licensing of users of ionizing radiation and irradiating apparatus, inspection of irradiation facilities, import and export control of radiation sources, a waste safety programme, approvals for safe transport of radioactive material, implementation of safeguards and enforcement system.

In the year of 2018 the main focus of the Council was to prepare and finalize the nuclear or radiological emergency management plan and drafting of regulations on ionizing radiation protection and security of radioactive sources.

The Council also updated renewal licence application forms to include necessary regulatory requirements with the experience obtained from licensing & inspection carried out from 2015 to 2018.

In order to strengthen the regulatory infrastructure required for licensing of sources, the Council prepared the following documents and reviewed with the stakeholders and final version of the documents are being prepared.

- Rule on criteria for qualification of radiation workers
- Regulations on Ionizing Radiation Protection and safety of Radiation Sources
- Regulations for the security of radioactive sources during manufacture, use, and storage

The Council reviewed with stakeholders the draft of National Radiological Theft Response Code (NRTRC) prepared in collaboration with USDOE for effective and timely response to a national radiological security threat.

The Council also reviewed the National Nuclear or Radiological Emergency Management Plan with the stakeholders and prepared final draft incorporating comments of the stakeholders. Arrangements were made to request IAEA expert to review this Plan. The draft plan was received in collaboration with IAEA expert from 12th – 16th November 2018.

The Council recruited 08 Management Assistants in March 2018 following the procedure established in Council's promotional scheme.

Since the recruitment of few scientific officers are essential to strengthen licencing and inspection activities of the Council, the Council reminded the Management Services Department of General Treasury to grant approval for the previous request to recruit 04 scientific officers.

Further in 2018, the Council provided several radiation protection services to the state and private sector organizations to achieve safety norms by performing regular inspections of premises that use radiation sources and radioisotopes. All the institutes that have applied for the licence for possessing and using radioisotopes or irradiation apparatus (including medical X-rays) were granted licence after proper assessment of compliance with the requirements of the Act and regulations.

Authorizations for import/ export of radioactive materials were carried out in the year under review and approvals were given for irradiation room plans with the recommendations to meet Council's requirements. There was an increase in requests of approvals for import and export of sources and irradiation room plans.

The Council paid its attention to fulfill the obligations under international conventions signed by Sri Lanka following the directions provided in Section 12 (e) of Sri Lanka Atomic Energy Act No.40 of 2014. The Council submitted necessary documents and its recommendations to the Ministry of

Foreign Affairs to consider signing of Additional Protocol to the Safeguards Agreements at the request of International Atomic Energy Agency (IAEA). The Council had participated several consultations with Attorney General Department and Foreign Ministry to provide information on technical and administrative arrangements to be adhered for implementation of the Additional Protocol and obligations to be fulfilled as a party if the Additional Protocol was signed.

Based on the recommendations given by the Attorney General's Department, the Minister of Power and Renewable Energy in collaboration with the Council submitted a cabinet paper to obtain approval of the Cabinet of Ministers to inform the IAEA the consent of Sri Lanka to conclude Additional Protocol (AP). The Cabinet of Ministers' approval was granted to inform IAEA that Sri Lanka will ratify the AP after legal requirements for implementation of AP is promulgated in Sri Lanka and with the notification to IAEA after the above requirements are fulfilled. Accordingly, the decision of Cabinet of Ministers was informed to IAEA by the Ministry of Foreign Affairs and the Council is in the process of preparing amendment to the Sri Lanka Atomic Energy Act No.40 of 2014 to include provisions to implement requirements of AP in Sri Lanka.

As the manpower development is an essential component for enhancing the regulatory services given by the Council, the Council officers were provided with several local and foreign training opportunities and services of the experts to develop the work-related capabilities of the staff, with the assistance of the IAEA and US Department of Energy's Global Material Security programme.

The Council conducted several training programmes to enhance knowledge of radiation protection of personnel who use ionizing radiation in Government and private sector organizations. Arrangements were also made to appoint Radiation Protection Officers from all the license facilities. Details of the activities carried out by the Council during the year of 2018 can be found under the following areas:

- Legislation and regulations
- International treaties and conventions
- Authorization (licensing and approvals)
- Import and export control
- Safety inspections
- Security of Nuclear and other Radioactive Materials
- Waste management and transportation of radioactive material
- Emergency response and planning
- Human resources development
- Miscellaneous Activities

It was a challenge to the Council for preparing necessary technical documents for establishment of regulatory system meeting international standards due to lack of adequate number of trained technical experts within the Council and in the Country.

Lack of sufficient number of Scientific Officers was also a challenge for timely discharging planned activities and attending some on request inspections within reasonable time period.

However, the Council has taken its maximum effort to improve regulatory and administrative work of the Council meeting international standards amidst the above constraints due to dedication, commitment and unwavering support of the staff in implementing the operational activities of the Council.

Audit and Management Committee Reviews 2018

The Audit Committee is constituted in accordance with the Guidelines for Good Governance issued by the Department of Public Enterprises of the Ministry of Finance.

The Council's Audit Committee for the year 2018 consists of the following members and held four meetings.

Prof. K.R. Ranjith Mahanama (Board Member)	-	Chairman to the Audit Committee from 22.08.2016 to 31.05.2018
Mr. D.G. L. Wickramanayake (Board Member)	-	Chairman to the Audit Committee from 01.06.2018 to 13.09.2018
Mr. R.M.J. Rasnayake (Treasury Representative)	-	Chairman of Audit Committee Committee from 20.12.2018
Mrs. J.M.C. Malani Jayawardhana (Board Member)	-	Member of the Audit Committee and Board
Mrs. B.A.D.A. Abewardane	-	Observer to the committee, Chief Internal Auditor, Ministry of Power and Renewable Energy
Mr. R. Karunarthna	-	Observer to the committee, Representative of Auditor General Department
Miss. E.D.R. Prabani	-	Board Secretary/ Legal Officer- acts as the secretary of the Audit Committee as per the Treasury Circular No: PED/55
Mr. W.A.K. Lakshman	-	Internal Auditor (Convener of Audit & Management Committee)

Objectives of the Committee

Having considered the objectives defined in the 'Guidelines for Good Governance' of the Department of Public Enterprise, the Audit Committee made maximum effort to achieve the following objectives.

- Determine the Scope of the Internal Audit Unit and review the annual audit plan.
- Assist Board of Directors to maintain the stewardship responsibilities submitting its observations to the Board with recommendations for necessary action.
- Monitor follow up action on the recommendations of the committee.
- Review internal audit/external audit reports and recommendations to management for remedial action.
- Ensure that the Council adheres to the statutory requirements and carry out its activities in accordance with regulatory requirements.
- Evaluate internal control procedures for all activities of the Council and ensure the smooth operation of such procedures.

- Review quarterly performance including budgetary reports for cost effectiveness and to eliminate wasteful expenditure etc.

Activities of the Audit Committee during the year 2018

- Reviewed the draft annual internal audit plans for the year 2018 and revised with amendments to prepare the final plan.
- Recommended to implement recommendations of report on revalued office & scientific equipment which have attained their zero value.
- Reviewed the Implementation of recommendations of the previous committee meetings which were based on internal, and government audit reports and further recommendations were given for improvements where necessary.
- The Audit committee discussed the Internal Audit reports of Internal Auditor submitted for 2018 and inquired about the response of the management and remedial actions for the Internal Audit reports and recommended to take appropriate action as listed below.
 - Review the final Accounts of 2017 before submitting to the Board and observations were given.
 - To dispose of the disposable items of 2017 as per the panel recommendation, FR and circulars.
 - Appointment of a committee to conduct the board of survey for 2018
 - Utilization of method for fuel balancing of vehicles as per PA circular 41/90 and checking the vehicle running charts once a week to meet recommendations of government audit report.
 - Remove debtors' balance from book of Council according to decision of the Audit Committee of Ministry and the Treasury Circular No 2/2016 based on report prepared in connection with debtors & creditors.
 - Advice to take necessary actions to inform licence holders to take remedial actions for incompliances noticed on radiation safety during Inspections of the licensed institutes of the Council by the audit officers.
 - Implement the loss and damage Register according to financial regulations 110,109.
 - Indicate the vehicle numbers in fuel bills and register.
 - Advise to send letters to Department of Management Service requesting approval for payments made to servants of the Council for accommodation during inspections
 - Appointment of Senior Management Committee as per the Good Governance guideline no.7.4.2
 - Payment of incentives as per the PED circular 2016,2017 and recommendation of Audit and Management Committee of Ministry.
 - To create new posts of 01 Driver and 02 Management Assistants for Sri Lanka Atomic Energy Regulatory Council.
 - To increase the local and overseas training vote allocation at least to Rs. 300,000/-.
 - To maintain the check list for all payment vouchers
 - To enter the date of lieu, leave in leave application form and register
 - To provide payment of Rs.250/- for vehicle inspection Technical Officer as per the PED circular No 449 and establishment code section IX
 - To revise budget of 2018 for approval to the Board.
 - To issue duty list for new officers.

- To maintain registry of Service agreement renewals and register for service of office equipment.
- To send copy of report to Auditor General after checked running charts.
- To create post of Deputy Director (administration) which falls in MM category.

Establishment of Sri Lanka Atomic Energy Regulatory Council

The Council came into existence on the 1st of January 2015, in accordance with the Gazette notification to this effect made by the Minister.

Location of the Council

The Council rented out a floor (a space of approximately 6500 square feet on the third floor) of the building of the National Centre for Non-destructive Testing (NCNDT) located in Kandy Road, Bulugaha Junction, Kelaniya, to carry out its operations.

Resources

The Council has 16 Scientific staff including the Director General, and 21 Administrative staff including a Lawyer as at 31st December, 2018. The council possesses sufficient number of office equipment to successfully execute functions of the Council. However space for the Council and scientific and Administrative staff is still insufficient for fulfilment of mandate given to the Council by the Act.

Activities of Sri Lanka Atomic Energy Regulatory Council

Legislation and Regulations

The implementation of the Act requires drafting and adoption of a number of regulations, rules and orders in order for the Council to acquire the required legal authority. In the year of 2018, the followings activities with respect to legislations and regulations were done.

Regulations of Ionizing Radiation Protection

The draft Regulations on Ionizing Radiation Protection was reviewed against relevant International Atomic Energy Agency (IAEA) publications and areas to be improved were identified and updated the draft with relevant information.

The draft regulations covered the following areas which are specified in the Act to make regulations.

- the regulation of the exportation, importation, re-exportation, storage, mining, processing, designing, manufacturing, construction, assembling, acquiring, distribution, selling, leasing, hiring, receiving, siting, locating, commissioning, possessing, decommissioning, disassembling, using or disposing radioactive material or radioactive sources and of designing, manufacturing, selling, locating, possessing, using, exporting or importing of irradiating apparatus;
- the decommissioning of irradiation installations;

- (c) the protection of radiation workers against harmful effects of ionizing radiation, including medical surveillance and occupational exposure of ionizing radiation;
- (d) the protection of general public and the environment against harmful effects of ionizing radiation;
- (e) the regulations of medical practices involving ionizing radiation, including protection of patients;
- (f) the regulation of radioactive waste management, including release of waste into the environment and any practice which may affect public health and safety;

Regulations of Security of Radioactive Sources

Provision of Security for radioactive sources is very important to protect them from being used for unauthorized activity which may cause detrimental damage to human and the environment. Therefore, promulgation and implementation of regulations is essential for ensuring security of the radioactive sources. The Act under section 86(g) provides powers for the Minister to make regulations of security of radioactive sources and controlled items. The Council reviewed the draft regulations against International Atomic Energy Agency relevant publications and with assistance of USDOE final draft of the regulations were prepared. These regulations were introduced to stakeholders during stakeholders' meetings and their comments were obtained. Revised draft based on the comments of stakeholders were prepared.

Rules on Criteria for Qualification of Radiation Workers

Section 87 of the Act provides the Council to powers to make rules on certain matters that are essential for radiation protection of workers, patients and the public.

The above rule was drafted under section 87(1)(d) by a committee appointed by the Council. This rule establishes minimum qualifications and experience of each category of worker to perform respective duties using ionizing radiation.

This 1st draft of Rule for qualification of radiation workers was prepared and it has been sent to 15 stakeholder organizations to obtain their views and comments. Comments have been received from 04 stakeholders. A round table discussion with stakeholders was held on 24th December 2018 for further discuss concerns of stakeholders for finalization of the draft rule for qualifications of radiation workers. At present this final draft is being revised based on the above discussion.

Regulations to designate a High Court to hear offences under Sri Lanka Atomic Energy Act No.40 of 2014

In terms of the Sri Lanka Atomic Energy Act No.40 of 2014, it is required to nominate a high court to hear offences under the Act which are required to be heard in a High Court. The Ministry of Justice and Legal Draftsman's Department in collaboration with the Council drafted a regulation to nominate High court of Sri Lanka, Holden in the Judicial Zone of Colombo as the High Court to hear offences given in the Act to be heard in a High Court. The regulation was gazetted in the gazette number 2050/34. The above regulation was approved in Parliament on 20.03.2018.

Implementation of International treaties, conventions

In terms of sections 12(e), 58(2) and 60 of Sri Lanka Atomic Energy Act no.40 of 2014, the Council is authorized and responsible for entering into the international treaties, protocols and conventions on nuclear safety, security and safeguards and to fulfill obligations of Sri Lanka for the international treaties, protocols and conventions that were already entered into force. Following attempts were successful in 2018.

Additional protocol to Sri Lanka's safeguards agreement

Entering into the Additional Protocol (AP) is an obligation of Sri Lanka under the Treaty on Non-Proliferation of Nuclear Weapons to which Sri Lanka is already a party and hence preliminary steps were taken by the Council in 2015 and 2016 to discuss with relevant stakeholders to understand obligations of each stakeholder if Government decide to sign the AP.

Several follow up actions and deliberations were held between the officers of the Ministry of Foreign Affairs and the Council officials on during 2017 and 2018. The Council provided its assistance to the Ministry of Foreign Affairs in evaluating the existing supportive legislations to adopt the additional protocol and drew attention on the relevant legal provisions in Sri Lanka Atomic Energy Act and Treaty on Non- Proliferation of Nuclear Weapons and the Safeguard Agreement in this regard.

After discussing with relevant stakeholders and the Attorney General's Department, it was agreed to submit a joint Cabinet paper by the Ministry of Power and Renewable Energy and Ministry of Foreign Affairs to obtain the approval of the Cabinet of Ministers for signing the Additional Protocol to the Safeguards Agreement.

The approval of Cabinet of Ministers was obtained to inform the IAEA that Sri Lanka will ratify AP after legal requirements to adopt AP in Sri Lanka is completed and a notification is sent to IAEA after legal requirements are fulfilled. Consequently, Ministry of Foreign Affairs conveyed the IAEA the consent of Sri Lanka to conclude AP subject to said requirements.

Convention on Assistance in the case of Nuclear or Radiological Emergency and the Convention on Notification in the case of Nuclear Accident.

Sri Lanka is a party to the above conventions and under section 58(2) of the Act, the Council functions as the contact point for the above conventions. Accordingly, Sri Lanka has nominated responsible persons from Council giving all the contact details to function as international warning point and the competent authority (abroad) and competent authority (local). The Council as the contact point participated in several Convex exercises conducted by the IAEA Incident Emergency Centre (IEC)

Authorization (Licencing and approvals)

Issuing of licences

Issuing of licenses were commenced from 1st January,2016 meeting requirements of the Atomic Energy (Licence) Rules No. 1 of 2015 and the Atomic Energy (Notification of Intention to Conduct a

Practice) Rules No. 1 of 2015. The said rules specify the period of licences as 01, 02 and 03 years depending on the risk associated with the practices. The new licences and renewal of existing license were issued for the following practices

- Radiotherapy (Tele-therapy, brachytherapy and linear accelerators)
- Nuclear Medicine (Therapy, in-vivo and in-vitro diagnosis)
- Medical radiography (General, dental and interventional)
- Industrial Irradiation Plants (Sterilization of medical products and food irradiation)
- Gamma irradiation chambers (Research, blood irradiation)
- Industrial radiography (Gamma and X-rays)
- Neutron generators, nucleonic gauges, well logging sources and lightening arrestors.
- Analytical x- ray equipment, analytical equipment containing radioactive sources and cabinet x-ray units
- Sealed and unsealed radioactive sources
- Import and export of irradiating apparatus and radioactive materials
- Transportation of radioactive materials
- Servicing and maintenance of irradiating equipment and equipment containing radioactive sources
- Radioactive Waste management and storage
- Disposal and discharge of radioactive sources
- Sale of radioactive sources and Irradiating apparatus
- Human imaging X-ray systems

Revised the renewal applications & preparation of new applications for licences

Licence renewal application forms were revised & new application forms were prepared for the following practices and distributed to the licence holders to renew their licences and apply licence for new facilities.

