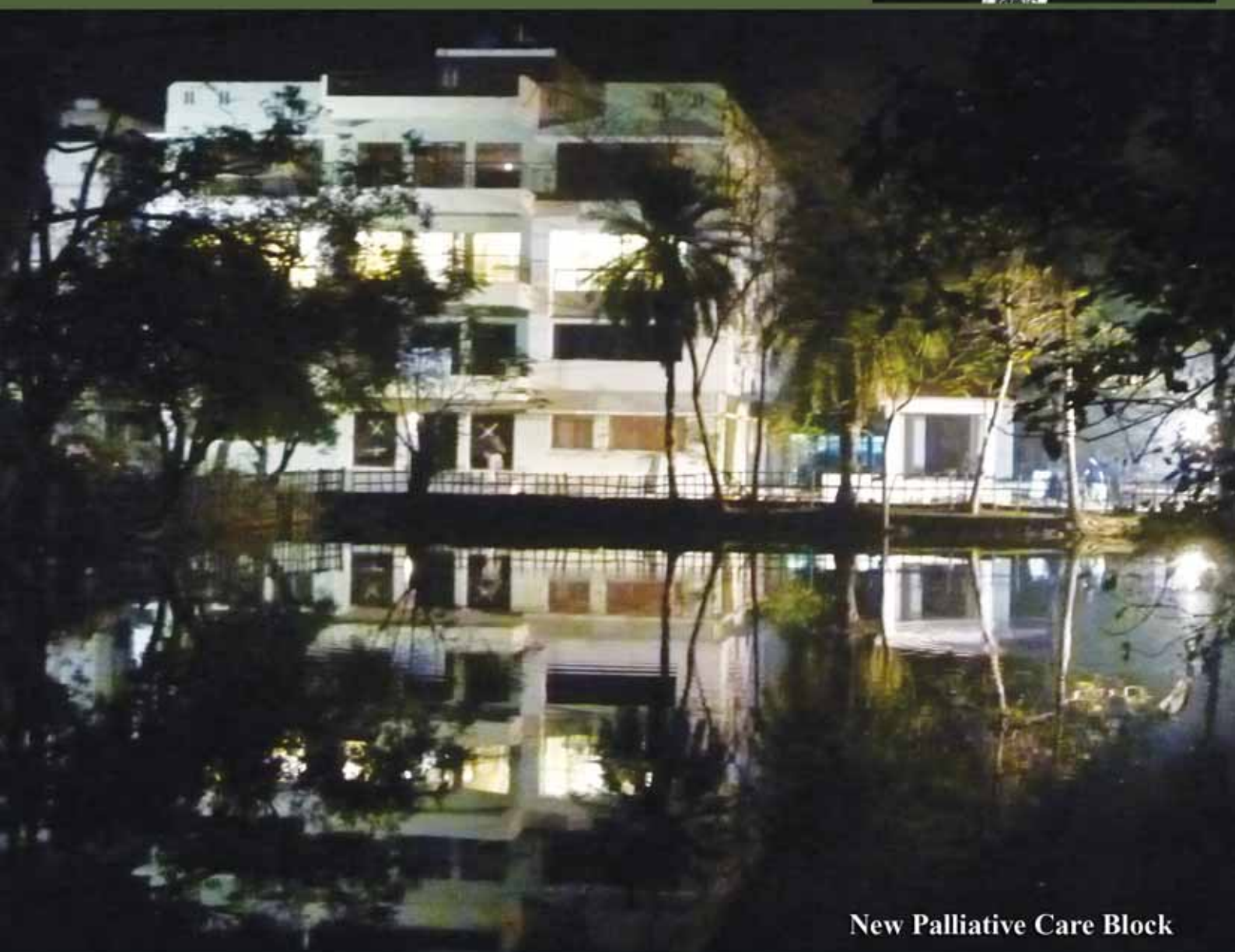




# ANNUAL REPORT 2011-2012



**New Palliative Care Block**

**SAROJ GUPTA CANCER CENTRE & RESEARCH INSTITUTE**

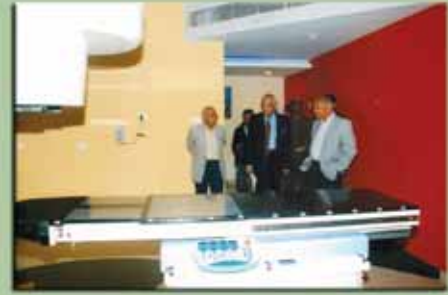
formerly

**CANCER CENTRE WELFARE HOME & RESEARCH INSTITUTE**

Thakurpukur, Kolkata 700 063



Inauguration of Bhabatron II Telecobalt  
by Prof Srikumar Banerjee & Prof Bikash Sinha on 6th Feb, 2012



New Bhabatron II Telecobalt Machine



Inauguration of HPV DNA Lab by Prof Bikash Sinha



Inauguration of BMT Unit  
by Sri Saumitra Chattopadhyay on 23rd May, 2012



Inauguration of Paediatric ICU



Inauguration of New Children Little Hut  
by Sri Debasish Kumar and  
Ms Kaushiki Chakraborty on 18th Aug, 2012



Sri Debasish Kumar and  
Ms Kaushiki Chakraborty



Children's Day 2012



Dev fulfilling wishes of our Child Patient on behalf of Make a Wish Foundation



In house Blood Donation Camp on 21st May 2012



Renaming of our Institute  
after the Founder

# 39th ANNUAL REPORT 2011-12

**SAROJ GUPTA CANCER CENTRE & RESEARCH INSTITUTE**  
( formerly CANCER CENTRE WELFARE HOME AND RESEARCH INSTITUTE )  
Mahatma Gandhi Road, Thakurpukur, Kolkata – 700 063.



