

Ref :

Date : 10/03/2018

To,
The Members,
Indian Association for Radiation Protection,
Radiation Safety System Division,
BARC, Mumbai – 400085.

AUDIT – REPORT

We have audited the Balance Sheet of Indian Association for Radiation Protection, as on 31st March, 2017 and the Income & Expenditure Account for the year ended on that date and report that, subject to our general remarks annexed hereto:

1. We have obtained all information and explanation, which to the best of our knowledge and belief were necessary for the purpose of our audit.
2. In our opinion, proper books of accounts as required by the Bombay Public Trust Act, 1950 have been maintained by the association in the manner so required so far as it appears from the examination of their books.
3. The Balance Sheet and the Income & Expenditure Account dealt with by this report are in agreement with the books of accounts.
4. In our opinion and to the best of our information and according to the explanations given to us the said accounts give a true and fair view :
 - A) In the case of the Balance Sheet of the state and affairs of the Association as on 31st March, 2017 and
 - B) In the case of Income & Expenditure account of the excess of Income over Expenditure for the year ended 31st March, 2017.

For LAX & PAT
Chartered Accountants



(Signature)
(P.T.Janardhanan)

INDIAN ASSOCIATION FOR RADIATION PROTECTION

Balance Sheet as on 31st March 2017

Previous Year (Rs.)	Liabilities	Current Year (Rs.)	Current Year (Rs.)	Previous Year (Rs.)	Assets	Current Year (Rs.)	Current Year (Rs.)
	IARP Fund						
6,07,784	As Per Last Balance Sheet	6,07,784		830	Medals on Hand		830
	Add: Life Membership Fee	28,100	6,35,884				
					Cash & Bank Balances		
	A.K.Ganguly Felicitation Fund			1,08,456	Cash In Hand	35,625	
50,162	As Per Last Balance Sheet	50,162		520	Cash In Hand (National Con..)	520	
	Accretions of Interest	3,762	53,925	19,681	SBI - A/c No.6076/33845	21,256	
				67,817	SBI - A/c No.6069/33787	94,619	
	ARG Ayyangar Award Fund			4,103	SBI - A/c No.0235	87,171	
3,75,783	As Per Last Balance Sheet	3,75,783		1,22,291	SBI - A/c NO.3466171611	6,41,136	
	Accretions of Interest (including refund)	28,184	4,03,966	16,58,937	Punjab National Bank -A/c No.444762	10,76,700	
				1,42,84,153	Fixed Deposit (Including Accrued Interest)	1,61,69,419	1,81,26,446
	A.K.Ganguly Oration Award Fund						
7,29,529	As Per Last Balance Sheet	7,29,529					
	Accretions of Interest	54,715	7,84,243				
	Fund for Training Course on Radiation Safety				Deposits		
39,64,293	As Per Last Balance Sheet	39,64,293		-	TDS AY. 2016-17	1,48,314	
	Accretions of Interest (including refund)	2,97,322	42,61,615	-	TDS AY. 2017-18	1,99,067	3,47,381
					Sundry Debtors		
	P R Kamath's Radiation Environmentalist Award Fund				Trainees		55,767
46,954	As Per Last Balance Sheet	46,954			Fixed Assets		
	Accretions of Interest	3,522	50,476		751	Printer & Pen Drive - GCTC	301
					14	Computer PAP	6
2,20,749	As Per Last Balance Sheet	2,20,749		1,749	Computer for General Training Courses	699	
	Accretions of Interest	16,556	2,37,306	17	Multimedia Projector & Pen Drive	7	
				7,848	Printer	3,139	
	Fund Accumulated for PAP, RPE Journal, Theme Meetings & Workshops			3,30,424	Survey Meter	3,96,360	4,00,512
98,53,050	As Per Last Balance Sheet	98,53,050		2,03,320	Receivables for Training Program		
	Accumulated during the Year	-	98,53,050				
	General Reserve						
1,26,224	As Per Last Balance Sheet		1,26,224				
	Outstanding Expenses						
20,000	O/s Accounting Charges	25,000					
22,950	O/s Audit Fees	25,000					
18,288	O/s Professional Charges	18,288					
1,76,989	Service Tax Payable	1,92,691					
7,820	DA/TA Payable	7,820	2,68,799				
	Income & Expenditure A/c						
5,90,335	Opening Balance	5,90,335					
	Current period	16,65,113	22,55,448				
1,68,10,910			1,89,30,935	1,68,10,910			1,89,30,935