No	Name of the Application	Sources covered	Application Code Number	Period of renewal
01	Application for a licence for Applications of ionizing radiation in Certain Practices	Sealed & Unsealed sources with aggregated activity less than 370 Giga Becquerel (10 curie) for certain applications, or and use of irradiating apparatus for certain purposes	Form UC-02 (Revision 1)	2 Years
02	Application for the Renewal of a licence for Applications of Ionizing radiation in Certain Practices	Sealed & Unsealed sources with aggregated activity less than 370 Giga Becquerel (10 curie) for certain applications, or and use of irradiating apparatus for certain purposes	Form UC-02-R (Revision 1)	2 Years
03	Application for a modification of a licence issued for the practices involving ionizing radiation	All facilities & sources	Form Mod-01 (Revision 1)	-
04	Application for the Renewal of a licence for Applications of Ionizing radiation in	Particle Accelerators /Neutron Generators /Nucleonic Gauges	Form IN-01-A-R (Revision 1)	2 Years

	Industry, Research & Educations	/Well Logging sources /Lightening Arresting Devices		
05	Application for the Renewal of a licence for Applications of Ionizing radiation in Industry, Research & Educations.	Sealed & Unsealed sources with total activity more than 37 Giga Becquerel (1 curie)	Form IN-01-B-R (Revision 1)	2 Years
06	Application for the Renewal of a licence for Nuclear Medicine Facilities Using Unsealed Sources for in Vitro or in Vivo Diagnosis.	Unsealed Sources for in Vitro or in Vivo Diagnosis	Form NM-02-R (Revision 1)	2 Years
07	Application for the Renewal of a licence for Sterilization and Food Preservation, Blood Irradiation using Ionizing radiation.	Gamma Irradiation Chambers/ Electron Beam Accelerators/ X-ray Machines	Form SI-02-R (Revision 1)	2 Years
08	Application for the Renewal of a licence for Sterilization and Food Preservation, Blood Irradiation using Ionizing radiation.	Dry Storage or pool type irradiation facility	Form SI-01-R (Revision 1)	1 Year
09	Application for the Renewal of a licence for Facilities used for storing & handling of radioactive sources transported by Air.	Storing & handling of radioactive source transported by Air	Form SH-01-R (Revision 1)	1 Year
10	Application for the Renewal of a licence for Industrial radiography using ionizing radiation	Gamma/ Neutron/ Beta Radiography sources and X-ray machines	Form IR-01-R (Revision 1)	1 Year
11	Application for the Renewal of a licence for Medical radiography using Ionizing Radiation	General Radiography X-ray Machines/Interventional Radiological X-ray Machines & Angiography X-ray Machines /CT scanners/ Mammography X-ray Machines	Form MR-01-R (Revision 1)	2 Years
12	Application for the Renewal of a licence for Medical radiography using Ionizing Radiation.	Dental X-ray Machines/Bone Density Scanners	Form MR-02-A (Revision 0)	3 Years
13	Application for the Renewal of a licence for Medical radiography using Ionizing Radiation.	Veterinary X-ray Machines	Form MR-02-B (Revision 0)	3 Years

14	Application for the Renewal of a licence for Applications of Ionizing Radiation in Industry, Research and Education.	Sealed & Unsealed sources with total activity less than 37 Giga Becquerel (1 curie)	Form IN-02-B-R (Revision 0)	3 Years
15	Application for the Renewal of a licence for Radiotherapy Facilities Using Ionizing radiation.	Tele Gamma Facility/Gamma Knife Facility/ Brachytherapy Facility	Form RT-01-R (Revision 1)	1 Year
16	Application for the Renewal of a licence for Nuclear Medicine Facilities using unseal sources for Therapy.	Unseal sources for Therapy	Form NM-01-R (Revision 1)	1 Year
17	Application for the Renewal of a licence for Applications of Ionizing Radiation in Industry, Research & Education.	Analytical X-ray Equipment /Analytical Equipment containing radioactive sources / Cabinet X-ray Unit	Form IN-02-A-R (Revision 0)	3 Years

All the applications for renewal of licences which were received by the Council before the deadline of 30th September, 2018 were considered to issue licences after the licence fee was paid and application received after this deadline were considered for issuing licenses with the payment of licence fee and the surcharge for delay of submitting application.

During the review of applications for renewal of licences for 2018, the Council considered finding of the previous inspections to assess the compliance of the facility with radiation protection requirements of the Council. All new facilities were inspected before issuing licences.

In parallel to review process, arrangements were made to get the application processing fee, licence fee applicable to each category of licence and where applicable the surcharge.

Modifications to the licences

Modifications to the licences are required on the happening of any one or more of the circumstances identified in section 27(1) of the Act to continue a practice. Accordingly, modifications to the existing licences were issued for practices that requested modifications.

Issuing of Interim Licence

In terms of the provision given in section 28(2) of the Act, interim licences pending the renewal of the same were issued for the applicants who submitted applications after dead line of 30th September, 2018 as time was not adequate to complete the reviewing process required for issuing licences for these late applications before expiry of existing licences.

Number of licences issued during the period under review

Type of licence	No. of licence issued
Licences Issued for existing practices (new and renewal)	346
Modifications issued	27
Interim Licences issued	19
Total	392

Approval of irradiation rooms:

Approvals for irradiation room plans of new facilities were given after carefully assessing the safety and security aspects provided to the rooms. 157 irradiation room plans were approved in 2018 in the following practices.

Practice/Source	No. of room plans approved
Medical facilities (X-ray)	140
Nuclear Medicine facilities	03
Industrial facilities (X-ray)	08
Industrial facilities (Gamma)	05
Medical Linear Accelerators	01
Total	157

Certificates issued for release of imported milk foods to the local market:

The certifications were issued to the Food & Drug Inspector to release the imported milk food to the local market based on the results of the laboratory test reports issued by the Sri Lanka Atomic Energy Board for samples of the milk food tested.

No. of certificates issued was 984

Maintenance of records

A registry of radioactive sources and the database of licencees were maintained and updated. The name of licence holders and other relevant information were displayed in the official website of the Council and updated periodically for public information.

At the request of the Council, the IAEA has sent a software and hardware for management of regulatory information which is known as "Regulatory Authority Information System (RAIS)". The IAEA provided an expert mission to install the software and train the officers of the Council to use the RAIS. The installation of the RAIS and training of officers of the Council to use the RAIS was carried out by an IAEA expert from 02-06 April 2018. At present data of the inspection and licensing are being entered to this RAIS software by the trained officers.

Import and Export Control

The Council granted its approval for import and export of radioactive materials and irradiating apparatus after reviewing the applications submitted for compliance with regulations. Approvals for custom clearance of radioactive consignments were also issued after verifying the documents submitted for safety and security of the sources during transport

Number of approvals issued for import and export of sources in 2018 were 810

In some cases, inspections had to be carried to verify the information given in export authorization forms and the compliance of transport packages for international transport regulations. 11 export related inspections were carried out during the year 2018.

Granting approvals for Importing category 1 or 2 radioactive sources and re-exporting the decayed radioactive sources of the same category is done as per the IAEA Code of Conduct on the Safety & Security of Radioactive Sources, and the IAEA Import and Export Guidance document.



Inspections of radioactive packages for re-export approval

Safety Inspections and Enforcement

Inspections are carried out by the Authorized inspectors appointed in terms of section 15 of the Act. The Council has powers to conduct inspections either as announced or unannounced inspections. During the inspections, the inspectors examine the safety and security arrangements provided for facility and sources to check whether the safety and security arrangements provided are in line with the information given in the licence applications. Licence facilities are inspected regularly based on the risk associated with the practice. Inspection periods for licensed facilities are normally as same as licence periods which depend on the facility type (annual, biennial, and triennial). However more inspection is carried if an inspection is required for safety of public and the workers. Licence for new facilities are issued only after radiation protection inspections. Database containing information of the inspections conducted is maintained and is being updated periodically.

Inspections in Industrial applications.

Period of inspections, practices/sources and no. of inspections carried out in industrial applications are given below.

Period	Practice / Sources	No. of inspections
Annual	- Industrial Irradiators (Pool Type Irradiators) - Industrial Radiography facilities	08
Biennial	- Self-Shielded Gamma Irradiators/X-ray Machine - Nucleonic Gauges and Well Logging sources - Particle Accelerators - Lightning Arresting Devices - Sealed and Unsealed sources with total activity more than 37 Giga Becquerel (1 Curie)	12

Triennial	- Analytical equipment containing radioactive sources - Analytical X-ray equipment - Cabinet X-ray Units - Sealed and Unsealed sources with total activity less than 37 Giga Becquerel (1 Curie)	15
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Total no. of inspection conducted in industrial applications in 2018 were 35



Inspection at an industrial radiography facility



Inspection of radiation leakages in imported container at Colombo Port

Inspections in medical applications

Period of inspections, practices/sources and no. of inspections in medical applications are given below.

Period	Practice/source	No. of inspections
Annual	- Tele gamma facility - Brachytherapy facility - Nuclear Medicine facilities (therapy using unseal sources)	07
Biennial	- CT scanner - Mammography machine - General radiography machine - Interventional radiological X-ray unit/angiography unit - Linear accelerator facility - Tomotherapy facility - A X-ray facility - CT simulator for therapy - Nuclear medicine facility (diagnostic imagine & radioimmune assay(RIA))	160
Triennial	- Dental X-ray machine - Veterinary X-ray machine - Bone density scanner	58

Total no. of inspection conducted in medical applications in 2018 are 225



Inspecting a Mammography machine



Inspecting a C-Arm machine in an operation theatre



Inspecting a Linear Accelerator used for cancer treatment

Security of Nuclear and other Radioactive Materials

Sri Lanka has given a political commitment to IAEA that Sri Lanka is fully committed to implement the Code of Conduct of International Atomic Energy Agency (IAEA) on the Safety and Security of Radioactive Sources and the Guidance on Import and Export of Radioactive Sources.

The “Code of Conduct on the Safety and Security of Radioactive Sources” is a non-legally binding international document to focus on the security of radioactive sources and the Guidance on Import and Export of Radioactive Sources are also a non-binding document which provides requirements for safety and security to be adhered in granting approvals for import and export of radioactive material, in particular IAEA category 1 and 2 radiation sources.

In order to adhere to the requirements of the code, the Council has taken the following steps.

- Introduction of physical protection programme for sites which use high active radioactive sources.
- Conducting source search programme to locate orphan sources and collection of disused and spent radioactive sources.
- Providing training for stakeholders on security of radiation sources and training of officers of Special Task Force on security incident response.
- Introduction of minimum radiological security requirements for facilities using IAEA category -1 sources for issuing licences.
- Implement requirements of Import and Export guidance document when approval is given for IAEA category 1 and 2 sources.

Implementation of physical protection programme

As Sri Lanka does not have expertise and funds for strengthening the nuclear security at facilities and during transport of high active sources, the assistance from the International Atomic Energy Agency (IAEA) and the US Department of Energy's Global Material Security (GMS) Programme is taken for strengthening the nuclear security to meet international requirements. The following activities were undertaken during the period under review.

Provision of physical security at irradiation facilities

The Council in collaboration with GMS programme of USA provided physical protection for the following facilities in which high activity radioactive sources are used.

Name of the facility	Type of facility	No. of rooms with security
Apeksha Hospital, Maharagama	Radiation therapy installations	04
Cancer unit, Teaching Hospital, Kandy	Radiation therapy installations	02
Cancer unit, Teaching Hospital, Karapitiya	Radiation therapy installation	01
Cancer unit, General Hospital, Anuradhapura	Radiation therapy installation	01
Cancer unit, Provincial General Hospital, Badulla	Radiation therapy installation	01
Cancer unit, Base Hospital, Tellippalai, Jaffna	Radiation therapy installation	01
Sri Lanka Gamma Center, Biyagama	Pool type Irradiator	01
Ansell Lanka (Pvt.) Ltd., Biyagama	Pool type Irradiator	01
Human Tissue Bank, Colombo 7	Self-shielded Irradiator	01
Horticultural Crops Research & Development Institute, Peradeniya	Self-shielded Irradiator	01
Asiri Surgical Hospital, Colombo 05	Blood irradiator	01
Sri Lankan Airlines, Katunayake	Storage Room	01

The following inspections (assurance visits) were carried out with the participation of USDOE security experts to access the new facilities to introduce nuclear security and verification of status of implementation of requirements in the existing facilities.

Name of the facility	Date	Purpose
Spent Source Storage Facility (SSSF), Sri Lanka Atomic Energy Board (SLAEB)	25.09.2018	To access the newly established SSSF of SLAEB to introduce nuclear security
Teaching Hospital, Karapitiya, Galle	26.09.2018	verification of status of implementation of requirements in the existing facility
Ansell Lanka (Pvt) Ltd, Biyagama	05.03.2018	verification of status of implementation of requirements in the existing facility
Sri Lanka Gamma Center, Biyagama	05.03.2018	verification of status of implementation of requirements in the existing facility
Special Task Force, Training School, Katukurunda	05.03.2018	For preliminary assessment of the site to to establish a Central Monitoring Station (CMS) to monitor any possible security events that may occur at high activity radiation facilities to which physical protection is provided under this programme

Training of Stakeholders under USDOE GSM programme

The following training courses were conducted in collaboration with USDOE GSM programme. The funding was provided by the USDOE GSM programme.

Name of the Training/Workshop	Duration	Venue	No of Participants
Workshop on Development of Site Security Plan	16-19 July 2018	Hotel Fisherman Bay, Weligama	12
Workshop on Preparation of Site Security Plan	24-27 September 2018	Hotel Fisherman Bay, Weligama	30
6th Regional Review Meeting of GSM programme	06-09 March 2018	Hotel Kingsbury, Colombo	80



Conducting Workshop for Stakeholders to develop Site Security Plan

Strengthening regulatory system in security

The Council has taken steps to draft regulations on security of radioactive sources and first draft of this regulations were finalized with the assistance of USDOE. The arrangements have been taken to include nuclear security to syllabus of the training programmes conducted by the STF training college. A check list was prepared to be used during inspections to check compatibility of security systems installed with the requirements of international standards given for IAEA category- I radiation facilities. The Council's radiation protection inspectors were trained to conduct security inspections to verify adequacy of security provided and make recommendations for improvements based on the above check list.

The Council drafted a National Radiological Theft Response Code (NRTRC) in collaboration with USDOE. Two stakeholders' meeting to review the draft were held. This NRTRC will facilities efficient and timely coordination of responses in case of a radiological security incident. This NRTRC Code was revised with stakeholders' nominees' comments and final draft was submitted to the Board of Directors of Council and arrangements made to send the Code to relevant stakeholders for final consent at the advice of Board. Comments have been received from several stakeholders and final document is being prepared.

The Council organized two workshops in cooperation with US Department Energy 's Global Material Security program for stake holders including Council's officers to train them in preparation of site security plans for relevant institutes at which physical security systems have already been installed.