This Institute was originally registered as Cancer Centre and Welfare Home on February 29, 1973 as a Registered Society under West Bengal Societies Registration Act XXVI of 1961. Subsequently, to cope up with increasing activity of the Society, its name was further changed by re-registration on April 1, 1997 to Cancer Centre Welfare Home & Research Institute. To the respectful memory of Dr Saroj Gupta, the founder Director & Secretary of this Institute, the name of the society was further changed and registered as Saroj Gupta Cancer Centre & Research Institute on December 20, 2011. The society is a **non-profit making philanthropic body** that is engaged in catering to the needs of the people suffering from cancer. The organization is a Comprehensive Cancer Institute that is actively involved in **Treatment, Control and Research on Cancer**.

Since its inception on 20<sup>th</sup> February 1973, it has received mass support and donations from people of this country and from abroad. It is the public support and aid that has transformed a 25-bed welfare home to one of the largest Comprehensive Cancer Institutes of India. **Donations to this Institute are exempted under section 80G of Income Tax Act, 1961.**

The Ministry of Science & Technology, Government of India has recognized this Institute as a **SIRO** (Scientific & Industrial Research Organization). As such, **donations to this organization are also exempted under section 35(i)(ii) of Income Tax Act, 1961.**

## **We earnestly solicit your help to assist us in our fight against cancer**

Registration No	S/ 12687 of 1972-73
Registered Office	Mahatma Gandhi Road, Thakurpukur, Kolkata 700 063
Telephone Nos	+91 033 2467 8001 (Pilot line )/ 8003; 2453 2781/82/ 83/ 8151 & 2438 3145
FAX Numbers	+91 033 2 467 8002 / 2453 6711 / 2 453 4765
E-mail	cancerwelfare@yahoo.co.in, cancercentre6@gmail.com
Website	www.cancercentrecalcutta.org

This Annual Report is published by Mr Anjan Gupta (Hon. Secretary) on behalf of Cancer Centre Welfare Home & Research Institute. Printed by Dilip Printing House. Kolkata 700 029



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# 39th ANNUAL REPORT

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## ***Members of Governing Body / Managing Committee***

<b>President</b>	:	Mr Jayanta Chatterji
<b>Vice-President</b>	:	Mr Amit Kumar Sen Mr Shib Sanker Mukherji
<b>Secretary</b>	:	Mr Anjan Gupta
<b>Joint Secretary</b>	:	Dr Radhe Shyam Majumder
<b>Asst. Secretary</b>	:	Mr Kanak Kumar Sengupta
<b>Treasurer</b>	:	Mr Kamakshya Prasad Sengupta
<b>Members</b>	:	Mr Subhash Guha Niyogi Dr Gautam Bhattacharjee Dr Arnab Gupta
<b>Two Govt. Nominees</b>	:	Director of Medical Education, Department of Health & Family Welfare, Govt. of West Bengal,  : Director, Chittaranjan National Cancer Institute, Kolkata.

### **Founder Members**

FM	9	Dr. Sunil Kumar Gupta
FM	17	Dr. Debi Mohon Bhattacharjee
FM	18	Dr. Amiya Prosad Majumder
FM	22	Mr. Niranjan Kumar Dutta
FM	26	Dr. Sobha Ghosh
FM	37	Ms. Gouri Mitra
FM	39	Dr. Pravash Chandra Sen Gupta



### Life Members

LM 2	Mr. Premananda Raichoudhuri	LM 60	Mr. Auravinda Roy Choudhury
LM 4	Mr. Satya Narayan Khaitan	LM 62	Mr. Biswanath Mitra
LM 5	Mr. Bachhraj Sethia	LM 64	Mr. Harendra Nath Ghosh
LM 6	Mr. Bhagwati Prasad Goenka	LM 65	Mr. Bivas Roy Choudhury
LM 7	Ms. Sushila Poddar	LM 66	Mr. Amal Prakash Sur
LM 8	Ms. Sharda Devi Poddar	LM 68	Mr. Shyam Sundar Roy
LM 9	Mr. Ratan Chand Burman	LM 69	Mr. Sankar Nath Roy
LM 10	Dr. Niranjan Ghosh	LM 70	Mr. Probir Gupta
LM 13	Mr. Rupchand Mullick	LM 72	Dr. Krishnendu Gupta
LM 14	Ms. Debjani Dey	LM 73	Mr. Surendra Lal Girdharilal Mehta
LM 15	Mr. Subhash Guha Niyogi	LM 74	Mr. Anjan Gupta
LM 18	Mr. Subir Chowdhury	LM 76	Mr. Sachindra Kumar Mitra
LM 22	Mr. Monotosh Roy Choudhury	LM 77	Ms. Monika Mitra
LM 24	Mr. Kanail Lal Dey	LM 78	Mr. Murari Lal Gupta
LM 25	Ms. Monika Basu	LM 80	Ms. Piya Sen
LM 26	Ms. Satiya Bai Saraogi	LM 81	Mr. Suvra Chandra
LM 27	Mr. Mihir Kumar Aditya	LM 82	Mr. Jayanta Chatterjii
LM 28	Mr. Jitendra Nath Bose	LM 83	Mr. Samdev Das Gupta
LM 30	Mr. Ashoke K. Mukherjee	LM 84	Mr. Indrajit Dass
LM 36	Mr. HIRAK DAS SARMA	LM 85	Mr. Gautam Ghosh
LM 38	Dr. Jyoti Rani Sen	LM 87	Mr. Kanak Kumar Sengupta
LM 39	Mr. Swapan Kumar Bose	LM 88	Dr. Radhe Shyam Majumdar
LM 40	Ms. Durga Rani Bhattacharjee	LM 89	Dr. Saumitra Chakravarty
LM 41	Mr. Subhendu Basu	LM 90	Mr. Tarak Nath Ghosh
LM 42	Mr. Pijush Ranjan Sen Gupta	LM 91	Mr. Indrajit Bhattacharya
LM 46	Mr. Justice Monoj Kumar Mukherjee	LM 93	Mr. Jayanta Kumar Paul
LM 47	Mr. Justice Ganendra Narayan Roy	LM 94	Mr. Abhoy Kumar Chakravorty
LM 48	Mr. Swapan Das Gupta	LM 95	Mr. Himanghshu Krishna Mitra
LM 49	Ms. Ratna Ghosh	LM 97	Dr. Gautam Bhattacharjee
LM 51	Mr. Debidas Ganguly	LM 98	Dr. Arnab Gupta
LM 52	Dr. Arun Sekhar Day	LM 99	Dr. Rabindra Nath Ghosh
LM 56	Mr. Sushil Kumar Ghosh	LM 100	Mr. Kamakshya Prasad Sengupta
LM 57	Mr. Mrinal K Choudhury	LM 101	Mr. Shib Sanker Mukherji
LM 59	Mr. Amit Kumar Sen	LM 102	Mr. Dipayan Choudhury