As per our report of even date
For Lax & Pat
Chartered Accountants

(P.T. Janardhanan)

Date: 10/3/2018

Place: Mumbai



For Indian Association For Radiation Protection

(Secretary)

(Treasurer)

(President)

(Member Trustee IARP)

INDIAN ASSOCIATION FOR RADIATION PROTECTION
Income & Expenditure Accounts for the Year Ended 31st March 2017

Previous Year (Rs.)	Expenditure	Current Year (Rs.)	Previous Year (Rs.)	Income	Current Year (Rs.)
98,963	To IRPA Membership fees	30,128		Trust General Receipts	
86,310	To Conveyance and Travelling	9,974	37,67,471	By Radiation Safety Training Courses Fees	32,75,359
24,95,207	To International Conference	-	77,000	By Advertisement	25,000
17,21,620	To Training Exp.	12,54,929	24,08,499	By Receipts For International Conference	-
3,593	To Postage & Tele	1,194	14,074	By UTI Dividend	870
40,852	To Public Awareness Program	85,381	39,352	By Savings Bank Interest	46,669
12,317	To Telephone Chs	10,359	11,77,661	By Fixed Deposit Interest	12,12,838
5,042	To Bank Charges	705	56,615	By Life Membership Fees	28,100
-	To Web expenses	17,250	-	By IARP NC 2014	80,000
17,250	To Audit Fees	25,000	-	By Other Income	35,815
10,000	To Accounting Charges	25,000			
4,85,983	To Service Tax Paid	4,50,928			
73,878	To Depreciation	55,791			
	Workdshop on GSR Part 3	2,52,101			
16,819	To Misc Exp.	33,479			
3,95,005	To RPE Journal Charges	3,55,159			
20,77,833	To Excess of Income Over Expenditure c/d	20,97,273			
75,40,672		47,04,651	75,40,672		47,04,651
56,615	To IARP Fund - Life Membership Fees	28,100	4,755	By Balance b/d	-
3,716	To A.K.Ganguly Felicitation Fund	3,762	20,77,833	By Surplus for the year	20,97,273
27,836	To A R Gopal Ayyangar Award Fund	28,184			
54,039	To A.K.Ganguly Oration Award Fund	54,715			
2,93,651	To Fund for Training Course on Radiation Safety	2,97,322			
3,478	To P R Kamath's Radiation Environmentalist Awa	3,522			
16,352	To Shri A Nagaratnam Oration Award Fund	16,556			
4,30,961	To Income accumulated for PAP, RPE Journal, Th	-			
6,05,605	To TDS of A.Y 2010-11 to A.Y 2015-16	-			
5,90,335	To Balance c/d	16,65,113			
20,82,588		20,97,273	20,82,588		20,97,273

As per our report of even date

For Lax & Pat
Chartered Accountants

(P.T. Janardhanan)

Date: 10/3/2018

Place: Mumbai



[Signature]
(Secretary)

[Signature]
(Treasurer)

[Signature]
(President)

[Signature]
(Member Trustee IARP)

Ref :

To,
The Members,
Indian Association for Radiation Protection,
Radiation Safety System Division,
BARC, Mumbai – 400085.

**GENERAL REMARKS ANNEXED TO AND FORMING PART OF AUDIT
REPORT OF EVEN DATE**

1. Life Membership Fees:

The life membership fee received during the year amounting to Rs.28,100/- has been capitalized by crediting to Trust Fund A/c.

2. Cash Balances:

The Cash Balance as on 31-03-2017 stood at Rs.36,145/-. We have not physically verified this balance as on 31st March, 2017.