Waste management and transport of radioactive sources

Waste Management

Repatriation of Spent Radioactive Sources made in United States of America (USA)

The Council were able to repatriate 53 numbers of USA made spent radioactive sources (27 of Sr-90, 03 of Am/Be-241 & 23 of Cs-137) and 07 soil moisture density gauges containing radioactive sources to Los Alamos Laboratory USA during the October 2018. This task was

coordinated by the Global Material Security (GMS) program of US Department of Energy and all expenses for international transport and disposal cost in the USA for these sources were borne by the USDOE under GSM programme. The transferring of sources into the transport containers sent by US contractor and preparation of the containers for international transport meeting IAEA Safe Transport of Radioactive Material was carried out by the officers of the Council.

At the request of the Council, Mr. Juan Carlos Benitez Navarro, expert from Source Management Unit (SMU) of the Waste Technology Section of Department of Nuclear Energy of the IAEA assisted the Council to identify & segregate the sources stored in Spent Source Storage Facility (SSSF) at Sri Lanka Atomic Energy Board. This mission was carried out from 09-11 January 2018. During the above mission, 05 numbers of soil moisture density gauges containing radioactive sources which have been collected from licence holders, were dismantled and spent sources were also segregated & stored in SSSF in the Atomic Energy Board safely & securely.



Moisture Density gauges that are ready for transportation to USA



Labelling of Radioactive Packages to meet the International Radioactive Material Transport Regulations



Preparation of radioactive sources for International Transport

Handing Over the Spent Source Storage Facility (SSSF) to Sri Lanka Atomic Energy Board

Necessary instructions were given to Sri Lanka Atomic Energy Board to prepare suitable containers for storage of radioactive sources that were required to be transferred to new SSSF belonging to SLAEB as old Central Waste Storage Facility (CWSF) belonging to the Council was due to be demolished to facilitate construction of new Kelani bridge.

The Council separated all the radioactive wastes stored at the CWSF belongs to the Council to different radionuclides and contaminated sources were identified. These contaminated sources were placed in polyethylene bags and sealed to avoid further spread of contamination.

On 02 October 2018, the Council officially handed over all remaining radioactive sources with comprehensive list of available sources (inventory of sources) to the Sri Lanka Atomic Energy Board and requested to obtain a licence as per requirements of the Act.

Security in Transport of Radioactive Materials

The Council coordinated provision of security for the high activity radioactive sources (Category 1 sources) during transport in collaboration with Special Task Force (STF) and Sri Lanka Police. Preliminary arrangements were made with STF and Police to transport 03 Cobalt -60 radiation therapy sources to be used for treatment of cancers, at Apeksha Hospital, Maharagama and Teaching Hospital, Kandy, from Bandaranaike International Airport, Katunayake to Apeksha Hospital, Maharagama and Teaching Hospital, Kandy. This transportation will be planned in January 2019.

Licences were issued before the above transportation after assessing safety and security information provided by the importer and transport company which include trustworthiness of persons attending transport and safety of vehicle and security provided to the sources during transport.

Emergency Response

In terms of section 58 of the Act, the Council is responsible for development of a National Nuclear or Radiological Emergency Management plan for responding to potential nuclear or radiological emergencies at national level and to assist and advice the Disaster Management Centre in the implementation of Emergency Management plan. The Council is also designated as the National Warning Point (NWP) and the national competent authority for communication with the IAEA as the point of contact for the Convention on Early Notification of a Nuclear Accident and the Convention on Assistance in the case of a Nuclear or Radiological Emergency.

The following activities were conducted to develop nuclear or radiological emergency preparedness and response capabilities of the Council and stakeholders.

Training related to Emergency Preparedness and Response

The Council conducted the following awareness programmes on Nuclear or Radiological Emergency Preparedness and Response.

- For Sri Lanka Army Chemical, Biological, Radiological and Nuclear Group

Venue	Dates
Embilipitiya	27 February 2018
Embilipitiya	30-31 May 2018
Vavuniya	15-16 October 2018

- For Sri Lanka Navy Chemical, Biological, Radiological and Nuclear Group

Venue	Dates
SLAERC, Kelaniya	24 April 2018
SLAERC, Kelaniya	09 October 2018

- For Sri Lanka Air Force Chemical, Biological, Radiological and Nuclear Group

Venue	Dates
Katunayake	29 March 2018
Katunayake	11-12 June 2018
Katunayake	09 August 2018
SLAERC, Kelaniya	06 September 2018



Conducting a Radiological Emergency Exercise for Sri Lanka Army CBRN group

Drafting of National Nuclear or Radiological Emergency Management plan (EMP)

Discussions were held with stakeholders to get information for drafting the National Nuclear or Radiological Emergency Management plan (Emergency Management plan) and preliminary draft was prepared in line with IAEA technical documents on emergency management. The draft Emergency Management Plan was reviewed by a committee appointed by the Council and final draft was prepared. This draft emergency Management plan was discussed with stakeholders in the meeting on 02 March 2018 to get views of stakeholders for further development of responsibilities of each stakeholder. The revised draft with stakeholder's view was sent to relevant Ministries for comments. During the period of 12-16 November 2018, the revised draft was reviewed with IAEA expert (Dr. Marjan Tkavc) and revisions were done as per his advice. At present final plan is being prepared by the Director General & Deputy Director responsible for Emergency preparedness.

Emergency Exercises

Participated in IAEA ConvEx International Emergency Response Exercises

The purpose of the ConvEx exercises is to evaluate ability and preparedness of member countries to responses to a major nuclear or radiological emergency and in particular to identify the strong and the weak areas of the emergency response arrangements and capabilities. The ConvEx (2018) has provided an opportunity to identify areas needing improvements in the national and/or international emergency response systems in events that need close cooperation among nuclear safety and nuclear security authorities.

Following 04 ConvEx exercises were conducted through IAEA International Emergency Center (IAEA-IEC) web on Nuclear or Radiological Emergencies,

- i) ConvEx -2a Exercise on 08 March 2018
- ii) ConvEx – 1b Exercise on 09 October 2018
- iii) ConvEx – 2b Exercise on 15 & 16 October 2018
- iv) ConvEx – 2c Exercise on 27 November 2018

Overall goals of these exercises are:

- To allow States and relevant international organizations to evaluate early response in a severe nuclear or radiological emergency;
- To evaluate the international emergency management system e.g. Operations Manual for Incident and Emergency Communication (IEComm), IAEA's Response and Assistance Network (RANET) and Joint Radiation Emergency Management Plan of the International Organizations (JPLAN) arrangements;
- To test direct bi-lateral/multi-lateral communications between States; and
- To identify good practices as well as areas requiring improvement that cannot be identified in national exercises.

These exercises were useful for the Council to understand IAEA communication system, and method of communication with IAEA and other countries through established IAEA - IEC WEB base communication system in case of a nuclear or radiological emergency.

Official visit of his Excellency Mr. Yukiya Amano, Director General of IAEA on 15th March 2018

His excellency Mr. Yukiya Amano, Director General of the IAEA officially visited Sri Lanka Atomic Energy Regulatory Council on 15.03.2018. A special function was held at the Sri Lanka Atomic Energy Regulatory Council (Council) with participation of all Council & SLAEB staff members on that date to honour the Director General of IAEA. The State Minister of Power & Renewable Energy and the Secretary of the Ministry also attended to this special occasion. Chairman of SLAEB delivered welcome speech and explain the objective of this memorable occasion.

Director General of the Council presented the regulatory infrastructure in Sri Lanka and activities carried out by the Council to establish licensing and inspection system to meet IAEA requirements and activities of the Council and the Ministry of Power and Renewable Energy to implement Conventions signed by Sri Lanka with the IAEA. He also stated the future assistance expected from IAEA to develop the regulatory system in Sri Lanka. The State Minister also addressed the gathering and he thanked the IAEA for supporting Sri Lanka for development of nuclear technology in various aspects.

His excellency Mr. Yukiya Amano addressing the gathering stated that IAEA always cooperate with Sri Lankan authorities to development of the nuclear technology and also, he stated that IAEA would support to Council for achieving future goals. Chairman of the council delivered vote of thank. The visit of Director General of the IAEA strengthened the bi-lateral cooperation of Sri Lanka with the IAEA.

Human Resources Development

In order to strengthen the regulatory system, it is essential to have trained and skilled persons at both licensed facilities and regulatory authority. The success of any institute also largely depends on the expertise of the employees involved in its functions. With the above intentions, training courses were conducted by the Council to radiation workers of the licensed facilities and to officers of response forces to enhance their knowledge on radiation protection and nuclear security and also opportunities were provided for staff of the Council to attend overseas and local training programmes.

Training courses and awareness programmes on Radiation Protection and Radiological Emergency Management conducted by the Council & for radiation workers from January to December 2018

No.	Topic	Venue	Date	No. of participants
01	National Training course on Radiation Protection and Quality Assurance in Diagnostic and Interventional Radiology for Radiation workers in Government hospitals	Sri Lanka Atomic Energy Regulatory Council	01.10.2018 05.10.2018	18
02	National Training Course for radiological Emergency First Responders and Emergency Team Members	Sri Lanka Atomic Energy Regulatory Council	19.12.2018 21.12.2018	36
03	National workshop on Governmental, Legal and Regulatory Framework for Nuclear Power Plants	Colombo	23.04.2018 26.04.2018	28

Training courses on Radiation Protection and Radiological Emergency Management conducted in collaboration with Special Task Force, Training School, Katukurunda, Kalutara for officers of response forces during the period under review.

Response Force	No. of Participants
Air Force	25
Police 119 Division	67
Special Task Force/Police (Presidential / Ministerial Security Divisions)	139
Special Task Force	110

Participation of Council's officials in local & foreign seminars / training programmes / workshops / meetings from January to December 2018

Foreign seminars / training programmes / workshops / meetings / conferences attended

Name of the Officer	Name of the Programme	Period	Sponsor	Country
Dr. Saman Hewamana Chairman	62 nd Regular Session of the IAEA General Conference,	17.09.2018 21.09.2018	Govt. of SL	IAEA Austria
Mr. H.L. Anil Ranjith Director General	Global workshop on the universalization of the International Convention on the suppression of Acts of Nuclear Terrorism, the Convention on the Physical Protection of Nuclear Material and its 2005 Amendment	20.03.2018 21.03.2018	UNDOC	Vienna, Austria
	International Meeting on Integrated Nuclear Security Support Plans for State Embarking on Nuclear Power	16.04.2018 19.04.2018	IAEA	Vienna, Austria
	Workshop on Additional Protocol and Safeguards Regulatory Framework for Sri Lanka Principals	30.04.2018 04.05.2018	US DOE	Bangkok Thailand
	Triennial Technical Meeting of States' Point of Contact for the Incident and Trafficking Database	08.05.2018 10.05.2018	IAEA	Vienna, Austria
	Ninth Meeting of the Representatives of Competent Authorities identified under Early Notification Convention and the Assistant Convention	18.06.2018 22.06.2018	IAEA	Vienna, Austria
	62 nd Regular Session of the International Atomic Energy Agency (IAEA) General Conference	17.09.2018 21.09.2018	Govt. of Sri Lanka	Vienna, Austria
	Participation in factory Acceptance Test of Container Scanners to be Purchased for Sri Lanka Customs	03.10.2018 08.10.2018	Sri Lanka Customs	United Kingdom
	International Conference on the Security of Radioactive Sources: The way forward for Prevention and Detection	03.12.2018 07.12.2018	IAEA	Vienna, Austria
T.H.S. Shantha Director (<i>Authorization</i>)	Seventh Meeting of the Working Group on Radioactive Source Security	23.04.2018 26.04.2018	IAEA	Vienna, Austria
	IAEA Regional Workshop on Strategy on Staffing and Training of Regulatory Bodies.	05.08.2018 09.08.2018	IAEA	Doha Qatar

Name of the Officer	Name of the Programme	Period	Sponsor	Country
Mr. U.W.K.H. De Silva Deputy Director (Authorization-Industrial Applications, Import & Export)	IAEA Open Ended Meeting of Legal and Technical Experts on Implementation of the Guidance on the Import and Export of Radiative Sources	11.06.2018 13.06.2018	IAEA	Vienna, Austria
	Technical Meeting on the Security of Nuclear and other Radioactive Material in Transport	09.07.2018 13.07.2018	IAEA	Vienna, Austria
Mr. K.N.R. Fernando Deputy Director (Inspection-Medical Applications)	IAEA Workshop on Notification Reporting and Requesting Assistance in an emergency	26.06.2018 28.06.2018	IAEA	Vienna, Austria
Mr. K.S.S. Kumara Deputy Director (Authorization-Medical Applications)	TC Regional Meeting on Establishment of an Environmental Monitoring Programme-Sampling Strategies and Dose Assessment	15.01.2018 19.01.2018	IAEA	Vienna, Austria
	Frist Coordination Meeting of the Regional Project RAS/09/089 on Strengthening Radiation Safety Infrastructure	16.04.2018 20.04.2018	IAEA	Manila Philippines
Mr. K.K.P.I.K. Kadadunna Deputy Director (Inspection – Industrial Applications, Enforcement)	Regional Train the Trainers Course on Physical of Nuclear Material and Nuclear Facilities	05.02.2018 09.02.2018	IAEA	Daejeon, Republic of Korea
	Technical Meeting on the Draft International Nuclear and Radiological Event Scale (INES) User's Manual	23.04.2018 27.04.2018	IAEA	Vienna, Austria
	Regional Workshop on Regulatory Inspection and Enforcement	05.11.2018 09.11.2018	IAEA	Ulaanbaatar, Mongolia
Mrs. C.S. Herath, Scientific Officer	Technical Meeting on the international Project on Decommissioning of Small Facilities	25.06.2018 28.06.2018	IAEA	Vienna, Austria
	Training course on “Fundamentals of non-destructive assay for international safeguards Implementation in states with limited nuclear activities	09.07.2018 13.07.2018	US DOE /NNSA	New Mexico, USA

Name of the Officer	Name of the Programme	Period	Sponsor	Country
Mrs. K.G.K.U.Gamage Scientific Officer	Interregional Workshop on Policy and Regulatory Framework for Uranium and other Naturally Occurring Radioactive Materials (NORM) in Emergency Industries	29.01.2018 02.02.2018	IAEA	Arusha, United Republic of Tanzania
	Regional Workshop on Safety Review and Assessment by the Regulatory Body	09.07.2018 13.07.2018	IAEA	Bangkok, Thailand
Mr. H.J. Premakumara Scientific Officer	Regional Workshop on Online Environmental Monitoring System	07.05.2018 11.05.2018	IAEA	Phuket, Thailand
	Nuclear Technology Seminar FY 2018 “course of Nuclear Plant Safety”	16.10.2018 09.11.2018	MEXT Japan	Tsuruga, Japan
Miss. N.P.N. Karunaratne Scientific Officer	Submission of Application for Regional Workshop on Leadership and Establishing a Management System in the Regulatory Body	09.04.2018 13.04.2018	IAEA	Shanghai, China
	Chemical Biological, Radiological, Nuclear and Explosive Commodities identification Training (CBRNE – CIT)	08.07.2018 12.07.2018	USDOE	Male Maldives
Miss. E.D.R. Prabani Legal Officer	Workshop on Additional Protocol and Safeguards Regulatory Framework for Sri Lanka Principals	30.04.2018 04.05.2018	USDOE	Bangkok, Thailand
	Regional Workshop to Promote the joint Convention on the safety of spent fuel management and on the safety of radioactive waste management.	23.10.2018 25.10.2018	IAEA	Jakarta, Indonesia
Mr. L.H.J. Kumara Scientific Officer	Postgraduate educational Course in Radiation Protection and the Safety of Radiation Sources	23.04.2018 19.10.2018	IAEA	Kajang, Malaysia
Mr. W.M.D.M. Piyaathne Scientific Officer	International Training Course on the Establishment of a Nuclear Security Regime for Nuclear Power Programme	21.05.2018 25.05.2018	IAEA	Russian Federation
	Regional Meeting in Integrated Nuclear Security Support Plans (INSSPs) States in South & East Asia	05.11.2018 08.11.2018	IAEA	Beijing, China