### Honorary Members

HM	2	Dr. Bikash Sinha
HM	3	Dr. Ashok K. Ray



## **Honorary Overseas Advisors**

Dr. S S Legha, MD, Director of Melanoma Centre in the Texas Cancer Institute, Houston, USA  
Dr. Sankha Suvra Mitra, MS, DNB, FRCS, FRCR, Consultant Oncologist of Royal Sussex County Hospital, Brighton, UK.  
Dr. Yajati Ghosh, FRCSEd (Oph.), Consultant Ophthalmic Surgeon, Birmingham, UK.  
Dr. Shilajit Ghosh, FRCS, Consultant Thoracic Surgeon, Birmingham, UK.

## **Honorary Advisor**

Dr Asit Banerjee MS, FRCS

Members who had been with us ...

### **Founder Members**

Dr. Saroj Kumar Gupta  
Mr. Sankar Prasad Mitra  
Mr. Mohon Kumar Mookherjee  
Dr. Mihir Kumar Mitter  
Mr. Suvash Chandra Mitter  
Mr. Akshay Kumar Datta  
Mr. Purnendu Gupta  
Mr. Mihir Kumar Gupta  
Mr. Chitta Ranjan Das  
Mr. Chira Ranjan Das  
Mr. Saroj Sen  
Mr. Sukhamay Chanda  
Mr. Nagendra Nath Guha  
Mr. Bishnu Lal Banerjee  
Mr. Satya Ranjan Dasgupta  
Mr. Debabrata Banerjee  
Mr. Prokash Chandra Sinha  
Mr. Bhupati Sinha  
Mr. Surendra Ranjan Sarkar  
Mr. Bhupati Chowdhury  
Dr. Ananda Mohan Datta  
Dr. Kiran Chadra Mukherjee  
Dr. Amalendu Roy  
Dr. Anantalal Mishra  
Dr. Bimal Chakraborty  
Mr. Asim Kumar Sen  
Dr. Jyotirmoy Chatterjee  
Dr. Diptendu Mukherjee  
Mr. Prantosh Kumar Dutta  
Mr. Subhamoy Dutta  
Dr. Sujit Kumar Banerjee  
Mr. Gour Chandra Paul

### **Life Members**

Mr. Ramesh Prasad Agarwal  
Mr. Vinod Kumar Neotia  
Mr. Nani Gopal Mitra  
Dr. Haradhan Basak  
Mr. Lakshmi Kanta Ganguli  
Dr. Durga Prasad Bhattacharyya  
Mr. Sunil Dass  
Mr. Birendra Nath Dasgupta  
Mr. Sunil Kumar Sarkar  
Mr. Dwijendra Bhusan Sen  
Mr. Hirendra Nath Dutta Gupta  
Mr. Ardeshir H. Sethna  
Ms. Bithika Banerjee  
Mr. Ajit Kumar Chatterjee  
Mr. Bhaskar Bhattacharjee  
Mr. Sudhir Kumar Dutt  
Ms. Haima Bala Debi Choudhurani  
Dr. Bidhan Chandra Chatterjee  
Mr. Radha Bhusan Bose  
Mr. Sushil Kumar Dey  
Mr. Suresh Ranjan Roy  
Dr. Anadi Nath Daw  
Ms. Nalini Pal  
Mr. Ashish Sengupta  
Mr. Ajoy Ghoshal  
Dr. Subhas Chandra Dutta  
Mr. Sebastian Joseph  
Mr. Kamal Kumar Mitra  
Mr. Tapan Kumar Bose  
Mr. Mahendra Swarup  
Mr. Dipankar Dutta Gupta  
Mr. Sudhir Kumar Gangopadhyay  
Mr. Susanta Kumar Das  
Dr. S.P. Ghosh