3. Bank Balances:

The Bank Balance as on 31-03-2017 stood at Rs.19,57,027/-. We have verified the bank balances shown in the books with the balances shown in the Bank pass book and the balances have been reconciled wherever necessary. Maintaining huge balances in savings and current account results in loss of interest to the trust.

4. Receivables:

In Training Program there is balance of Rs. 55,767/- receivable from Trainees during the year.

5. Outstanding Expenses:

Outstanding expenses during the year amounted to Rs.268799 consisting of Rs.25,000/- towards Accounting Charges, Rs.25,000/- towards Audit Fees, and Rs.18288.00/- towards Professional Charges, Rs.1,92,691/- towards Service Tax Payable and Rs.7820/- Daily Allowance/Travelling Allowance to program co-ordinators Payable respectively.

6. Income & Expenditure:

Excess of Income over expenditure Rs.16,65,113/- after transferring accumulations to ear marked funds.

7. FD's in Bank:

Fixed Deposit stands at Rs.1,61,69,419/- (including accrued interest thereon) as at the end of the year.



LAX & PAT
CHARTERED ACCOUNTANTS
P.T.JANARDHANAN
F.C.A.

Shop No.7, Assisi Nagar,
P. L. Lokhande Marg,
Chembur, Mumbai – 400043.
Tel. No.25552161


Ref :

Date :

8. The trust is required to utilize the accumulated funds earmarked in the earlier years for PAP / RPE Journal / theme Meeting of workshops within the Statutory period of 5 years from the end of the year in which the amounts were accumulated.
9. The Trust has received UTI Dividend of Rs. 870/- . However the UTI investments is not reflected in the Balance Sheet .
10. Previous year figures has been regrouped wherever necessary.

For LAX & PAT
Chartered Accountants




(P.T.Janardhanan)