Name of the Officer	Name of the Programme	Period	Sponsor	Country
Mr. A.P. Madushanka Scientific Officer	Chemical, Biological, Radiological, Nuclear and Explosive Commodities Identification Training (CBRNE-CIT)	08.07.2018 12.07.2018	US DOE	Male, Maldives
	Regional Training Course on the Security of Radioactive Material in Use and Storage	20.08.2018 24.08.2018	IAEA	Tokai, Japan
Mr. W.W.R.L. Medis Scientific Officer	Training course on “Fundamentals of non-destructive assay for international safeguards Implementation in states with limited nuclear activities	09.07.2018 13.07.2018	US DOE/ NNSA	New Mexico USA

Local seminars / training programmes / workshops / meetings / conferences attended:

Name of the officer	Name of the Programme	Period	Venue	Sponsor
Mr. H.L. Anil Ranjith Director General	Workshop on Development of site security plan	16-07-2018 19-07-2018	Colombo	US DOE
	Write-up workshop of site security plan by stakeholders	24-09-2018 27-09-2018	Weligama	US DOE
Mr. T.H.S.Shantha Director (<i>Authorization</i>)	Training on installation of regulatory authority information system	02-04-2018 06-04-2018	SLAERC	IAEA
	Workshop on Development of site security plan	16-07-2018 19-07-2018	Colombo	US DOE
	Workshop on countering the financing of terrorism and proliferation of weapons of mass destruction	27-08-2018 28-08-2018	Colombo	Foreign Ministry
	Write-up workshop of site security plan by stakeholders	24-09-2018 27-09-2018	Weligama	US DOE
	International Conference on Right to information Act	28-09-2018	Colombo	Finance Ministry

Name of the officer	Name of the Programme	Period	Venue	Sponsor
Mr. U.W.K.H. De Silva Deputy Director (Authorization-Industrial Applications, Import & Export)	Training on installation of regulatory authority information system	02-04-2018 06-04-2018	SLAERC	IAEA
	Operational Conduit exercise at Bandaranayake International Air Port, Katunayake	23-04-2018 26-04-2018	Katunayake	Interpol & USDOE
	Site security plan development workshop	16-07-2018 19-07-2018	Weligama	US DOE
	Write-up workshop of site security plan by stakeholders	24-09-2018 27-09-2018	Weligama	US DOE
Mr. K.N.R.Fernando Deputy Director (Inspection-Medical Applications)	6 th Regional review meeting	06-03-2018 09-03-2018	Colombo	US DOE
	Training on installation of regulatory authority information system	02-04-2018 06-04-2018	SLAERC	IAEA
	National Workshop on Governmental legal and regulatory framework for Nuclear power programme	23-04-2018 26-04-2018	Colombo	IAEA
	Site security plan development workshop	16-07-2018 19-07-2018	Weligama	US DOE
	Write-up workshop of site security plan by stakeholders	24-09-2018 27-09-2018	Weligama	US DOE
Mr. K.S.S. Kumara Deputy Director (Authorization-Medical Applications)	Workshop on Development of site security plan	16-07-2018 19-07-2018	Weligama	US DOE
	Write-up workshop of site security plan by stakeholders	24-09-2018 27-09-2018	Weligama	US DOE
	National Workshop on Governmental legal and regulatory framework for Nuclear power programme	23-04-2018 26-04-2018	Colombo	IAEA
Mr. K.K.P.I.K.Kadadunna Deputy Director (Inspection-Industrial Applications, Enforcement)	SOP Workshop conducted by NSDD /USA	19-02-2018 21-02-2018	Colombo	NSDD/USA Custom
	6 th Regional review meeting	06-03-2018 09-03-2018	Colombo	US DOE

Name of the officer	Name of the Programme	Period	Venue	Sponsor
Mr. K.K.P.I.K.Kadadunna Deputy Director (<i>Inspection–Industrial Applications, Enforcement</i>)	Joint External Evolution Action Plan Workshop	20-03-2018 21-03-2018	Colombo	MOH/WHO
	Training on installation of regulatory authority information system	02-04-2018 06-04-2018	SLAERC	IAEA
	Site security plan development workshop	16-07-2018 19-07-2018	Weligama	US DOE
	Write-up workshop of site security plan by stakeholders	24-09-2018 27-09-2018	Weligama	US DOE
Mr. H.J.Premakumara Scientific Officer	Fundamental of Strategic Trade Control	19-02-2018 23-02-2018	Colombo	US Embassy
	Training on installation of regulatory authority information system	02-04-2018 06-04-2018	SLAERC	IAEA
	National Human Resource Development & Security	03-10-2018 10-10-2018	Colombo	Ministry of Power & Renewable Energy
	Nuclear Power Technology, Nuclear Power Education & Training	10-12-2018 12-12-2018	Colombo	Ministry of Power & Renewable
Mrs. C.S.Herath Scientific Officer	Workshop on implementation of strategic trade control in compliance with UNSCR 1540	21-03-2018 23-03-2018	Colombo	US Embassy
	Training on installation of regulatory authority information system	02-04-2018 06-04-2018	SLAERC	IAEA
	Workshop on Introduction for 19 infrastructure issues for Nuclear Power Programme development in Sri Lanka	16-07-2018 19-07-2018	Colombo	Ministry of Power & Renewable Energy
	National Workshop on Nuclear Power Technology and Nuclear Power Education and Training	10-12-2018 12-12-2018	Colombo	Ministry of Power & Renewable Energy
Mrs. K.G.K.U. Gamage Scientific Officer	Fundamental of Strategic trade Control	19.02.2018 23.02.2018	Colombo	US Embassy
	Establishing a Roadmap for the Nuclear Power Program in Sri Lanka	16.07.2018 19.07.2018	Colombo	Ministry of Power & Renewable Energy

Name of the Officer	Name of the Programme	Period	Venue	Sponsor
Mrs. K.G.K.U. Gamage Scientific Officer	Workshop on Infrastructure Issues for Nuclear Power Program Development for Sri Lanka	08.10.2018 10.10.2018	Colombo	Ministry of Power & Renewable Energy
	National Workshop on Nuclear Power Technology & Nuclear Power Education & Training	10.12.2018 12.12.2018	Colombo	Ministry of Power & Renewable Energy
	Training on installation of regulatory authority information system	02-04-2018 06-04-2018	SLAERC	IAEA
Mrs. N.P.N. Karunaratne Scientific Officer	First stakeholder's meeting on National Nuclear or radiological Emergency management Plan	02-02-2018	Colombo	SLAERC
	6 th Regional review meeting	06-03-2018 09-03-2018	Colombo	US DOE
	Training on installation of regulatory authority information system	02-04-2018 06-04-2018	SLAERC	IAEA
	National Workshop on Governmental, Legal and Regulatory Framework for Nuclear Power Programme	23.04.2018 26.04.2018	Colombo	IAEA
	1 st workshop on establishment of working group of roadmaps for NPP in Sri Lanka	16-07-2018 19-07-2018	Colombo	Ministry of Power & Renewable Energy
	Training on National Control List (EXBS)	10-09-2018 11-09-2018	Colombo	US Embassy
	2 nd workshop on establishment of working group of roadmaps for NPP in Sri Lanka	08-10-2018 10-10-2018	Colombo	Ministry of Power & Renewable Energy
	3 rd workshop on establishment of working group of Roadmaps for NPP in Sri Lanka	10-12-2018 12-12-2018	Colombo	Ministry of Power & Renewable Energy
Mr. W.W.R.L. Medis Scientific Officer	Training on installation of regulatory authority information system	02-04-2018 06-04-2018	SLAERC	IAEA
	Operational Conduit exercise at Bandaranayake International Air Port, Katunayake	23-04-2018 26-04-2018	Katunayake	Interpol & US DOE
	Strategic Trade Controls and National Control List Workshop	10-09-2018 11-09-2018	Colombo	US Embassy

Name of the Officer	Name of the Programme	Period	Venue	Sponsor
Mr. W.M.D.M.Piyarathna Scientific Officer	Bid Evaluation workshop	10-01-2018	Colombo	SLAEB
	Workshop to develop five-year national action plan for health security to strengthen the implementation of international health regulations	20-03-2018 22-03-2018	Colombo	Ministry of Health
	Training on installation of regulatory authority information system	02-04-2018 06-04-2018	SLAERC	IAEA
	Site security plan development workshop	16-07-2018 19-07-2018	Weligama	US DOE
Mr. L.H.J. Kumara Scientific Officer	Bid Evaluation workshop	10-01-2018	Colombo	SLAEB
	Training on installation of regulatory authority information system	02-04-2018 06-04-2018	SLAERC	SLAERC
Mr. A.P.Madushanka Scientific Officer	Bid Evaluation workshop	10-01-2018	Colombo	SLAEB
	Training on installation of regulatory authority information system	02-04-2018 06-04-2018	SLAERC	IAEA
	Operational Conduit exercise at Bandaranayake International Air Port, Katunayake	23-04-2018 26-04-2018	Katunayake	Interpol & US DOE
	Seminar on “Electron Beam Applications for Environmental Remediation and Advance Material Development”	08-08-2018	Colombo	SLAEB
	Strategic Trade Control and National Control list Workshop	10-09-2018 11-09-2018	Colombo	US Embassy
Mrs. D.W.M.E.T.Dissanayaka Scientific Officer	National Workshop on Governmental legal and regulatory framework for Nuclear power programme	23-04-2018 26-04-2018	Colombo	IAEA
	IAEA advance workshop on “Site Selection and Evaluation for Nuclear Power Plants”	07-05-2018 11-05-2018	Colombo	IAEA
	Seminar on “Electron Beam Applications for Environmental Remediation and Advance Material Development”	08-08-2018	Colombo	SLAEB

Name of the Officer	Name of the Programme	Period	Venue	Sponsor
Miss. E.D.R. Prabani Legal Officer	Fundamentals of Strategic Trade Controls Workshop	19.02.2018 23.02.2018	Colombo	US Embassy
	National Workshop on Governmental, Legal and Regulatory Framework for Nuclear Power Programme	23.04.2018 26.04.2018	Colombo	IAEA
	IAEA Advance Workshop on Site Selection and Evaluation of Nuclear Power Plants	08.05.2018 09.05.2018	Colombo	IAEA
	Two Roundtables and a Workshop in relation to the obligations under United Nation Security Council Resolution 1540	27.08.2018 30.08.2018	Colombo	US Embassy
	Write up workshop on site security plan by stakeholders	24.09.2018 27.09.2018	Weligama	US DOE
Mrs. A. S. Chandrasekara Accountant	Workshop on Preparation of Financial Statement	28-12-2018	Colombo	SLAERC
Mr. W.A.K.Lakshman Internal Auditor	Training on Internal Auditing Practices in the Public Sector	25-09-2018 27-09-2018	Colombo	SLAERC
Mrs. Asoka Indrani Dunusinghe Administrative Officer	Training on Board of Survey and Losses and Write offs	30-08-2018 31-08-2018	Colombo	SLAERC
Ms. R.P.M. Saduni Management Assistant	Training course on File Management and General office Administration E Code	14-08-2018 16-08-2018	Colombo	SLAERC
Ms. W.S. Linali Perera Management Assistant	Training course on Internal Auditing Practices in the Public Sector	25-09-2018 27-09-2018	Colombo	SLAERC

Mr. Saminda Jayasekara
Chairman

Sri Lanka Atomic Energy Regulatory Council

Mr. H.L. Anil Ranjith
Director General / CEO

Sri Lanka Atomic Energy Regulatory Council

**Financial Statement of
Sri Lanka Atomic Energy Regulatory Council (Council)
2018**

SRI LANKA ATOMIC ENERGY REGULATORY COUNCIL
STATEMENT OF FINANCIAL POSITION
AS AT 31ST DECEMBER 2018

(ALL AMOUNTS ARE IN SRI LANKAN RUPEES)

	Notes	2018	2017
<u>ASSETS</u>			
<u>Current assets</u>			
Cash and cash equivalent	3	7,054,177	6,262,079
Receivables	4	2,355,388	2,183,064
Inventories	5	367,242	376,816
Prepayments	6	1,990,368	270,961
		11,767,175	9,092,920
<u>Non – Current assets</u>			
Work in progress	7		684,000
Property, plant & equipment	8	59,562,808	65,676,439
Intangible Assets	8.1	526,817	66,360,439
		60,089,625	
Total assets		71,856,800	75,453,359
<u>LIABILITIES</u>			
<u>Current liabilities</u>			
Trade payables	9	(2,182,567)	(9,799,345)
Advanced income for license fees	10	(8,689,259)	(10,871,826)
<u>Non – Current liabilities</u>			
Advance income for license fees	11	(2,291,251)	
Retirement benefit obligations	12	(11,147,412)	(8,993,415)
Total Liabilities		(24,310,489)	(18,792,760)
Total net assets		47,546,311	56,660,599
<u>NET ASSETS / EQUITY</u>			
<u>Capital & Reserves</u>			
Government grant – capital	13	31,057,647	33,413,877
Capital gain	14		
Revaluation reserves	15	4,311,624	2,585,841
Accumulated Fund(related to asset&liabilities received from AEA)	16	(1,771,986)	278,251
Accumulated Fund(Council)	17	22,557,943	27,733,359
Deficit	18	(8,608,917)	(7,350,729)
Total net assets / equity		47,546,311	56,660,599

The accounting policies and notes on Pages 1 to 26 form an integral part of these Financial Statements.

We the undersigned, being the Accountant and the Director General of Sri Lanka Atomic Energy Regulatory Council certify jointly that these Financial Statements are in compliance with the requirement of the Finance Act.


Accountant


Director General

The Board of Directors is responsible for the preparation and presentation of these financial statements, the accounting policies and notes and integral part of these financial statements. Approved and signed for and on behalf of the Board of Directors of Sri Lanka Atomic Energy Regulatory Council.



Chairman



Board member

SRI LANKA ATOMIC ENERGY REGULATORY COUNCIL
STATEMENT OF FINANCIAL PERFORMANCE
AS AT 31ST DECEMBER 2018

(ALL AMOUNTS ARE IN SRI LANKAN RUPEES)

	Notes	2018	2017
Revenue	19	65,902,906	53,846,343
Other revenue	20	605,252	288,761
Total revenue		66,508,158	54,135,104
Wages, salaries and employee benefits	21	(32,815,824)	(26,237,449)
Supplies & consumable used	22	(1,690,348)	(1,364,340)
Depreciation of assets	23	(14,984,992)	(12,897,435)
Impairment of property, plant & equipment	24	(1,865,608)	(1,881,943)
Other recurrent expenditure	25	(16,409,574)	(14,856,054)
Total expenditure		(67,766,346)	(57,237,222)
Deficit for the year		(1,258,188)	(3,102,117)

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Chairman


Board member

SRI LANKA ATOMIC ENERGY REGULATORY COUNCIL
STATEMENT OF CHANGERS IN NET ASSETS / EQUITY
AS AT 31ST DECEMBER 2018

(ALL AMOUNTS ARE IN SRI LANKAN RUPEES)

	Capital grant	Capital gain	Reserves	Accumulated fund related to asset & liabilities transferred from AEA	Accumulated fund of the Council	Accumulated deficit	Total
Balance at 31st December 2016	26,190,526	105,973	2,917,740	2,901,677	4,084,932	(4,354,584)	31,846,264
Opening balance adjustments made		(105,973)				105,973	
Received for the year	12,241,000		785,800	429	27,786,659		40,813,888
Adjustments made for current year	(5,017,649)		(1,117,699)	(2,623,855)	(4,138,232)		(12,897,435)
Deficit for the year						(3,102,117)	(3,102,117)
Balance at 31st December 2017	33,413,877		2,585,841	278,251	27,733,359	(7,350,728)	56,660,599
Opening balance adjustments made							
Received for the year	4,191,000		2,933,250	18,532			7,142,782
Adjustments made for current year	(6,547,230)		(1,207,467)	(2,068,769)	(5,175,416)	(1,258,188)	(16,257,070)
Deficit for the year							
Balance at 31st December 2018	31,057,647		4,311,624	(1,771,986)	22,557,943	(8,608,917)	47,546,311

The accounting policies and notes on Pages 1 to 26 form an integral part of these Financial Statements.