## **Honorary Member**

Rev. Subir K. Biswas





### Management

<b>Secretary</b>	:	Mr Anjan Gupta, B. Arch, MCP (IIT), M. Arch (USA).
<b>Director</b>	:	Dr. Arnab Gupta, FRCS (Edin, Eng), FIAGES
<b>Medical Administrator</b>	:	Dr. Sujal Chandra, Ph.D
<b>Medical Superintendent</b>	:	Dr. Partha Halder, MBBS
<b>Deputy Medical Superintendent</b>	:	Dr. Shubhashis De, DGO

### Sub-Committees

- ❑ **Hospital Advisory** : Mr Anjan Gupta, Secretary  
Dr. Arnab Gupta, Director  
Dr. Gautam Bhattacharjee, Member, Governing Body  
Dr. Sujal Chandra, Medical Administrator  
Dr. R.N. Ghosh  
Dr Manas Nath Bandyopadhyay
  
- ❑ **Finance**
  - Chairman** : Mr. Sudhir Kumar Gangopadhyay (since deceased)  
Mr Kanak Sengupta
  - Convenor** : Mr Anjan Gupta
  - Member** : Mr Pijush Ranjan Sengupta
  
- ❑ **Building**
  - Chairman** : Mr. Sudhir Kumar Gangopadhyay (since deceased)  
Mr Jayanta Chatterji
  - Convenor** : Mr Shib Sanker Mukherji
  - Architects** : Mr Anjan Gupta  
Mr B K Banerjee
  
- ❑ **Representatives of Accounts** : Mr Santi Kumar Dey  
Mr Subrata Kumar Chakraborty



- **Research Advisory Board** : Mr Anjan Gupta, B. Arch, MCP (IIT),M. Arch (USA).  
Dr Arnab Gupta, FRCS (Edin. & Eng.), FIAGES  
Prof Bikash Sinha, BSc (CU), BA, MA (Cambridge),  
PhD, DSc (Lond), FINSA, FNAS, FNYAS, FIASc.  
Dr Subir Dutta DCP, MD (Path), FIC Path, DBMS  
Prof M S Chakraborty, MBBS,DCP, Ph D  
Prof Sukhendu Bikash Bhattacharjee, Ph.D  
Dr Asok K. Ray, MD, FRCS, FACS, FICS, FAA, DEP  
Prof. Siddhartha Roy, Ph.D,FNA,FASc  
Prof Samir Bhattacharya, Ph.D,FNA,FASc  
Prof Dr S C Pakrashi, PhD,D.Sc.,FNA,FASc.T,FNASc  
Prof Runu Chakraborty, PhD  
Dr Manas Nath Bandyopadhyay, DMRT, MD  
Prof D.N. Guha Majumder, MD
- **Research Sub Committee:** Mr. Anjan Gupta, B. Arch, MCP (IIT),M. Arch (USA).  
Dr Arnab Gupta, FRCS (Edin. & Eng.), FIAGES  
Dr Manas Nath, Bandyopadhyay, DMRT, MD  
Dr Samir Bhattacharyya, MS  
Dr. Rabindra Nath Ghosh, MRC Path  
Dr Biman Chakraborty, FRCOG, FACS  
Dr Gautam Bhattacharjee,DMRT,MD  
Dr Saradindu Ghosh,MS  
Dr Shravasti Roy, DTMH, MD  
Dr Rahul Roychowdhury, MRCOG  
Dr Tanmoy Chatterjee, DGO, MD (O&G)  
Dr Sarbajit Das, FRCS  
Dr Sujal Chandra, PhD  
Dr N R Mondal, DGO, MD  
Dr Tamohan Chaudhuri, DMRT, MD  
DrDhrubajyoti Mukhopadhyay, DLO, MS  
Dr Rakesh Roy, MD
- Cancer Control** : Dr Manas Nath Bandyopadhyay DMRT, MD
- Palliative Care** : Dr Gautam Bhattacharjee DMRT, MD  
Dr Ramapati Sanyal, MD, DNB



□ **Ethical Committee**

- Chairman** : Honb'le Mr Justice (Retd) Ajit Kr. Nayek
- Members** : Mr Anjan Gupta, Architect & City Planner  
Dr Arnab Gupta, Medical Practitioner  
Bishop Dr. Dinesh Ch. Garai, Priest  
Dr Manas Nath Bandyopadhyay, Medical Profession  
Dr Samir Bhattacharyya, Medical Profession  
Dr Chinmoy Bose, Medical Profession  
Dr Kalyani Mukherjee, Medical Profession  
Prof Susanta Roychowdhury, Basic Scientist  
Dr Madhuchanda Kar, Medical Profession  
Mrs Vijaya Mukherjee, Social Worker  
Ms Salony Priya, Ethicist & Counselor  
Ms Debjani Aich, Media Person

□ **Environment Monitoring**

- Chairman** : Prof (Dr) S P Mukhopadhyay (since deceased)  
Dr Arunabha Majumder
- Members** : Sri Subhash Guha Niyogi, Convenor  
Prof (Dr) Tarak Mohan Das  
Prof Subhash Santra  
Dr Pranabesh Sanyal, IFS  
Dr R K Chakraborty  
Dr Gautam Bhattacharjee  
Dr Sujal Chandra, Medical Administrator  
Dr Shravasti Roy,  
Representative of Local Body