INDIAN ASSOCIATION FOR RADIATION PROTECTION

Fixed Deposit With State Bank of India as on 31-03-2017

Date of Deposit	FD No.	Period	Maturity Date	Rate of Interest	Deposit Amount	Maturity Amount	Balance as on 01-04-16	Gross Interest	TDS	Net Interest	Balance as on 31-03-17
22/07/2016	35940674947	35 Mths	22/06/2019	7.50%	1000000	1242091	0	52771	52771	5277	47494.00
22/07/2016	35840675612	35 Mths	22/06/2019	7.50%	1000000	1242091	0	52771	52771	5277	47494.00
22/07/2016	35940676183	35 Mths	22/06/2019	7.50%	1000000	1242091	0	52771	52771	5277	47494.00
06/02/2017	36519033599	36 Mths	06/02/2020	6.50%	1000000	1213408	0	9860	9860	986	1008874.00
06/02/2017	36519034413	36 Mths	06/02/2020	6.50%	1000000	1213408	0	9860	9860	986	1008874.00
06/02/2017	36519035155	36 Mths	06/02/2020	6.50%	1000000	1213408	0	9860	9860	986	1008874.00
06/02/2017	36519035972	36 Mths	06/02/2020	6.50%	1000000	1213408	0	9860	9860	986	1008874.00
06/02/2017	36519036307	36 Mths	06/02/2020	6.50%	1000000	1213408	0	9860	9860	986	1008874.00
27/09/2016	36127776541	35 Mths	27/08/2019	7.25%	1000000	1233226	0	37600	37600	3760	1033840.00
27/09/2016	36127765700	35 Mths	27/08/2019	7.25%	1000000	1233226	0	37600	37600	3760	1033840.00
17/11/2014	32038528779	36 Mths	17/11/2017	8.75	640766	830755	700518	64474.00	64474.00	6447	758545.00
27/03/2014	31813444239	1000 Days	21/12/2016	9.00	1880775	2398713	2071118	157861.00	157861.00	15786	0.00
17/11/2014	32038606873	36 Mths	17/11/2017	8.75	640766	830755	700518	64474.00	64474.00	6447	758545.00
17/11/2014	32038529320	36 Mths	17/11/2017	8.75	640766	830755	700518	64474.00	64474.00	6447	758545.00
07/04/2014	30522239816	1000 Days	01/01/2017	9.00	321474	410102	353872	27862.00	27862.00	2786	0.00
24/01/2014	33610548744	36 Mths	24/01/2017	9.00	1000000	1306050	1102536	89502.00	89502.00	8950	0.00
23/09/2015	30902508733	36 Mths	23/09/2018	7.25	763338	946957	822808	58882.00	58882.00	5888	875802.00
23/09/2015	30902509077	36 Mths	23/09/2018	7.25	763338	946957	822808	58882.00	58882.00	5888	875802.00
08/04/2014	30525794822	1000 Days	02/01/2017	9.00	482188	615124	530775	41378.00	41378.00	4138	0.00
08/04/2014	30525866196	1000 Days	02/01/2017	9.00	321457	410081	353848	27892.00	27892.00	2789	0.00
08/04/2014	30525864484	1000 Days	02/01/2017	9.00	482188	615124	530775	41378.00	41378.00	4138	0.00
02/04/2015	30729361252	36 Mths	02/04/2018	8.50	402418	517919	437629	38092.00	38092.00	3809	471912.00
02/04/2015	30729362029	36 Mths	02/04/2018	8.50	402418	517919	437629	38092.00	38092.00	3809	471912.00
02/04/2015	30729363894	36 Mths	02/04/2018	8.50	402418	517919	437629	38092.00	38092.00	3809	471912.00
02/04/2015	30729361693	36 Mths	02/04/2018	8.50	402418	517919	437629	38092.00	38092.00	3809	471912.00
02/04/2013	32917670456	3 YRS	02/04/2016	8.75	500000	648251	646808	1475.00	1475.00	148	0.00
02/04/2013	32917985423	3 YRS	02/04/2016	8.75	500000	648251	646808	1475.00	1475.00	148	0.00
02/04/2013	32917674778	3 YRS	02/04/2016	8.75	500000	648251	646808	1475.00	1475.00	148	0.00
10/06/2013	33949193547	3 YRS	10/06/2016	8.75	400000	518601	509369	10916.00	10916.00	1092	0.00
10/06/2013	33649199287	3 YRS	10/06/2016	8.75	400000	518601	509369	10916.00	10916.00	1092	0.00
10/06/2013	33849192555	3 YRS	10/06/2016	8.75	400000	518601	509369	10916.00	10916.00	1092	0.00
							15058646.00	1169413.00	116954.00	1052472.00	16169419.00



Annual Report of the IARP for the year 2016-17

Dear Members

The IARP Executive Committee conveys greetings to all members. The IARP activities were continued during the period under this report which included publication of the journal "Radiation Protection and Environment", organizing extensive training programmes related to safety in applications of radiation and radioisotopes in industry, nucleonic gauges, public awareness programmes, seminar, executive committee meetings, etc. These activities are briefly outlined here.

1. The IARP's 'Radiation Protection and Environment' (RPE) journal:

Publication of Radiation Protection and Environment (RPE), the quarterly journal of IARP was continued with the able help of the RPE Editorial Board. The printing and distribution of the journal to the IARP life members has been entrusted to M/s. Medknow publications. In order to ensure, easy access, the RPE journal has been made available on-line. It was decided to print about 300 copies of the journal for distribution to interested members who have updated their addresses. Four issues of the Radiation Protection and Environment, Vol. 39 (issues 2- 4) were published during the period. Nearly Rs. 3.65 lakhs was spent towards publication of RPE journal issues.

The Editorial Board would like to place on record its appreciation of the retired and serving experts from DAE facilities, universities and from abroad, who have contributed to the journal in terms of peer reviewing of the papers. Senior members of the IARP who would like to serve as reviewers may register themselves at the site: www.journalonweb.com/rpe. All IARP members and the readers are requested to contribute to the journal in terms of original papers, reviews, and materials for publication in News and Information Section of the journal. The submission of manuscripts for publication in the journal can be done online (www.iarp.org, www.journalonweb.com/rpe).