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Chairman


Board member

SRI LANKA ATOMIC ENERGY REGULATORY COUNCIL

CONSOLIDATED CASH FLOW STATEMENT FOR THE YEAR ENDED 31ST DECEMBER 2018

(ALL AMOUNTS ARE IN SRI LANKAN RUPEES)

	2018	2017
<u>CASH FLOW FROM OPERATING ACTIVITIES</u>		
<u>Receipt</u>		
Sales of goods and services	15,835,950	14,715,392
Receipt of recurrent grant	38,014,000	29,000,000
Other income	516,080	210,608
Receipt of loan interest	89,172	78,153
<u>Payment</u>		
Employee cost	(29,510,580)	(23,707,173)
Suppliers	(1,606,094)	(1,277,283)
Other payments	(20,749,385)	(16,884,984)
Net cash flow from operating activities	2,589,143	2,134,712
<u>CASH FLOW FROM INVESTING ACTIVITIES</u>		
Receipt of capital grant	4,191,000	12,241,000
Property, plant & equipment	(5,789,541)	(10,718,157)
Working progress (Accounting package)		(380,000)
Net cash flow from investing activities	(1,598,541)	1,142,843
<u>CASH FLOW FROM FINANCIAL ACTIVITIES</u>		
Recovery of loans	1,063,693	781,331
Payment of loans <i>(Please see schedule 5)</i>	(1,263,700)	(1,380,000)
Net cash flow from financial activities	(200,007)	(598,669)
Net increase / decrease in cash & cash equivalent	790,595	2,678,886
Cash & cash equivalent at the beginning of the year		
Cash at bank	6,248,109	3,569,223
Stamp stock	13,969	13,985
Cash & cash equivalent at the end of the year		
Cash at bank	7,038,704	6,248,109
Stamp stock	15,473	13,969

The accounting policies and notes on Pages 1 to 26 form an integral part of these Financial Statements.

We the undersigned, being the Accountant and the Director General of Sri Lanka Atomic Energy Regulatory Council certify jointly that these Financial Statements are in compliance with the requirement of the Finance Act.



Accountant



Director General

The Board of Directors is responsible for the preparation and presentation of these financial statements, the accounting policies and notes and integral part of these financial statements. Approved and signed for and on behalf of the Board of Directors of Sri Lanka Atomic Energy Regulatory Council.



Chairman



Board member

SRI LANKA ATOMIC ENERGY REGULATORY COUNCIL
NOTES TO THE ACCOUNTS

1. SIGNIFICANT ACCOUNTING POLICIES

1.1 General

1.1.1 Basis of preparation

The financial statements comprise the statement of financial position, statement of financial performance, and statement of changes in net assets/equity, cash flow statement, statement of comparison on figures of budget and the actual amounts and notes to the financial statements. These statements have been prepared in accordance with Sri Lanka Public Sector Accounting Standards (SLIPSAS) and internally accepted policies for accrual basis of accounting. The measurement base applied is historical cost adjusted for revaluation of assets. The financial statements have been prepared on a going concern basis and the accounting policies have been applied consistently throughout the period.

1.1.2 Functional and presentation currency

The functional statements are presented in Sri Lankan Rupees which is the functional and presentation currency of the Sri Lanka Atomic Energy Regulatory Council (Council). All functional information presented in Sri Lankan Rupees has been given to the nearest thousand unless state otherwise.

1.1.3 Comparative information

The Sri Lanka Atomic Energy Regulatory Council applied the accounting practices with those used in the previous year's figures and phrases have been rearranged where ever necessary to confirm to the current year's presentation.

1.1.4 Changes in accounting policies

Accounting policies adopted are constant with those in the previous financial year.

1.1.5 Events occurring after the balance sheet date

All material events occurred after the balance sheet date has been considered and where appropriate adjustments or disclosures have been made in the financial statement.

1.1.6 Taxes

The council has not registered for VAT and hence do not collect VAT from their customers for the financial year 2018. Payee tax, Stamp duty and Income tax have been paid to the department of Inland Revenue under the TIN number which has been obtained by the council. Pay As You Earn (PAYE) tax is deducted from relevant officials from monthly earnings as per the respective circulars and remitted to DIR.

1.2 Assets and basis of their valuation

Assets classified as current assets and non-current assets in the statement of financial position. Assets classified as current assets in the balance sheet are cash and those which are expected to realize in cash, during the normal operating circle of the council within one year from the statement of financial position.

Assets other than current assets (Non- current assets) are those which the Council intends to hold beyond a period of one year from the statement of financial position.

1.2.1 Plant & equipment

The Plant & equipment are recorded at cost revaluation less accumulated depreciation. Cost of tangible property, plant & equipment is shown at cost of acquisition or constructions together with any incidental expenditure incurred in bringing the assets to its working condition for its intended use. An internal committee has been appointed by the Director General for revaluation of equipment which are fully depreciated and Board approval for the revaluation was taken. These equipment were received from the Atomic Energy Authority (AEA). Funds for acquisition of non-current assets are mainly provided by the General Treasury.

1.2.2 Intangible assts

The computer software is shown at cost less depreciation under the intangible assets.

1.2.3 Depreciation

Provision for depreciation is calculated using the straight line method on the cost or revaluation of all property, plant & equipment, in order to write-off such amount over the estimated useful economic life of such assets. Providing depreciation from the date of purchase to the date of dispose on the plant & equipment was the depreciation policy of the Council.

The rate of depreciation used on straight line methods as follows.

Office equipment, furniture & fittings	Over 10 Years	10 %
Electronic equipment	Over 04 Years	25 %
Computers, software & accessories	Over 03 Years	33.33 %
Motor vehicles	Over 04 Years	25 %
Scientific equipment	Over 10 Years	10 %
Library books	Over 10 Years	10 %

1.2.4 Inventories- basis of valuation

The cost of each category of inventory is determined on the following basis. Stock of consumables- at actual cost on first in first out method (FIFO)

1.2.5 Trade & other receivables

Trade debtors and other receivables are stated at their cost and amounts estimated to realize, inclusive of provisions for bad and doubtful debtors over 5 years. During the year Rs. 88,212.00 worth of bad debts identified from the debtor balance received from Atomic Energy Authority (AEA) has been written – off to the statement of financial performance.

1.2.6 Cash & cash equivalents

Cash flow statement has been prepared by using the direct method. Cash & cash equivalents are defined as cash at Bank and stamp stock which are easily convertible.

1.3 Liabilities and provisions

1.3.1 Retirement benefit to employees

a) Defined benefit plan

The Council policy for contribution to Employee's Provident Fund is 15% and Employee's Trust Fund is 3% as per the Act for provident fund and trust fund respectively.

Gratuity provision is made according to the gratuity Act No.12 of 1983. The liability for payment to an employee arises only after the completion of 5 years continued services. The gratuity liability is not externally funded but in order to meet this liability, a provision is carried forward in the statement of financial position, based on half month's salary and cost of living. Total liability is calculated on the basis of half month initial salary + half month cost of living as at 31st December for each employee.

1.3.2 Trade and other payable

Trade and other payables are stated at their cost and relevant taxes

1.3.3 Capital commitment and contingent liabilities

All material capital commitments of the Council are disclosed in the respective notes in the account.

1.3.4 Provisions

Provisions are recognized as Sri Lanka Atomic Energy Regulatory Council's present obligation

1.4 Differed income

1.4.1 Grant and donations

Grants and donations are credited to the income statement over the periods necessary to match them with related cost, which they are intended to be compensated in a systematic basis. Grants related to property plant & equipment, including non-monitory grants at fair values is differed in the statement of financial position and credited to the statement in financial performance over the useful life of the related assets and their remaining lease period.

Government grant

Government grant for recurrent & capital has been identified separately. Recurrent grant is the major income source & credited to the income and expenditure statement while grant for capital expenditure is taken to capital fund with due adjustment for depreciation component of fixed assets. Capital grant received from other sources are shown as differed income under non-current liability.

1.5 Statement of financial performance

Income and expenditure accounts are prepared in accrual basis.

1.5.1 Revenue and expenditure recognition

Major source of revenue is internally generated income from the services specified in the Act no 40 of 2014.

1.5.1.1 Revenue

Revenue received from operating activities was comprised with net income from regulatory services with respect to room plan approval, Import & export approval fees, miscellaneous income, license application processing fees, licence fees, transport & inspection charges, interest on loans and other receipts base on accrual concept.

1.5.1.2 Expenditure

Expenses are recognized in the statement of financial performance on the basis of a direct association between the cost incurred and the earning of the specific items of income where appropriate. All operational expenditure incurred by the Council are accounted on accrual basis.

2. CORPORATE INFORMATION

The Council was established by the Sri Lanka Atomic Energy Act No.40 of 2014. The Council is located at No.977/18, Kandy Road, Bulugaha Junction, Kelaniya.

NOTES TO THE ACCOUNTS
AS AT 31ST DECEMBER 2018

(ALL AMOUNTS ARE IN SRI LANKAN RUPEES)

		2018	2017
	<u>Current assets</u>		
3	Cash at bank		
	A/C No. 055-1001-70027110	7,038,704	6,248,110
	Stamp stock	15,473	13,969
	Balance at the end of the year	7,054,177	6,262,079
4	Receivables	2,355,388	2,183,064
	<u>Trade receivable</u>		
4.1	Debtors		
	Trade debtors - related to current year	20,000	
	(Please see schedule 1) Balance at the end of the year	20,000	
4.2	Trade debtors		
	Balance at the beginning of the year	122,289	228,773
	Settled invoice from debtors	(34,077)	(106,484)
	Bad debtors	(88,212)	
	Balance at the end of the year	122,289	
	<u>Staff & non trade receivables</u>		
4.3	Staff debtors	150,647	26,043
	(Please see schedule 2) Balance at the end of the year	150,647	26,043
4.4	Advances & Loans		
	Festival advance	10,000	20,000
	Distress loan	2,174,741	1,964,732
	(Please see schedule 3) Balance at the end of the year	2,184,741	1,984,732
4.5	Refundable deposits (receivable)		50,000
5	Inventories		
	Office, consumable, stationary & vehicles pare stock	367,242	376,816
	Balance at the end of the year	367,242	376,816
6	Prepayments		
	Western Provincial Council	21,978	13,701
	Sri Lanka Insurance Co. Ltd	1,898,441	221,603
	Office Network (Pvt) Ltd	3,075	3,075
	Metropolitan Office (Pvt) Ltd	21,009	5,750
	Soft Vision Technologies (Pvt) Ltd	9,828	
	Gestetner of Ceylon (Pvt) Ltd	15,662	
	Ceylon Business Applications (Pvt) Ltd	2,104	2,133
	Laugfs Eco Sri (Pvt) Ltd	1,131	
	Clean Co Lanka Limited	1,907	3,992
	Provincial Commissioner of Motor Traffic		5,087
	E-W Information System Ltd	15,233	15,619
	Balance at the end of the year	1,990,368	270,961

NOTES TO THE ACCOUNTS
AS AT 31ST DECEMBER 2018

(ALL AMOUNTS ARE IN SRI LANKAN RUPEES)

		2018	2017
7	Work in progress		
	Accounting software package		684,000
			<u>684,000</u>
8	Property plant & equipment		
	Property plant & equipment	59,562,808	65,676,439
8.1	Intangible Assets	526,817	
	(Please see note 8 details)		
		<u>60,089,625</u>	<u>65,676,439</u>
9	Trade payable	2,182,567	9,799,345
9.1	Creditors & Accruals		
	Balance at the beginning of the year	1,632,637	1,147,914
	Settlement during the year	(1,432,637)	(1,047,914)
	Provision for the year	1,968,116	1,532,637
	(Please see schedule 4) Balance at the end of the year	<u>2,168,116</u>	<u>1,632,637</u>
9.2	VAT payable from debtors		
		14,451	32,983
		<u>14,451</u>	<u>32,983</u>
10	Advance income for licence fees		
	(Over 1 year less than 2 years)	8,689,259	8,133,725
		<u>8,689,259</u>	<u>8,133,725</u>
11	Advance income for licence fees		
	(Over 2 years & upto 3 years)	2,291,251	
		<u>2,291,251</u>	
12	Retirement benefit obligations		
	Balance at the beginning of the year	8,993,415	7,085,745
	Add : Provision for the year	2,153,997	1,907,670
	Balance at the end of the year	<u>11,147,412</u>	<u>8,993,415</u>
	<u>Capital & Reserves</u>		
13	Capital grant		
	Balance at the beginning of the year	33,413,877	26,190,526
	Capital grant received for the year	4,191,000	12,241,000
	Application of depreciation policy	(6,547,230)	(5,017,649)
	Balance at the end of the year	<u>31,057,647</u>	<u>33,413,877</u>
14	Capital gain		
	Balance at the beginning of the year		105,973
	Received for the year		
	Opening balance adjustment made for the year		(105,973)
	Balance at the end of the year		<u></u>

NOTES TO THE ACCOUNTS
AS AT 31ST DECEMBER 2018

(ALL AMOUNTS ARE IN SRI LANKAN RUPEES)

	2018	2017
15 Revaluation reserve		
Balance at the beginning of the year	2,585,841	2,917,740
Revaluation reserve for the year	2,933,250	785,800
Disposal of equipment	(9,033)	
Application of depreciation policy	(1,198,434)	(1,117,699)
Balance at the end of the year	4,311,624	2,585,841
16 Accumulated Fund (related to asset & liabilities from AEA)		
Balance at the beginning of the year	278,251	2,901,677
Adjustment made for the year	18,532	429
Application of depreciation policy	(2,068,769)	(2,623,855)
Balance at the end of the year	(1,771,986)	278,251
17 Accumulated Fund (Council)		
Balance at the beginning of the year	27,733,359	4,084,932
Vehicle received from National Nuclear Security Administration USA		6,645,000
Received for the donation		21,141,659
Application of depreciation policy	(5,175,416)	(4,138,232)
Balance at the end of the year	22,557,943	27,733,359
18 Deficit		
Balance at the beginning of the year	(7,350,729)	(4,354,585)
Opening balance adjustment made for the year		105,973
Deficit for the year	(1,258,188)	(3,102,117)
Balance at the end of the year	(8,608,917)	(7,350,729)
19 Revenue		
Government grant recurrent	38,014,000	29,000,000
Differed revenue	14,984,992	12,897,435
Room plan approval fee	1,085,300	560,300
Import & export approval fee	2,620,250	915,500
Miscellaneous income		
Licence application processing fee	608,000	942,000
Licence fees	8,344,364	7,434,858
Transport & inspection charges	9,600	1,492,800
Lecture fees		24,150
Training course	170,000	570,000
Surcharges fees	66,400	9,300
	65,902,906	53,846,343
20 Other revenue		
Interest on loan	89,172	78,153
Other income	499,480	210,608
Disposal profit	16,600	
	605,252	288,761

NOTES TO THE ACCOUNTS
AS AT 31ST DECEMBER 2018

(ALL AMOUNTS ARE IN SRI LANKAN RUPEES)

	2018	2017
21 Wages, salaries and employee benefits		
Salaries	17,786,874	13,512,978
Employees Provident Fund	3,161,007	2,419,170
Employees Trust Fund	632,201	483,834
Adjustment allowance	652,368	1,166,423
Cost of living	3,286,509	2,614,820
Chairman allowance	342,791	356,336
Trainee allowance	149,500	504,500
Gratuity		
OT & holiday allowance	384,168	428,494
Encashment of medical leave	1,225,995	774,830
Incentive	182,706	
Gratuity for the year	2,153,997	1,907,670
Fuel allowance (Chairman, DG & Director)	1,670,285	1,738,394
Professional allowance	1,187,423	330,000
	<u>32,815,824</u>	<u>26,237,449</u>
22 Supplies & consumable used		
Fuel	585,971	427,615
Stationary & office consumable	1,084,377	920,726
Uniforms	20,000	16,000
	<u>1,690,348</u>	<u>1,364,340</u>
23 Depreciation of asset		
Depreciation on acquisition of assets	<u>14,984,992</u>	<u>12,897,435</u>
24 Impairment of property, plant equipment		
Maintenance of office building	350,417	300,639
Maintenance of office equipment, furniture & fitting	195,322	169,229
Maintenance motor vehicle & insurance	1,319,869	1,412,074
	<u>1,865,608</u>	<u>1,881,943</u>