□ **Local Administrative Committee, RRMCC**

- Members - SGCCRI** : Mr Anjan Gupta  
Dr Arnab Gupta  
Dr Gautam Bhattacharjee  
Dr Manas Nath Bandyopadhyay  
Dr Sujal Chandra
- Member - VECC** : Sri Subimal Saha  
Dr Santanu Ganguly  
Sri Surajit Pal  
Sri Bharat Ratna Sarkar  
Sri Samarendu Sinha



□ **Library**

**Joint Convenor** : Dr Manas Nath Bandyopadhyay DMRT, MD  
Dr Madhuchanda Kar MD, PhD

**Coordinator** : Mr Santanu Das, Librarian

**Members** : Dr Arnab Gupta, FRCS (Edin, Eng), FIAGES  
Dr Sujal Chandra, PhD  
Dr Gautam Bhattacharjee DMRT, MD  
Dr Samir Bhattacharyya, MS  
Dr Shravasti Roy, DTMH, MD  
Mr Subrata Kumar Chakraborty

□ **Personnel & Administration**

**Manager** : Mr Debabrata Sadhu

□ **Nursing**

**Nursing Superintendent** : Ms Gouri Roy

**Dy Nursing Superintendent** : Ms Santa Maity

**Matron** : Ms Jharna Das

□ **Maintenance**

**Consultant** : Mr T K Banerjee  
**Senior Managers** : Mr Shyamal Das  
Mr Himangshu Roy



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## **Notice**

November 24, 2012

Notice is hereby given to all the members of **Saroj Gupta Cancer Centre & Research Institute** that the **Thirty Ninth Annual General Meeting** of the Society will be held at our centre at Mahatma Gandhi Road, Thakurpukur, Kolkata- 700 063 on December 22, 2012 at 10.00 am to transact the following business.

A handwritten signature in black ink, appearing to read 'Anjan Gupta'.

Anjan Gupta

**Secretary**

### **Agenda :**

1. To confirm the minutes of the last Annual General Meeting.
2. To approve and adopt the report of the Governing Body/ Managing Committee regarding working of the Society for the year ended on March 31, 2012.
3. To receive and adopt the audited accounts and report of the Auditors for the year ended March 31, 2012.
4. To appoint Auditors till conclusion of the next Annual General Meeting.
5. To declare result of the election of members to the Governing Body/Managing Committee for the year 2012-13 and 2013-14. Only nine applications as per attached list were received for nine vacancies and therefore, all the applicants will be declared elected.
6. To transact any other business which, in the opinion of the members present, will be beneficial to the interest of the Society.



## ***I. Introduction***

The Governing Body/ Managing Committee of 'Saroj Gupta Cancer Centre & Research Institute' hereby presents its report of activities and audited accounts for the year ended on 31<sup>st</sup> March 2012.

The Governing Body/ Managing Committee once again pledge its humble efforts that befit the aims and objective of the Society. 'Saroj Gupta Cancer Centre & Research Institute' has progressed further in Therapeutics, Academics, Prevention and Research on cancer.

All the Therapeutic, Diagnostic Departments and Ancillary Services of this Institute are running smoothly.

Due to our continuous effort to upgrade our equipments and services, further tie-ups with various organizations continue.

In-house and Collaborative research activities with other Institutes and agencies continue successfully.

## ***II. Events At This Institute***

### **A. New Additions**

- **The Bone Marrow Transplant (BMT) Unit:** This 4-bed state of the art Unit is a new addition to this Institute. Staff training for this very specialized job has been completed. At the moment, the first phase of the Unit has become operational. We hope to expand its services in near future. We remain indebted to Mr. Shib Sanker Mukherji, Trustee & Vice-President of our Institute who funded this unit in memory of his wife late Bithika Mukherji. **Mr Saumitra Chattopadhyay**, eminent actor who was recently awarded 'Dada Saheb Phalke Award', inaugurated this BMT Unit on 23<sup>rd</sup> May, 2012.
- A six-bed **Paediatric Medical ICU and Isolation Ward** were also inaugurated on the same day (23<sup>rd</sup> May 2012) by Mr Saumitra Chattopadhyay in presence of our members and other dignitaries. The paediatric ICU was partially funded by Mr Barry O'Brien from his MLA fund, and by Volkart Foundation.
- **HPV DNA Lab:** SGCCRI has become a member of Star Alliance of National Institute of Biomedical Genomics (NIBMG), Kalyani – an Institute under Division of Biotechnology, Govt of India. A HPV DNA Lab has been established as a result of this alliance at the premises of SGCCRI in recognition of its Research Potential on HPV and HPV-related cancers. The lab was inaugurated on 21<sup>st</sup> April 2012 by Dr Sandip Kumar Basu , Professor of Eminence, National Institute of Immunology, New Delhi and Professor Bikash Sinha, Homi Bhabha Professor, Department of Atomic Energy, Govt of India. For further details, please see under "Research activities".
- **New Cobalt-60 Teletherapy Unit:** The BARC manufactured **Bhabatron-II** telecobalt unit (**manufactured under Bhabha Atomic Research Centre**) was inaugurated at SGCC&RI on 6<sup>th</sup> Feb 2012 by Dr Srikumar Bandyopadhyay, Chairman, Atomic Energy Commission in presence of Dr. Bikash Sinha, Homi Bhabha and the governing body members of SGCC&RI. The total cost of the cobalt equipment along its source Rs. 2.42crores was donated by Govt. of India. The machine is functioning smoothly & treating approximately seventy patients daily.