2. Technical meeting on the "Implementation of requirements of planned exposure situations of International BSS – GSR part 3"

A technical meeting on the "Implementation of requirements of planned exposure situations of International BSS – GSR part 3" was organized during March 2-4, 2017 at HS&EG Auditorium, CT&CRS, Anushaktinager, Mumbai. More than 100 participants including officers from NRB, NRG, IGCAR, KARP, PREFRE, and NPCIL sites, BARC Safety Council and AERB. BSS–GSR Part 3 provides an integrated and consistent set of safety requirements which establishes requirements that should be met to ensure the protection of people and the environment from radiation exposure both now and in the future. Shri S.A.Bhardwaj Chairman, Atomic Energy Regulatory Board inaugurated the meeting. Shri Y.K.Taly, Chairman, BARC Safety Council delivered the keynote address. Director, HSEG,

IGCAR and AD, HS&EG, BARC also graced the occasion and delivered lectures highlighting the importance of the technical meeting. The meeting was scheduled in four technical sessions, and various experts from DAE delivered lectures on related thematic topics on the BSS – GSR Part 3. The expert lecturers included Dr. P.C. Kesavan, M.S. Swaminathan Research Foundation (MSSRF), Chennai, Dr. Venkatesh Rangarajan, Tata Memorial Centre (TMC), Dr.C.P. Kaushik, Dr. B.S.Rao, Dr. M.S.Kulkarni, Dr. D.D.Rao to name a few. Lectures on various topics such as LNT, justification in medical exposures, review status of implementation of BSS requirements in various exposure situations, waste management techniques, and operational radiation protection aspects of reprocessing plants and accelerators were given by respective experts from the field. On March 4, a panel discussion was also conducted in which several panel experts from AERB, BARC interacted with the participants on issues relating to eye lens dosimetry, radiological issues related with contractor employees, and justification of medical exposures.

3. Financial Support

IARP provided financial assistance of Rs. 25,000/- to Navi Mumbai Science Foundation for conducting a half day seminar on “World Nuclear Day – 2016” on 2nd of Dec 2016, the anniversary of the first criticality of the first reactor constructed by the famous American Scientist Enrico Fermi. The program was jointly organized by Navi Mumbai Science Foundation (NMSF), Karmaveer Bhaurao Patil College (KBPC) in association with and Maharashtra Academy of Sciences and IARP supported it as a part of its public awareness program Shri Shri Swapnesh Kumar Malhotra, Secretary, Atomic Energy Education society and former Head, Public Awareness Division, BARC spoke about "The Public Perceptions About Atomic Energy and Radiation". On behalf of IARP, Dr.S.Murali, talked about radiation safety in nuclear fuel cycle operations. Members of IARP arranged demonstration of radiation measuring instruments and safety equipment for the benefit of participating students.

4. Public Awareness Programme (PAP)

On several instances, concerns on radiation safety and protection of occupational workers & public from radiation are expressed in the media due to lack of awareness. To address this issue, IARP has been conducting public awareness programmes (PAP) all over India to place facts on nuclear safety and remove myths about ionizing radiation. In continuation of this effort, IARP has carried out the following activities during 2016-2017.

- i) A one day program on peaceful applications of Radiation was arranged at the Department of Physics, Fergusson College, Pune on 11th February 2017. Three lectures were delivered during this program. The topics of the talk were Fundamentals of atomic energy, Radiation and Environment and Atoms for peace. Dr. K. P. Muthe, Dr.Yatin Thakur and team presented an innovative Skit "Kum mai hai dum" which was one of the attractions of the workshop. Radiation Monitoring Instruments were demonstrated in batches to all the students. The workshop was also attended by both Undergraduate and Postgraduate students and teachers of nearby colleges. There was a very good turnout of students in spite of exams in the colleges.