NOTES TO THE ACCOUNTS
AS AT 31ST DECEMBER 2018

(ALL AMOUNTS ARE IN SRI LANKAN RUPEES)

	2018	2017
25 Other recurrent expenditure		
Payment for Board Members	432,000	348,000
Traveling for Board Members	255,000	213,000
Refreshment for Board Members	34,587	28,252
Staff local training programme	66,500	41,000
Incidental expenses for visiting scientist	38,142	20,513
Training programme, workshop & seminar	1,158,651	713,342
Inspection charges	201,425	157,420
Medical test for radiation workers	698,028	
Travelling	185,852	130,080
Travelling foreign (IAEA General Conference)	1,774,823	2,340,118
Transportation	108,837	80,986
Postal charges	190,916	204,769
Water	46,880	44,572
Building rent	6,210,000	6,210,000
Telephone	858,914	640,053
Internet & Fax	296,951	345,051
Electricity	1,090,019	1,000,759
Insurance	1,117,228	1,166,246
Audit fees	200,000	100,000
Advertisement & Publicity	147,775	173,190
Subscription newspapers	25,890	24,700
Printing & Publication	310,327	566,332
Staff welfare	338,954	171,610
Stamp duty	5,000	2,500
Miscellaneous expenses	28,857	128,822
Disposal of unusable assets		
Expenditure of IAEA DG visit	489,021	
Income tax	10,785	4,738
Bad Debtors	88,212	
	16,409,574	14,856,054

PROPERTY PLANT & EQUIPMENT – NOTE NO 8

TANGIBLE ASSETS NOTE

(ALL AMOUNTS ARE IN SRI LANKAN RUPEES)

	Life of the asset	Balance as at 01.01.2018	Adjustment made	Revaluation	Additions	Transfer	Disposal	Balance as at 31.12.2018
PROPERTY, PLANT & EQUIPEMT								
Scientific equipment	10	43,646,339	(9,199,364)	2,705,000	5,022,600	(690,000)		41,484,575
Scientific equipment donation	10	37,704,960	(245,543)	130,000				37,589,417
Office equipment / furniture & fittings	10	5,385,388	(35,694)	7,500			(13,635)	5,343,559
Motor vehicles	4	22,140,000						22,140,000
Library books	10	4,271			1,090			5,361
Computer items & software package	3	3,977,378	(464,967)	83,000	227,700			3,823,111
Electronic items	4	3,153,562	(35,450)	7,750	462,151			3,588,013
TOTAL ASSETS VALUE		116,011,898	(9,981,018)	2,933,250	5,713,541	(690,000)	(13,635)	113,974,036

INTANGIBLE ASSET – NOTE NO 8.1

Software package	3				760,000			760,000
TOTAL ASSETS VALUE					760,000			760,000

DEPRECIATION

	%	As at 01.01.2018	Adjustment made	Revaluation	Depreciation for the year	Transfer	Disposal	As at 31.12.2018	WDV as at 31.12.2018
DEPRECIATION									
Scientific equipment	10	21,449,261	(9,199,357)		3,177,816	(690,000)		14,737,721	26,746,854
Scientific equipment donation	10	14,822,979	(245,543)		3,589,173			18,166,609	19,422,808
Office Equipment / furniture & Fittings	10	1,215,257	(35,689)		531,249		(5,042)	1,705,775	3,637,784
Motor vehicles	25	8,945,555			5,535,000			14,480,555	7,659,445
Library books	10	868			525			1,393	3,968
Computer items & software package	33.33	2,318,472	(464,962)		1,090,300			2,943,810	879,301
Electronic items	25	1,583,066	(35,447)		827,746			2,375,365	1,212,647
TOTAL DEPRICIATION		50,335,458	(9,980,998)		14,751,810	(690,000)	(5,042)	54,411,228	59,562,808

INTANGIBLE ASSET

Software package	33.33				233,182			233,182	526,817
TOTAL DEPRICIATION					233,182			233,182	526,817

BOOK VALUE

	2018
INTANGIBLE ASSET-NOTE NO 8.1	526,817
PROPERTY PLANT & EQUIPMENT-NOTE NO 8	59,562,808
	60,089,625

DISCLOSURE TO ACCOUNTS

1. Advance income for license fees

The income received in 2018 on account of licence fee of 2019 and onward has been accounted as advance income for license fees. Income received in advance for a period over one year but not exceeding two years should be shown as current liability and income received in advance for a period over two years but not exceeding three years as non current liability. Total advance income for licences fee accounted as under the statement of financial position.

2. Delay charges of capital items

The Council follows National Procurement Agency (NPA) guidelines for procurement. As per the condition of contract the Council has claimed liquidity damages from the relevant supplier under following manner for the delay in supplying the equipment.

Name of the supplier	Equipment	Contract amount	Delay	Deducted (%)	Amount claimed
Bhoomi Tech (Pvt) Ltd	Portable Air Sampler	1,522,600.00	20 weeks	10% (1 % Per week)	152,260.00
Photon Technologies (Pvt) Ltd	Digital Personal Dosimeters	3,500,000.00	02 weeks	8% (1 % Per week)	280,000.00
Total claim amount (Rs.)					432,260.00

Total claimed amount is accounted as other income under the statement of financial performance.

3. Issuing invoices

As per the decision taken in the Audit and Management committee meeting held on 28.04.2016 the Council does not provide services on credit basis. Service income has been accounted base on Tax invoices. As per the Board decision Pro – forma invoice is being issued at the beginning of the service with effect from June 2016.

4. Income tax

The computation of income tax is based on the interest income received from loans for the taxable period

5. Property , plant & equipment

Fully depreciated equipment value amounting to Rs.9,980,996.97 which were included in the tangible asset have been revaluated by the committee of three internal officers appointed by the Director General on 06th June 2016. At the revaluation committee considered the purchased cost, market price and future economic life time of the assets. The revaluation report was submitted to the Board of Management and its meeting held on 17.08.2018. The Board approved the revaluation report and instructed to implement with effect from 01.10.2018. The revalued asset amounting to Rs.2,933,250.00 and revaluation reserve amounting Rs.2,933,250.00 have been shown under property plant and equipment and revaluation reserve respectively in the financial position statement. Revaluation of asset and fully depreciated asset are as follows.

List of revaluation of assets

Item No.	Item	AEA code	Code given by the Council	Qty.	Revalue amount	Total
1	Steel Glass Cupboard	AEA/B5/LS/49	SGC – AERC/B4/SGC/5	1	3,500.00	7,500.00
2	Computer Chair (Small)	AEA/B4/SSR/22	CC – AERC/AEB/B1/CC(Small)1	1	1,000.00	
3	Computer Chair (Big)	AEA/B4/ERS1/19	CC – AERC/AEB/B1/CC(Big)1	1	2,000.00	
4	Computer Table	AEA/B12/COM/32	CT – AERC/AEB/B2/CT/1	1	500.00	
		AEA/B12/COM/27	CT – AERC/AEB/B2/CT/3	1	500.00	
5	Laptop	AEA/BA/LTC/3	L – AERC/AEB/C1/LTC/3	1	20,000.00	83,000.00
		AEA/BA/LTC/4	L – AERC/AEB/C1/LTC/4	1	20,000.00	
		AEA/BA/LTC/5	L – AERC/AEB/C1/LTC/5	1	20,000.00	
		AEA/BA/LTC/6	L – AERC/AEB/C1/LTC/6	1	20,000.00	
6	CPU, Monitor, Key Board, Speakers	AEA/C10/80	CMKS –AERC/AEB/C1/2	1	3,000.00	
7	Printer	AEA/C34/1009	P – AERC/AEB/C2/4	1	5,000.00	7,750.00
8	Calculator	AEA/C4/P.SC/29	C – AERC/AEB/C4/P.SC/29	1	250.00	
9	Padestal Fan	AEA/C19/P/30	PF – AERC/AEB/C3/PF/6	1	2,500.00	

List of revaluation of assets

Item No.	Item	Item	Model No.	Serial No.	Qty.	Revalue amount	Total		
10	Scientific Equipment	Digital personal dosemeter for nutrons (Aloka)	PDM 313	C0651	1	60,000.00	2,705,000.00		
11		Digital personal dosemeter for nutrons (Aloka)	PDM 313	C0662	1	60,000.00			
12		Digital personal dosemeter for X - rays (Aloka)	PDM 317	C2988	1	44,000.00			
13		Digital personal dosemeter for X - rays (Aloka)	PDM 317	C2989	1	44,000.00			
14		Digital personal dosemeter for X - rays (Aloka)	PDM 317	C2990	1	44,000.00			
15		Digital personal dosemeter for X - rays (Aloka)	PDM 317	C2991	1	44,000.00			
16		Digital personal dosemeter for X - rays (Aloka)	PDM 317	C2992	1	44,000.00			
17		Portable iron chamber survey meter (Victoreen)	451P-DE-SI-RYR	1566	1	115,000.00			
18		Portable iron chamber survey meter (Victoreen)	451P-DE-SI-RYR	1581	1	115,000.00			
19		Portable iron chamber survey meter (Victoreen)	451P-DE-SI-RYR	719	1	115,000.00			
20		Saphymoteledetetor	6112M-H	123147	1	324,000.00			
21		Transport case			1	18,000.00			
22		Earphones			1	7,200.00			
23		3m long cable			1	10,800.00			
24		Target identifinder (MCA gamma spectroscopy)	Identifider	3573-27	1	460,000.00			
25		Saphymo digital dose rate meter	6150AD6	120317	1	192,000.00			
26		Contamination probe	6150AD17	113963	1	192,000.00			
27		Contamination probe	6150AD-K	123443	1	192,000.00			
28		Beta gamma liquid sample probe	6150AD19	112477	1	192,000.00			
29		Scinitillation probe	6150AD-3	123875	1	192,000.00			
30		1.25m cable			1	9,600.00			
31		Transport case for6150AD-K			1	9,600.00			
32		10m cable			1	9,600.00			
33		Shapymoprotableteledetector	6150AD-I	123243	1	192,000.00			
34		Transport case for 6150AD-T			1	9,600.00			
35		Handle extention, length 80 com for 6150AD			1	9,600.00			
36		Scientific Equipment Donation	Personal alarm dose meter	RAD60	246111	1		32,500.00	130,000.00
37			Personal alarm dose meter	RAD60	246112	1		32,500.00	
38			Personal alarm dose meter	RAD60	246115	1		32,500.00	
39			Personal alarm dose meter	RAD60	246113	1		32,500.00	
Total								2,933,250.00	

List of fully depreciated assets

Item No.	Date of purchase	Item	AEA code	Code given by the Council	Qty.	Fully dep. asset as at 01.01.18	Total
Office equipment, furniture & fittings							
1	28.09.2007	Steel Glass Cupboard	AEA/B5/LS/49	SGC – AERC/B4/SGC/5	1	12,302.50	35,694.19
2	25.09.1998	Computer Chair (Small)	AEA/B4/SSR/22	CC – AERC/AEB/B1/CC(Small)1	1	5,001.69	
3	2006	Computer Chair (Big)	AEA/B4/ERS1/19	CC – AERC/AEB/B1/CC(Big)1	1	6,490.00	
4	30.12.2005	Computer Table	AEA/B12/COM/32	CT – AERC/AEB/B2/CT/1	1	5,950.00	
	30.12.2005		AEA/B12/COM/27	CT – AERC/AEB/B2/CT/3	1	5,950.00	
5	30.08.2013	Laptop	AEA/BA/LTC/3	L – AERC/AEB/C1/LTC/3	1	102,500.00	464,967.00
	31.08.2013		AEA/BA/LTC/4	L – AERC/AEB/C1/LTC/4	1	102,500.00	
	01.09.2013		AEA/BA/LTC/5	L – AERC/AEB/C1/LTC/5	1	102,500.00	
	11.09.2014		AEA/BA/LTC/6	L – AERC/AEB/C1/LTC/6	1	92,850.00	
6	30.09.2005	CPU, Monitor, Key Board, Speakers	AEA/C10/80	CMKS – AERC/AEB/C1/2	1	64,617.00	35,450.00
7	21.06.2013	Printer	AEA/C34/1009	P – AERC/AEB/C2/4	1	23,500.00	
8	19.04.2011	Calculator	AEA/C4/P.SC/29	C – AERC/AEB/C4/P.SC/29	1	1,650.00	
9	13.07.2013	Padestal Fan	AEA/C19/P/30	PF – AERC/AEB/C3/PF/6	1	10,300.00	

List of fully depreciated assets

Item No.	Date purchase	Item	Item	Model No.	Serial No.	Qty.	Fully dep. Asset as at 01.01.18	Total
10	04.04.2007	Scientific Equipment	Digital personal dosemeter for nutrons (Aloka)	PDM 313	C0651	1	374,600.00	9,199,362.71
11			Digital personal dosemeter for nutrons (Aloka)	PDM 313	C0662	1		
12	04.04.2007		Digital personal dosemeter for X - rays (Aloka)	PDM 317	C2988	1	356,500.00	
13			Digital personal dosemeter for X - rays (Aloka)	PDM 317	C2989	1		
14			Digital personal dosemeter for X - rays (Aloka)	PDM 317	C2990	1		
15			Digital personal dosemeter for X - rays (Aloka)	PDM 317	C2991	1		
16			Digital personal dosemeter for X - rays (Aloka)	PDM 317	C2992	1		
17	17.04.2007		Portable iron chamber survey meter (Victoreen)	451P-DE-SI-RYR	1566	1	693,017.16	
18			Portable iron chamber survey meter (Victoreen)	451P-DE-SI-RYR	1581	1		
19	26.04.2007		Portable iron chamber survey meter (Victoreen)	451P-DE-SI-RYR	719	1	342,018.00	
20	05.09.2007		Saphymoteledetector	6112M-H	123147	1	1,119,658.00	
21			Transport case			1		
22			Earphones			1		
23			3m long cable			1		
24	18.09.2006		Target identifinder (MCA gamma spectroscopy)	Identifider	3573-27	1	2,257,533.00	
25	29.12.2006		Saphymo digital dose rate meter	6150AD6	120317	1	4,056,036.55	
26			Contamination probe	6150AD17	113963	1		
27			Contamination probe	6150AD-K	123443	1		
28			Beta gamma liquid sample probe	6150AD19	112477	1		
29			Scintillation probe	6150AD-3	123875	1		
30			1.25m cable			1		
31			Transport case for6150AD-K			1		
32			10m cable			1		
33			Shapymoprotableteledetect or	6150AD-I	123243	1		
34			Transport case for 6150AD-T			1		
35			Handle extention, length 80 com for 6150AD			1		
36	13.06.2005	Scientific Equipment Donation	Personal alarm dose meter	RAD60	246111	1	245,543.07	245,543.07
37			Personal alarm dose meter	RAD60	246112	1		
38			Personal alarm dose meter	RAD60	246115	1		
39			Personal alarm dose meter	RAD60	246113	1		
Total								9,981,016.97

SCCHEDULE – 01**DEBTORS AS AT 31.12.2018**

Date	Invoice No.	Institution	Description	Invoice Value
03.12.2018	4425	Sri Lanka Air Force, Diyathalawa	LAPF	2,000.00
03.12.2018	4426	Sri Lanka Air Force, Palaly	LAPF	2,000.00
03.12.2018	4427	Sri Lanka Air Force, Ampara	LAPF	2,000.00
03.12.2018	4428	Sri Lanka Air Force Base, Rathmalana	LAPF	2,000.00
03.12.2018	4429	Sri Lanka Air Force Academy, China-Bay	LAPF	2,000.00
03.12.2018	4430	Sri Lanka Air Force Hospital, Colombo	LAPF	2,000.00
03.12.2018	4431	Sri Lanka Air Force Base, Anuradhapura	LAPF	2,000.00
03.12.2018	4432	Sri Lanka Air Force Base, Vavuniya	LAPF	2,000.00
03.12.2018	4433	Sri Lanka Air Force, Ekala	LAPF	2,000.00
03.12.2018	4434	Sri Lanka Air Force Base, Katunayake	LAPF	2,000.00
Total				20,000.00