**(Contd.)**

- **PET-CT UNIT:** The Collaborative Project of establishing a Positron Emission Tomography (PET) coupled with a CT scan unit with M/S Eko Diagnostic Private Limited has also been finalized. The building is nearly complete. We hope to make it fully functional by December 2012/ early January 2013. Major fund for the construction of this building came from Mr. Satya Narayan Ray in memory of his wife Mrs Sumitra Ray.
- **Dedicated Palliative Care Building:** This Institute runs a Pain and Palliative Care unit since 1992. Its service has been increased in recent years with help from various agencies. We have established a new 4- storied building to accommodate the patients who need such care as an in-patient. Major donations for this building came from Mrs. Arati S. Chakravarty, Mr. Tares Maitra, Smt. Panna Devi Charitable Trust and Dr. Joydeb Pal.
- **New Pediatric Ward:** In 1991, Mother Teresa inaugurated our original 15-bed pediatric ward (Children's Little Hut) adjacent to our DR – Block. This ward with 2 additional beds was shifted to the dedicated Children's Wing (Indira Manik Children Hospital) for convenience of management of the patients. This new ward was inaugurated by Sri Debasish Kumar (Mayor-in-Council) and eminent singer Ms Kaushiki Chakraborty on 18<sup>th</sup> August, 2012. The new ward with 17 beds and exquisite ambience retains its old name. The project was partially funded with donations of beds, equipments and furnishing materials by 'Rotaract Club Dist 3291'.

**B. Major Scientific Events**

- **East Zonal Surgical Oncology CME cum Workshop 2011:** Under the banner of Indian Association of Surgical Oncology on 10<sup>th</sup> and 11<sup>th</sup> December 2011. The theme this year was Colorectal and Endocrine cancers. The overseas faculties from UK, Mr Mrinal Saharay, Mr Chittaranjan Chowdhury, Mr Dipankar Mukherjee & Dr Sankha Suvra Mitra took part. The National Faculties were Dr D D Patel (Ahmedabad), Dr Hemanth Raj (Chennai), Dr Manoj Pandey (Varanasi), Dr Kiarn Kothari (Ahmedabad), Dr Sanjeev Misra (Lucknow) and Dr Chintamani (N.Delhi). Many reputed local Faculties also took part. 'Dr Saroj Gupta Memorial Oration' (started last year and supported by Mr Chittaranjan Chowdhury) was delivered by Mr Mrinal Saharay.
- **Pre-conference CME on 19<sup>th</sup> International Conference of Indian Association of Palliative Care:** This CME was organized by SGCCRI Thakurpukur on 9<sup>th</sup> February, 2012. This centre hosted the Pre-conference Workshop of the Annual Indian Association of Palliative Care (IAPC) Conference. It was inaugurated by the President of Indian Association of Palliative Care. There were national as well as International Faculties. Also there was another Palliative Care workshop organized for the nurses on 8<sup>th</sup> February 2012 by the legendary Ms Gilly Burn after whom the workshop was named. A renowned Palliative Care Specialist from the UK, she delivered an inspiring lecture to students and delegates and opened up new vistas in Palliative Care.
- **Biological Carcinogens and Cancer:** A seminar to Inaugurate the Laboratory for Research on Human Papilloma Virus and related at SGCCRI Auditorium, Organised by NIBMG Kalyani, SGCCRI (Previously CCWHRI) on 21<sup>st</sup> April 2012. The Laboratory and the seminar was inaugurated by Dr Sandip Kr Basu, Professor of Eminence, National Institute of Immunology, New Delhi and Professor Bikash Sinha, Homi Bhaba Professor, Department of Atomic Energy, Govt. of India.



The invited speakers included Professor Neerja Bhatla from All India Institute of Medical Sciences, New Delhi, Dr Partha Basu, Associate Professor and HOD, Gynaecological Oncology, Chittaranjan National Cancer Institute, Kolkata, Professor Rajkumar T, Department of Molecular Oncology Cancer Institute, Adyar, Madras amongst others.

- **Hands on Colposcopic Workshop, SGCCRI:** Organised by Cancer Centre Welfare Home and Research Institute (CCWHRI) and Chittaranjan National Cancer Institute (CNCI) on 17<sup>th</sup> and 18<sup>th</sup> December 2011.
- **4<sup>th</sup> East Zonal Surgical Oncology CME 2012.** This CME was organized on 24<sup>th</sup> and 25<sup>th</sup> November 2012 by SGCCRI under the aegis of IASO & ASI West Bengal Chapter. The theme of the first day was Hepatobiliary Cancers and the theme for the 2<sup>nd</sup> day was upper GI cancers. The CME was inaugurated by Professor N K Pal, in presence of Brig. M Gagnguly (President, IASO), Dr D Chakraborty (President, ASI-WB), Dr M L Saha (Hon. Secretary ASI-WB) and other dignitaries. Dr. Saroj Gupta Oration was delivered by Professor Bikash Sinha. Henry Shaw oration was delivered by Mr Dipankar Mukherjee (UK).
- **“Excellence in Oncology 2012” workshop** was held from 10<sup>th</sup> – 14<sup>th</sup> of December 2012. The theme of this workshop was Palliative Care meant for doctors, nurses and social workers. This was done in collaboration with THET (UK) and Pallium India (Thiruvanthapuram). The notable International faculty included Dr S S Mitra, Ms Elizabeth Hudson, Ms Lynda Phippen, Ms Kiran Sharma, Mr Jonathan Roche and Dr Phil Cotterell. The legendary national figure in Palliative Care Dr M Rajagopal, Chairman, Pallium India, Thiruvanthapuram graced the occasion.