- ii) A Public awareness program on “Peaceful Applications of Radiation “ was organized at Girijabhai Sail Institute of Technology (GSIT), Karwar, U.K. District, Karnataka on 27th March, 2017 and Government Arts and Science College, Karwar, on 28th March, 20017 in collaboration with NPCIL, Kiaga. The lectures included “Fundamentals of Atomic Energy, Radiation and Environment”, “Atoms for Peace”. A skit “Kum Mai Hai Dum” was also presented to the students. The program was attended by about 360 students.
- iii) IARP conducted a student awareness programme at “Pandit Deendayal Petroleum University”, Gandhinagar on 30th March 2017. The programme was also supported by ESL, Kakrapar and Centre for Liberal Studies, Pandit Deendayal Petroleum University, Gandhinagar. The seminar was attended by 450 students & faculty members of different departments of the said University. The Seminar consisted of four lectures on. “Nuclear and Radiological safety”, “Indian Nuclear Power programme”, “Radiation- A Fact of Life and Environment Impact Assessment around Kakrapar Gujarat Site” and “DAE-Societal Benefit”. The functioning of various radiation measuring instruments was demonstrated to the students. As a part of practical demonstration, students were asked to measure background radiation level in and around PDPU campus using radiation survey instruments.
- iv) IARP web site (www.iarp.org.in) is periodically updated with information on radiation safety to address the concerns of public. During the year two items namely, ‘The concern of members of public on the exposure to ionizing radiation’ and ‘Information on Radiation and Radiological Safety’ are hosted.

5. Training Programmes conducted by GCTC, IARP:

Governing Council for Training Courses (GCTC) of IARP continued the training programme in collaboration with the RP&AD, BARC. A total of nine training courses were conducted during the financial year, including one at Cairn India Pvt. Ltd, Barmer. About 286 candidates participated in the various training programs and completed the courses. The training courses were coordinated by Dr. Arun Behere, Shri R. Kannan and Shri P.K.Gaur with the cooperation from serving and retired IARP life members.

TRAINING CALENDER DURING April 01, 2016 – March 31, 2017

Sr. No.	Title of the Course	Course Number	Number of Participants
1.	NG - 135	Mar 28 – Apr 02, 2016	25 Barmer)
2.	NG - 136	May 16 – 24, 2016	31
3.	RA - 47	June 06 – 14, 2016	25
4.	NG-137	Aug 1 -9, 2016	33
5	NG - 138	Aug. 22 – 30, 2016	39
6	NG -139	September 19 – 27, 2016	38
7	NG - 140	October 03- 10, 2016	41
8	NG-141	Nov 7 – 15, 2016	32
9	RA - 48	Nov. 21 - 29, 2016	22

A sum of Rs. 4.50 L has been paid as Service tax for all the courses conducted by IARP during 2016-2017.

6. Instruments:

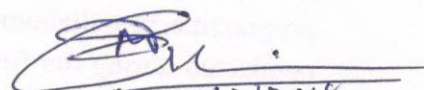
The radiation survey meters in the low, medium and high ranges (eg. $\mu\text{R/hr}$, mR/hr and R/hr) procured by the IARP Governing Council on Training Program (GCTC) were extensively used in the public awareness programmes and training programmes conducted by GCTC.

7. EC meetings:

Three EC meetings were conducted during the period 1/4/2016 to 31/3/2017 to review the IARP activities. IARP paid the annual membership fees to IRPA @ \$ 1.5 per member for 300 active life members.

8. Acknowledgements:

IARP acknowledges with gratitude the support extended by various units of the Department of Atomic Energy such as, BARC, IGCAR, AERB, NPCIL for supporting various activities of IARP. The Executive Committee of IARP thanks Chairman, Board of Trustees and all the Members of the Board of Trustees for their valuable guidance. The Executive Committee takes this opportunity to thank all members, office bearers, editorial board members, and all those who contributed for the smooth functioning of the Association. It must be mentioned that the IARP has achieved financial self sufficiency through the funds generated by the training courses. Last but not the least, a special thanks to each one of you for your interest and participation in all the activities of IARP. We sincerely request your continued support and hope you will encourage us in all the future IARP activities.



10/3/2018
(M.S.Kulkarni)

Secretary, IARP