SCHEDULE – 2**STAFF DEBTORS**

No.	Name	Amount
1	Mrs.L.K.A.S.Chandrasekara	3,800.00
2	Mr.W.A.K.Lakshman	3,800.00
3	Mr.H.L.AnilRanjith	3,800.00
4	Mr.E.R.Premasiri	7,177.37
5	Mrs.A.A.D.I.Dunusinghe	3,800.00
6	Mr.N.S.A.Piyatissa	3,800.00
7	Mr.T.H.S.Shantha	3,800.00
8	Mr.U.W.K.H.de Silva	3,800.00
9	Mrs.N.N.Baduge	3,800.00
10	Mr.K.N.R.Fernando	9,284.89
11	Mr.K.K.P.I.K.Kadadunna	3,800.00
12	Mr.K.S.Shantha Kumara	3,800.00
13	Mr.K.A.D.T.Jayaruwan	3,800.00
14	Mrs.C.S.Herath	3,800.00
15	Mrs.K.G.K.U.Gamage	5,485.14
16	Miss.N.P.N.Karunarathne	3,300.00
17	Mr.H.J.Premakumara	3,800.00
18	Miss.E.D.R.Prabani	3,800.00
19	Mr.P.A.D.I.P.Abeyrathne	3,800.00
20	Mr.U.K.D.G.D.Udawatta	3,800.00
21	Mr.A.P.Madushanka	3,800.00
22	Mr.W.W.R.L.Medis	3,800.00
23	Mrs.N.P.W.D.D.D.Rodrigo	3,800.00
24	Mrs.D.W.M.E.T.Dissanayake	3,800.00
25	Mr.W.M.D.M.Piyarathna	3,800.00
26	Mr.L.H.J.Kumara	3,800.00
27	Mrs.K.T.T.Dilrukshi	3,800.00
28	Mr.J.M.C.Ekanayake	3,800.00
29	Mr.A.B.A.S.Nishantha	3,800.00

30	Miss.W.S.L.Perera	3,800.00
31	Miss.B.D.N.M.Kumari	3,800.00
32	Miss.R.P.M.Sanduni	3,800.00
33	Miss.K.C.Lavanthi	3,800.00
34	Mrs.K.L.T.Dilhani	3,800.00
35	Miss.P.P.R.S.Geethani	3,800.00
36	Mrs.P.D.ImalkaRupasinghe	3,800.00
37	Miss.M.I.T.de Silva	3,800.00
Total		150,647.40

SCHEDULE – 3

ADVANCE & LOANS – FESTIVAL ADVANCE& DISTRESS LOAN

No.	Name	Amount	Total
Festival advance			
1	Mr.N.S.A.Piyatissa	10,000.00	
			10,000.00
Distress loan			
1	Mr.K.K.P.I.K.Kadadunna	31,249.98	
2	Mr.W.A.K.Lakshman	46,874.97	
3	Mr.K.S.Shantha Kumara	41,666.64	
4	Mr.K.N.R.Fernando	46,874.97	
5	Mrs.K.G.K.U.Gamage	72,915.88	
6	Mr.E.R.Premasiri	67,141.62	
7	Mr.K.D.T.Jayaruwan	48,343.75	
8	Mrs.C.S.Herath	104,166.60	
9	Mr.L.H.J.Kumara	145,833.24	
10	Mrs.N.P.W.D.D.D.Rodrigo	145,833.24	
11	Mr.N.S.A.Piyatissa	145,833.24	
12	Mrs.N.N.Baduge	151,041.57	
13	Mrs.A.A.D.I.Dunusinghe	166,666.56	
14	Mrs.K.T.T.Dilrukshi	155,340.58	
15	Mr.J.M.C.Ekanayake	159,428.49	
16	Mr.A.P.Madushanka	203,124.87	
17	Miss.P.D.I.Rupasinghe	202,821.52	
18	Mr.H.J.Premakumara	239,583.18	
			2,174,740.90
Total			2,184,740.90

SCHEDULE – 4**TRADE PAYABLE – CREDITORS & ACCRUALS**

No.	Name	Amount
1	Office Staff - Encashment of Medical Leave	1,225,995.25
2	Office Trainee - Trainee Allowance	9,000.00
3	Income Tax Department -Stamp Duty	1,975.00
4	City Auto Services (Pvt) Ltd - Fuel & Lubricant	25,531.19
5	Office Staff - Holiday payments & Overtime	18,980.21
6	Sri Lanka Telecom PLC – Telephone	44,542.53
7	Mobitel (Pvt) Ltd – Telephone	26,230.33
8	Dialog Axiata PLC – Telephone	5,947.68
9	Dialog Broadband Networks (Pvt) Ltd – Telephone	10,842.25
10	Office Staff - Travelling	1,350.00
11	Sri Lanka Atomic Energy Board - Maintenance of office building	33,500.88
12	Sri Lanka Atomic Energy Board - Internet, Email & Fax	17,245.91
13	Sri Lanka Atomic Energy Board - Electricity	81,164.53
14	Sri Lanka Atomic Energy Board - Water	3,897.04
15	H.R.AnuraJayasiri - Salary Control A/C	9,413.23
16	Ceylon Motor Works Services (Pvt) Ltd - Maintenance of office vehicle & Insurance	252,500.00
17	Auditor General Department - Audit Fees	400,000.00
Total		2,168,116.03

SCHEDULE – 5**PAYMENT OF LOANS – DISTRESS LOAN & FESTIVAL ADVANCE**

No.	Name	Amount	Total
Distress loan			
1	Mrs.K.T.T.Dilrukshi	196,220.00	
2	Mr.J.M.C.Ekanayake	196,220.00	
3	Mr.A.P.Madushanka	250,000.00	
4	Miss.P.D.I.Rupasinghe	221,260.00	
5	Mr.H.J.Premakumara	250,000.00	1,113,700.00
Festival advance			
1	Mrs.L.K.A.S.Chandrasekara	10,000.00	
2	Mr.W.A.K.Lakshman	10,000.00	
3	Mrs.A.I.Dunusinghe	10,000.00	
4	Mr.N.S.A.Piyatissa	10,000.00	
5	Mrs.N.N.Baduge	10,000.00	
6	Mr.K.K.P.I.K.Kadadunna	10,000.00	
7	Mr.K.A.D.T.Jayaruwan	10,000.00	
8	Mrs.K.G.K.U.Gamage	10,000.00	
9	Miss.E.D.R.Prabani	10,000.00	
10	Mr.P.A.D.I.P.Abeyrathne	10,000.00	
11	Mr.W.W.R.L.Medis	10,000.00	
12	Mrs.N.P.W.D.D.D.Rodrigo	10,000.00	
13	Mr.L.H.J.Kumara	10,000.00	
14	Mrs.K.T.T.Dilrukshi	10,000.00	
15	Mr.A.B.A.S.Nishantha	10,000.00	150,000.00
Total			1,263,700.00

SRI LANKA ATOMIC ENERGY REGULATORY COUNCIL

Statement of comparison figures of budget and the actual amounts – 2018

Code	Description	Budget		Expenditure as at 31.12.2018		Variation	Remarks
	Recurrent expenditure						
	Personal emoluments		29,411,000		28,607,374		
02/01	Salaries & Wages	18,062,000		17,786,874		275,126	
02/01A	Trainee allowance	150,000		149,500		500	
02/02	Employees Provident Fund	3,217,000		3,161,007		55,993	
02/03	Employees Trust Fund	644,000		632,201		11,799	
	Other allowances						
02/05	Cost of living	3,385,000		3,286,509		98,491	
02/04	Adjustment allowance	693,000		652,368		40,632	
02/06	Chairman's allowance	450,000		342,791		107,209	
02/08	Medical encashment	1,300,000		1,225,995		74,005	
02/09	Incentive	200,000		182,706		17,294	
02/11	Professional allowance	1,310,000		1,187,423		122,577	
	Over time & Holiday Payment						
02/07	OT & Holiday payments	500,000	500,000	384,168	384,168	115,832	
	Travelling expenses		2,100,000		1,960,675		
03//01	Travelling expenses (Local)	300,000		185,852		114,148	
03//02	Travel allowance (Foreign)	1,800,000		1,774,823		25,177	
	Supplies & Requisites		4,185,000		3,351,059		
03/03	Stationery office requisites & Consumables	950,000		1,074,803		(124,803)	Due to national training programme conducted by the Council.
03/04	Fuel & Lubricants	1,250,000		585,971		664,029	
03/04A	Fuel allowance (Chairman, Director General & Director)	1,960,000		1,670,285		289,715	
03/05	Uniform	25,000		20,000		5,000	.

	Repairs & Maintenance Expenditure		2,250,000		1,943,742		
03/06	Vehicles maintenance & Insurance	1,350,000		1,357,884		(7,884)	Since vehicle are old unexpected expenses had to be made for repairs.
03/07	Maintenance of office buildings	300,000		350,417		(50,417)	Price increased of maintenance charges.
03/07A	Maintenance of office equipment	600,000		235,441		364,559	
	Contractual services		15,284,000		13,692,306		
03/08	Transportation	150,000		108,837		41,163	
03/09	Postal charges	350,000		190,916		159,084	
03/10	Telephone	1,000,000		858,914		141,086	
03/11	IDD, Fax, Email & Internet	500,000		296,951		203,049	
03/12	Electricity	1,200,000		1,090,019		109,981	
03/13	Water	50,000		46,880		3,120	
03/14	Building rent	6,210,000		6,210,000			
03/15	Insurance	3,200,000		2,758,501		441,499	
03/16	Audit	200,000				200,000	
03/17	Legal	9,000				9,000	
03/18	Advertisement	250,000		147,775		102,225	
03/19	Subscription news papers	30,000		25,890		4,110	
03/20	Printing & Publication	300,000		310,327		(10,327)	No. of translations have to be done.
03/21	Debit tax & Bank charges	5,000				5,000	
03/22	Staff welfare	440,000		338,954		101,046	
03/23	Stamp duty & Taxes	10,000		15,785		(5,785)	Tax rate increased.
03/24	Miscellaneous	100,000		28,857		71,143	
05/02	Loans & Advance	1,280,000		1,263,700		16,300	
	Other payments		3,770,000		3,373,354		
01/01	Payment for the Board, Audit & Management member	510,000		432,000		78,000	
01/02	Traveling for Board, Audit & Management members	255,000		255,000			
01/03	Refreshment for Board, Audit & Management members	35,000		34,587		413	
01/04	Staff local training programs	71,000		66,500		4,500	
01/05	Incidental expenses for visiting scientists	50,000		38,142		11,858	

01/06	Training programmes, workshops & seminars	1,400,000		1,158,651		241,349	
01/07	Inspection charges	250,000		201,425		48,575	
01/08	Medical test for radiation works	710,000		698,028		11,972	
01/09	Expenditure for the visit of IAEA DG	489,000		489,021		(21)	Due to price escalation.
	Total recurrent expenditure		57,500,000		53,312,678		

The accounting policies and notes on Pages 1 to 26 form an integral part of these Financial Statements.

We the undersigned, being the Accountant and the Director General of Sri Lanka Atomic Energy Regulatory Council certify jointly that these Financial Statements are in compliance with the requirement of the Finance Act.


Accountant


Director General

The Board of Directors is responsible for the preparation and presentation of these financial statements, the accounting policies and notes and integral part of these financial statements. Approved and signed for and on behalf of the Board of Directors of Sri Lanka Atomic Energy Regulatory Council.


Chairman


Board member



ජාතික විගණන කාර්යාලය
தேசிய கணக்காய்வு அலுவலகம்
NATIONAL AUDIT OFFICE



මගේ අංකය
எனது இல.
My No.

POE/B/SLAERC/FA/2018

ඔබේ අංකය
உமது இல.
Your No.

දිනය
திகதி
Date

2019 මැයි 09 දින



අධ්‍යක්ෂ ජනරාල්

ශ්‍රී ලංකා පරමාණුක බලශක්ති නියාමන සභාව

ශ්‍රී ලංකා පරමාණුක බලශක්ති නියාමන සභාවේ 2018 දෙසැම්බර් 31 දිනෙන් අවසන් වර්ෂය සඳහා වූ මූල්‍ය ප්‍රකාශන පිළිබඳව 2018 අංක 19 ජාතික විගණන පනතේ 12 වන වගන්තිය ප්‍රකාර විගණකාධිපති වාර්තාව

මාගේ සමාංක හා 2019 අප්‍රේල් 12 දිනැති ලිපියට යොමුවේ.

02. ඉහත සඳහන් ලිපිය සමඟ එවන ලද මාගේ වාර්තාවේ ඉංග්‍රීසි හා දෙමළ අනුවාද මේ සමඟ එවා ඇත.

එස්.එම්.ඩී.එස්.එස්. රෝශිත

නියෝජ්‍ය විගණකාධිපති

විගණකාධිපති වෙනුවට

පිටපත් : 1. ලේකම්, විදුලිබල බලශක්ති හා ව්‍යාපාර සංවර්ධන අමාත්‍යාංශය

2. ලේකම්, මුදල් අමාත්‍යාංශය



POE/B/SLAERC/FA/2018

12 April 2019

Director General

Sri Lanka Atomic Energy Regulatory Council

Report of the Auditor General on the Financial Statements of the Sri Lanka Atomic Energy Regulatory Council for the year ended 31 December 2018 in terms of section 12 of the National Audit Act No. 19 of 2018

1 Financial Statements

1.1 Opinion

The audit of financial statements of the Sri Lanka Atomic Energy Regulatory Council for the year ended 31 December 2018 comprising the statement of Financial Position as at 31 December 2018 and the statement of financial performance, statement of changes in equity and statement of cash flows for the year then ended and notes to the financial statements and summary of significant accounting policies was carried out under my direction in pursuance of provisions in Article 154(1) of the Constitution of the Democratic Socialist Republic of Sri Lanka read in conjunction with Section 12 of the National Audit Act, No 19 of 2018. My comments and observations, which I consider should be published with the Annual Report of the Council in terms of Section 12 of the National Audit Act appear in this report. My report to Parliament in pursuance of provisions in Article 154(6) of the Constitution will be tabled in due course.

In my opinion, the accompanying financial statements give a true and fair view of the financial position of the Council as at 31 December 2018 and of its financial performance and its cash flows for the year then ended in accordance with Sri Lanka Accounting Standards.

1.2 Basis for Opinion

I conducted my audit in accordance with Sri Lanka Auditing Standards (SLAuSs). My responsibilities, under those standards are further described in the Auditor's Responsibilities for the Audit of the Financial Statements section of my report. I believe that the audit evidence I have obtained is sufficient and appropriate to provide a basis for my opinion.

1.3 Responsibilities of Management and Those Charged with Governance for the Financial Statements

Management is responsible for the preparation of financial statements that give a true and fair view in accordance with Sri Lanka Accounting Standards and for such internal control as the management determines is necessary to enable the preparation of financial statements that are free from material misstatements, whether due to fraud or error.

In preparing the financial statements, management is responsible for assessing the Council's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless management either intend to liquidate the Council or to cease operations, or has no realistic alternative but to do so.

Those charged with governance are responsible for overseeing the Council's financial reporting process.

As per section 16 (1) of the National Audit Act No. 19 of 2018, the Council is required to maintain proper books and records of all its income, expenditure, assets and liabilities, to enable annual and periodic financial statements to be prepared of the Council.

1.4 Auditor's Responsibilities for the Audit of the Financial Statements

My objective is to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatements, whether due to fraud or error, and to issue an auditor's report that includes my opinion. Reasonable assurance is a high level of

assurance, but is not guarantee that an audit conducted in accordance with Sri Lanka Auditing Standards will always detected a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these financial statements.