We are glad that we are now in a position to initiate a 6-week **course on Palliative Care** in our Institute from January 2013. The course will be a recognized one by Pallium India and THET (UK). It will be the only Institute in this part of the country to teach and train Palliative Care professionally. THET (UK) has gracefully accepted to sponsor the course. The trainees will not be required to pay any course fee for the session.

### C. Other Scientific And Academic Activities & Events

- We continue our status as a “Scientific & Industrial Research organization (SIRO) under recognition of The Department of Scientific & Industrial Research (DSIR), Government of India. As a result of this recognition, donation to the scientific activities of this Institute qualifies for exemption u/s 35(1)(ii) of Income Tax Act, 1961.
- We continue to undertake the **Population Based Cancer Registry (PBCR) of Kolkata** with Chittaranjan National Cancer Institute (CNCI) under National Cancer Registry Programme (NCRP) of Indian Council of Medical Research (ICMR).
- **Collaborative Research Activities** with other Institutes and agencies continue. Details of such programs are given under “Research Activities”.
- A number of faculty members of SGCCRI have been honored by different learned bodies and societies. They have participated and chaired in different conferences and seminars. A number of scientific communications have been published to their credit.





- Our Institute continues to be a **Model of Environmental Monitoring and Biomedical Waste Disposal System** in Eastern India.
- Our faculty members are involved in **teaching and training programs** of various learned bodies, societies and Institutes in Oncological and related subjects.
- **Nursing Training:** Short-term training courses in Cancer Nursing are given to trainee nurses of various Nursing Schools. We continue to cater to the training of our own staff nurses who join this Institute.
- We continue with our weekly **CME Programs**. Starting from March 2006, 279 CMEs have been conducted till March 2012.
- The Institute's **Academic Bulletin** continues to be published. Till date, 11 issues have been published.

#### D. Panorama Of Events

- **Dr Saroj Gupta's Birth Anniversary** was commemorated on 5<sup>th</sup> Dec, 2011 by an in-house Blood donation camp where 73 staff members donated blood for the sick patients. In the afternoon, a bronze statue of our Founder Late Dr saroj Gupta was unveiled by Swami Lokothanada Maharaj of Ramakrishna Mission.. This was followed by an inaugural ceremony. Rabindra Sangeet was sung by some of our staff and patients. A drama "Chitto Binimoy" was staged by our staff. The entire program was well attended and highly appreciated as a befitting tribute to our late Founder.
- **World cancer Day** was observed on 4<sup>th</sup> Feb, 2012 in our Audio-Visual Complex where Shri Jain Swetambar Terapanth Mahila Mondol Samity showed some stress relieving exercises for the patients. This was followed by Cultural program by Members of Rotary Club (district 3291). A Color TV was donated for our Pediatric Ward.
- 2<sup>nd</sup> Death Anniversary of Dr Saroj Gupta was commemorated, like last year, with an **In-House Blood Donation Camp** where many staff and some family members of patients voluntarily donated blood for cancer patients.
- **Suddhananda Babaji & his team 'Resurrection'** did a Meditation programme for our Staff and patients for **Stress management** on 7<sup>th</sup> July, 2012. This was done in our Auditorium which was followed by counseling sessions on the Paediatric wards.
- **International Children's Film Festival** was held in our Auditorium on 28<sup>th</sup> and 29<sup>th</sup> July, 2012. This was organized by **Rahales Little Theatre** in collaboration with **Cine Central Kolkata & UNICEF**. The child patients and the children of our staff and from outside thoroughly enjoyed the films with their parents.
- **The Pediatric Oncology unit** of our Institute is the only of its kind in this part of the country. Various NGOs lend their helping hands for these children. **Jiv Daya Foundation** (an NGO in Texas, USA) is such an organization. Along with other helps, they fund a Social Worker to assess the various needs of the parents and the children, counseling them and arrange for help if needed. **Cankids** another NGO for Paediatric Cancer patients are supporting the funding of poor patients. Many NGOs and well wishers are lending their helping hands to the children by giving gifts, special food



and entertainments on special occasions. Other agencies who help our pediatric patients include **Care & Concern, Rotaractors and different Rotary Clubs, Desham, Agni, Smile, Walt Disney Outreach, Make a Wish Foundation etc.** We have started a monthly Birthday celebration for our in-patient pediatric patients from September, 2011.

- **Joy of Giving Week** was observed in our Hospital on 3<sup>rd</sup> October, 2012 by **Make a Wish Foundation**. The Chief Guest was **RJ Den**, who inspite of his disabilities, cheered and inspired the children and handed over gifts to all the children. Wishes of many children were fulfilled. A child patient called Suraj Binbangshi became famous as he wanted to be a Police Commissioner for a day. He was escorted to the Police Headquarter in Rajarhat, where he was given Guard of Honour and was allowed to use the DG Police's chair and handle a revolver. This was extyensively covered by the Media.
- This Department celebrated **World Hospice & Palliative Care Day** on 8<sup>th</sup> October 2011 and 13<sup>th</sup> October 2012. The main aim of organizing this event was to sensitize the general public as well as the medical fraternity towards Palliative Care service to the needy. Flowers and sweets were distributed to patients as a token of goodwill. The Program was conducted by distributing a card containing information about Palliative care and the initiative taken by the Institute to promote the concept among the general public, paramedics, nursing staff and medical professionals. The staff of the Palliative Care Department presented a poster in the National Conference of Indian Association of Palliative Care (IAPC) in 2012.
- **Children's Day:** Like every year, Children's Day was celebrated on 14<sup>th</sup> Nov, 2012 where there were Sit & Draw Competition, Quiz with prize distribution for the Child patients. Many Child patients themselves performed for the entertainment of the other children & guests. There were also Musical Band, Magic Show, Talking Doll show and Movie. Pepsico, like last 2 years, were kind enough to sponsor the event. The Chief Guest this year was popular Bengali **Actor Dev**, who handed over gifts (Courtesy: Make a Wish Foundation) to all the child patients, encouraging each one of them with embraces and kind words.