As a part of an audit in accordance with Sri Lanka Auditing Standards, I exercise professional judgment and maintain professional scepticism throughout the audit. I also:

- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for my opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Council's internal control.
- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by the management.
- Conclude on the appropriateness of the management's use of the going concern basis of accounting and based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the Council's ability to continue as a going concern. If I conclude that a material uncertainty exists, I am required to draw attention in my auditor's report to the related disclosures in the financial statements or, if such disclosures are inadequate, to modify my opinion. My conclusions are based on the audit evidence obtained up to the date of my auditor's report. However, future events or conditions may cause the Council to cease to continue as a going concern.

- Evaluate the overall presentation, structure and content of the financial statements, including the disclosures, and whether the financial statements represent the underlying transactions and events in a manner that achieves fair presentation.

I communicate with those charged with governance regarding, among other matters, significant audit findings, including any significant deficiencies in internal control that I identify during my audit.

2. Report on Other Legal and Regulatory Requirements

As required by Section 6(1)(d) and Section 12 of the National Audit Act No, 19 of 2018, I state the followings:

- a. The basis of opinion and scope and limitations of the audit are as stated above.
- b. In my opinion:
 - I have obtained all the information and explanation that required for the audit and as far as appears from my examination, proper accounting records have been kept by the Council.
 - The Financial statements of the Council is in consistence with the preceding year.
 - Includes the recommendations made by me in the previous year.
 - Nothing has come to attention that causes me to believe any direct or indirect interest in any contracts have been entered into by the council.
- c. Audit issues, limited to matters that are material on the following are stated in this report.
 - Complaining with any applicable written law or other general or special directions issued by the governing body of the Council.
 - Performed according to its powers functions and duties.
 - Procured and utilized the resources economically, efficiently and effectively within the time frames and in compliance with the applicable laws.

2.1 Non Compliance with written laws rules or other general or special provisions issued by the parties those who charged with Governance

According to the paragraph 2 of the Public Enterprises Circular No. 95 dated 14 June 1994, benefits which were specifically approved by the Ministry of Public Administration or the Treasury should be paid with the approval of Board of Governance. However contrary to that requirement and only on the approval of the Board of Directors, a total sum of Rs. 228,200 as Rs. 70,780 and Rs. 157,420 in the years 2016 and 2017 respectively had been paid to the officers who had engaged in supervision of radiation protection. Even though this had been reported in the previous year audit report, without paying attention to that, a sum of Rs. 201,425 had been paid during the year under review in the same way.

2.2 Compliance with Council's powers, functions and duties

2.2.1 Under performance of duties in accordance with the objectives of the Act.

- a) In accordance with the section 10 of the Sri Lanka Atomic Energy Act No.40 of 2014 the objectives of the establishment of the Sri Lanka Atomic Energy Regulatory Council can be mentioned as,
- According to the Section 10 (a) to establish requirements for the protection of persons and the environment against risks associated with exposure to ionizing radiation and for the safety and security of sources and facilities, as appropriate.
 - According to the Section 10 (b) to take all appropriate steps to ensure the protection of persons and the environment from harmful effects due to any source, nuclear material and other radioactive material and ensure the security of such material and facilities.

The functions of the Council for achieving above objectives had been shown under the Section 10 of the Sri Lanka Atomic Energy Act No.40 of 2014. Appropriate steps had not been taken by the Council adequately to confirm the compliance with provisions of paragraph (d) of the Section properly and empower the rules and regulations established under the Act and conditions of the licenses issued. Examples are given below.

- (i) Although standard licenses should be obtained by the private hospitals of the Island for governing and monitoring of procedures in connection with ionizing radiation associated with those hospitals, six instances were observed in a sample physical test carried out in 20 private hospitals in 3 districts that x-ray services had been carried out without obtaining license.
- (ii) The equipment used by the Council in inspection programme implemented to ensure whether the licensed institutions are comply with the conditions specified in license issued should be calibrated. However 25 out of 39 equipment used for measuring radiation dose rate and 23 out of 25 equipment used for measuring radiation dose had not been calibrated.
- (iii) Although inspection programmes had been planned during the year under review to be carried out in 26 institutions without prior notice to confirm whether those institutions were comply with the conditions which should be full filled in issuing licenses , only 3 institutions had been inspected. Accordingly an adequate inspection had not been carried out to assure whether the institutions obtained licenses had been complied with the rules indicated in those licenses.
- (iv) It was observed that 28 institutions with the licenses issued by the Council according to the Radiation Protection Regulations No.1 of 1999 had not used Thermo Luminescence dosimeter (TLD) cards

b) National Nuclear Radiological Emergency Response Plan

In the National Disaster Operation Plan, according to the Section 58 of the Sri Lanka Atomic Energy Act No. 40 of 2014, the “National Nuclear Radiological Emergency Response Plan” should be prepared by the Sri Lanka Atomic Energy Regulatory Council as the identified National Technical Institutions when responding to a nuclear or radiological emergency in the National Disaster Operation Plan. Even though this had been included in the action plan since the year 2016, actions relating to prepare the Emergency Response Plan had not been completed even up to the end of the year under review.

2.3 Procurement and utilization of resources economically, efficiently and effectively within the time frames and in compliance with the applicable laws.

2.3.1 Management and Operations inefficiencies

a) Annual Action Plan

According to the action plan for the year 2018, the performance of the Council is as follows.

- Formulation of Rules and Regulations

Although activities relating to formulation of rules in connection with the radiation level of the imported food, regulations on ionizing radiation protection and regulations on security of radioactive sources should be completed during the year under review, only the initial drafts had been prepared.

- Although it had been planned to present the final draft for preparation of a National Policy in connection with radioactive waste management to the Ministry during the year 2018, it was remained in the preparing stage of the initial draft even up to the end of the year.

b) Non- compliance with Operational System

Under the section 11 (a) of the Act No.40 of 2014, issuing of license for monitoring and controlling of ionizing radiation to the relevant institutions is done by the Sri Lanka Atomic Energy Regulatory Council. In the sample physical test carried out in respect of 8 institutions in Badulla district which had been issued license, it was observed that, details mentioned in X- ray machines installed in 3 institutions were not matched with the details mentioned in the license.

c) Maintaining a National Register including Sources

An equipment system valued at Rs. 2,138,525 including the software named Regulatory Authority Information System (RAIS) had been donated by the International Atomic Energy Institution in the year 2017 for maintaining a register including data relating to radioactive materials and radiation accessories used in Sri Lanka. Collection of data for the 205 institutes of which the license had been issued should be maintained by this software. However data relating to 30 institutions had only been included in the data collection of this software.

2.3.2 Issuing Motor vehicle license on concessionary basis

The first license had been obtained by 5 officers of the Council in one to six years before the due date which was entitled to the motor vehicle license on concessionary basis. However actions had not been taken by the Accounting Officer for rectification in this regard as per the Financial Regulations 128 (1) (o).

The Director General of the Council had expressed his idea in this regard as follows.

Our institution is satisfied with the agreement entered into in the Supreme Court by the Attorney General who had appeared on behalf of several institutions including the Atomic Energy Authority and Ministry of Finance for the case No. SC.FR.662/2010 which had been filed by an employee of the Atomic Energy Authority against to the

Atomic Energy Authority in the year 2010 for keeping him in the salary code 2006 JMI 1 and according to that agreement there was no error in giving licenses. Hence there was no possibility to take any other actions in this regard.”

However in the year 2016 agreement had been made by the Atomic Energy Board to keep the officer in the salary code MM with effect from 01 January 2006. Hence the case had been withdrawn by the plaintiff. When making agreement with the plaintiff by the Board, agreement of all respondent had not been obtained and action had been taken only the decision of the Board of Directors without obtaining the approval of the Department of Management Services. Accordingly it was not observed in audit that the Board of Directors had act as to secure the rights of the Government.

Further the suit which had been made the agreement in the year 2016 was not a suit filed in connection with issuing motor vehicle license on concessionary basis and issuing motor vehicle license on concessionary basis had been taken place before the agreement of the suit.

2.4 Other Significant Audit Observations

2.4.1 The progress of achieving Sustainable Development Goals

- a) The Council could not fulfil the outstanding physical and human resources which should be required to achieve sustainable development objectives and goals for the Atomic Energy Regulatory Council even up to 15 February 2019.
- b) Although provision had been made as Rs. 48 Million for the year 2018 for issuing license and test checks programmes, it was observed that there were delays in supervision of radiation which should be carried out in remote areas due to unavailability of (cles) required to get improved activities planned under the sustainable developmadequate provision for providing physical facilities (purchasing vehicles and hiring vehient.
- c)

2.4.2 Systems and Controls

Deficiencies in systems and controls observed during the course of audit were brought to the notice of the Director General of the Council from time to time. Special attention is needed in respect of the following areas of control.

Areas of Systems and Controls	Observations
Compliance with laws rules regulations and circulars	Non compliance with laws rules regulations and circulars
Functions for achieving objectives of the Council	Actions not being taken to achieve objectives of the Council

Auditor General

Comments on Report of the Auditor General

Report of the Auditor General on the Financial Statements of Sri Lanka Atomic Energy Regulatory Council for the year ended 31 December 2018 in terms of Section 12 of the Audit Act, No. 19 of 2018.

I am herewith kindly informing our clarifications and remedial actions taken on the above observations as given below.

2. Report on Other Legal and Regulatory Requirements

2.1 Non-compliances with Laws, Rules, Regulations, and Management Decisions

The relevant information and clarifications in this regard were already submitted by my report No. SLAERC/IA/17 dated 09.11.2018. Accordingly, since this decision taken by the Board of Directors on 23.02.2015 to provide continuous services to the general public by maintaining smooth operations of the Council, it was acted in line with that decision. Further, this was discussed at the meeting of the Board of Directors lengthily and the opinion of the Board of Directors in this regard was that, this payment is much needed to ensure the safety of public health by continuing the field inspection on radiation protection.

Similarly, obtaining accommodation facilities in some remote areas is much difficult and it was further reported to the Board of Directors that in some emergency instances, the field inspections are being conducted without any pre arrangements. Therefore, the instruction to stop this payment was not yet received to me. Accordingly, this payment is continued by considering the necessity of conducting field inspections.

2.2.1 Activities adequately not performed in accordance to the Objectives of the Act.

- (a) It was submitted to you a detailed comment in this connection by my letter of even number dated 12.03.2019. Further, this matter was examined by our inspectors and it is kindly informed that, according to their observations the information relating to license and machineries are correct.
- (i) The Unannounced Inspections are being conducted in several areas of the Island by the Council in order to find out the organizations which using x-ray machines without obtaining licenses and it had been found out 26 such organizations in the year 2018. Subsequently actions were taken to bring those organizations under the regulative control. As a result, those organizations are taken initiatives to obtain the license from the Council. Further actions will be taken to continue this inspection to enable to identify such originations if any in the Island. Accordingly, it will be provided license to those organizations in future. It is hereby informed that, necessary actions with regard to 06 originations which pointed out by your report are being taken by the Council at present.

- (ii) As majority of the equipment used by the Council to carry out inspections are new, the necessity for calibration does not arise. However, the equipment that should be calibrated has been submitted to the Atomic Energy Board and they were calibrated according to availability of financial provisions.
- (iii) Given the priority to deploy the inspectors to inspect the new organizations which applied for obtaining license was the main reason for failed to complete the additional inspection as scheduled. Further, an approval was sought from the Department of Management Services to recruit 04 inspectors newly as available inspectors are not adequate even for issuing of licences. However, the approval thereof was not received even up to 31.12.2018. Further, this list has been prepared to find out whether the organizations which obtained the license are complied or not with the conditions in the license and these inspections are carried out when the inspectors visited to those places for the purpose of issuing licenses. Hence, it is unable to give priority for this kind of inspections. However, it will take actions to inspect the remaining places as listed out above in forthcoming years.
- (iv) It was instructed the all organization by the Council about obtaining the Thermo-luminescent Dosimeter (TLD) cards and accordingly there was an improvement in obtaining the TLD cards. However, actions will be taken once again to issue a warning letter to all the organizations with regard to obtaining TLD cards.

(b) National Nuclear Radiological Emergency Response Plan

The first draft of the National Nuclear Radiological Emergency Response Plan” prepared and reviewed by an expert of the International Atomic Energy Agency. According to the advice given by the expert of the International Atomic Energy Agency, it will be presented for approval within first two quarter of the year 2019 after completing the draft.

2.3.1 Operating Review

Performance

(a) Annual Action Plan

All clarification about the performance of the Council as per the Action Plan for the year 2018 had been submitted to you by my letter dated 06.03.2019 under the title of “making Regulations and Laws” and it is informed that the action will be taken to complete above activities in the forthcoming years.

(b) Non-Compliance with Operational System

Attention was paid in this connection and it was cleared that the number mentioned in the license and the X-ray machine is similar. However, it is planned to pay attention in this regard and make necessary action accordingly.

(c) **Maintenance of National Register with Radiation Sources.**

Inserting data through the Regulatory Authority Information System (RAIS) was organized and commenced during the month of May 2018. Accordingly, the data relating to approximately 30 organizations had been included as at December 2018.

The Scientific Officers of the Council are involving this activity without disturbing their day to day works and it is not possible to allocate employees separately for this purpose due to shortage of officers in the Council. Further, in case of some institutions, there are lot of radioactive sources data to be included in the system (example: Ansel Lanka Ltd. And Sri Lanka Gemma Centre) and it was taken considerable amount of time to include those data. In addition to that, a separate list (Word Document) of radioactive sources is also maintaining by us in updated manner. According, we have a national register of radioactive sources.

2.3.2 Issuing of Vehicle Permit on Concession Basis

The clarifications submitted to you in this regard on 06.03.2019 is still in valid. Additional clarification is as follows.

The Council is satisfied with the agreement entered into in the Court by the Lawyer who representing several organizations including Atomic Energy Authority, Ministry of Finance etc. and according to that agreement, it is not confirmed any errors in the course of issuing permits. Hence, please note that there is no possibility to take any further action in this regard.

2.4.1 Progress on Achievement of Substantiable Development Goals.

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- (a) the required building facilities with adequate spaces are not available for Council since commencement of the Council on 01.01.2015. Although a request was made to the Sri Lanka Atomic Board for long ago to obtain required spaces, it was unable to obtained such required spaces yet. This situation has been brought to the notice of the General Treasury in the year 2016, 2017, 2018 and 2019 through the Ministry of Power, Energy and Business Development by requesting financial provisions. However, required financial provisions had not been provided yet.

We informed the Ministry by requesting grand with us an extent of 12,000 square feet at the III stage of "Sethsiripaya" Building to resolve this problem. However, we have aware that this request could not be succeeded until the year 2022.

Under this situation we have no way to obtain additional spaces that required for smooth operation of the Council and again will be taken to bring this matter for the attention of the Ministry.

Action already have been taken to purchase 05 computers during this year in order to solve the physical resources shortage.

We have understood that we needed an additional cadre of 04 Scientific Officers, 01 Driver, 02 Management Assistants and a Deputy Director (Administration) in addition to these 04 vacant posts. However, this has not approved even up to 31 December 2018 and no fund has been provided for this purpose. Further, it is not possible to recruit the additional cadre even though the additional cadre approved due to insufficient office spaces. Nevertheless, it have been

planned to take necessary action in this regard and it is expected that it will be possible to achieve these goals accordingly.

- (b) It was informed to the Department of National Budget through the Ministry for obtaining required vehicles to perform the activities of issuing licence and conducting the field inspections. It was further request that either the provide 02 vehicles or provide financial provision to purchase two vehicles newly. However, no favorable response has been received yet thereon and as such action will be taken to make another request for obtaining necessary financial provision.

In addition to that, arrangement will be made to obtain two vehicles on rental basis in order to rectify this problem and this will be forwarded to the Board of Directors for their approval.

2.4.2 Systems and Controls

Attention had been paid in this connection and it is expected to take necessary actions by obtaining proper instructions from the Board of Directors.

- (a) Comply with Laws, Rules, Regulations and Circular Instructions
- (b) Activities for achievement of Objectives of the Council

Thank You.

Yours faithfully



H.L. Anil Ranjith
Director General

Sri Lanka Atomic Energy Regulatory Council