### III. Our Activities

#### A. Medical & Allied Fields

##### A.1. Departments & Personnel

###### Departments

- Radiotherapy** :
- Dr. Gautam Bhattacharjee, DMRT, MD (Head)
  - Dr. Mahfuz Ariff, DMRT, MD (Jt. In-charge)
  - Dr. Tamohan Chaudhuri, DMRT, MD (Bom) (Jt. In-charge)
  - Dr. Manas Nath Bandyopadhyay, DMRT, MD
  - Dr. Sanmay Ganguly, DMRT
  - Dr. Abhijit Sarkar, DMRT
  - Dr. Somnath Sorcer, DMRT
  - Dr. Devleena, MD, DNB,
  - Dr. Kuntal Ghosh, MBBS
  - Dr. Suddhaswatta Roy, MBBS, FCCP, FCR Onc
- Surgery** :
- Dr. Samir Sen, MS (Advisor)
  - Dr. Samir Bhattacharjee, MS (Head)
  - Dr. Saradindu Ghosh, MS (Incharge)
  - Dr. Arnab Gupta, FRCS (Edin & Eng), FIAGES
  - Dr. Pratip Sen, FRCS (Edin & Eng)
  - Dr. Chayan Kr. Ray, MS, M.Ch.
  - Dr. Sarbajit Das, FRCS
  - Dr. Amal Kumar Chakravarty, MS, FRCS
  - Dr. Ashoke Kr. Basu, MS, M.Ch., F.I.C.S.
  - Dr. Apurba Ghose, MBBS
  - Dr. Arun Ganguli, MS, DNB, MCh
  - Dr. Indranil Chatterjee, MS
  - Dr. Santanu Sarkar, MS (Resident Surgeon)
  - Dr. Nipun Saha, MS (Additional Resident Surgeon)
  - Dr. Anubha Banerjee, MBBS
  - Dr. Soumitra Banerjee, MBBS
  - Dr. Swapan Kr. Chowdhury, MBBS
  - Dr. Bishakha Basu Roy, MBBS
  - Dr Subhash Chandra De, MS
  - Dr Barun Deb Basu Thakur, MBBS
- Orthopaedic** :
- Dr. Dipak Roy Choudhury, D.Orth, MS (Orth)
- Gastro Enterology** :
- Dr D.N. Guha Majumder, MD (Advisor)
  - Dr Indranil Saha, MD
- Neurology/ Neurosurgery** :
- Consultants of Medica Superspecialty Hospital, Kolkata



- Endoscopy Unit** : Dr. Arnab Gupta, FRCS (Edin & Eng), FIAGES  
Dr. Indraneel Saha, MD  
Dr. Subhasis Kole, MS, DNB  
Dr. Sanjay Basu, MS, FRCS (Edin.)
- Urology** : Dr. Kalyan Kumar Sarkar, MS, FRCS (Edin) (Advisor)  
Dr. Debashis Banerjee, MS  
Dr. Sabyasachi Bose, MS, DNB
- Nephrology** : Dr. D N Mishra MD, DM, DNB (Nephro)  
Dr. Kaushik Das, IC.C.N (B.H.U.)
- Anaesthesia** : Lt. Col. (Dr.) Rajat Kanti Das, MD (Head)  
Dr. Anjali Sinha, DA (Lond)  
Dr. Subhasis Pradhan, MD  
Dr. Ajites Ghosal, FCCP, DA  
Dr. Chinu Chowdhury, DA  
Dr. Sakuntala Chakraborty, DA, MD  
Dr. Paramita Sarkar, DA  
Dr. Kishore Kumar Bakshi, MBBS
- ITU** : Lt. Col. (Dr.) Rajat Kanti Das, MD (Head)  
Dr. Subhamoy Pal, MBBS  
Dr. Dipankar Mukherjee, MBBS  
Dr. Partha Sadhu, MBBS  
Dr. Gunjan Gupta, MBBS  
Dr. Indra Sekhar Das, MBBS  
Dr. Kaushik Sarkar, MBBS  
Dr. Satyacam Chakraborty, MBBS
- Gynaecology** : Dr. Biman Chakraborty, FRCOG, FACS (Head)  
Dr. Nidhu Ranjan Mondol, DGO, MD (In-Charge)  
Dr. Tanmoy Chatterjee, DGO, MD (O&G)  
Dr. Rahul Roy Chowdhury, MRCOG  
Dr. Shubhashis De, DGO  
Dr. Jaba Basak  
Dr. Priti Paul, DGO  
Dr. Saswati Sorcer, DGO
- ENT** : Dr. Debi Mohon Bhattacharjee, DLO, (Advisor)  
Dr. Tejendra Narayan Guha, DLO (Lond) (Head)  
Dr. Amitava Guha, DLO (In-Charge)  
Dr. Dhruva Jyoti Mukherjee, MS (ENT)  
Dr. Bhudeb Bhattacharyya, DLO, MS  
Dr. Uday Bhanu Chakraborty, MS (ENT)  
Dr. Ajoy Kumar Ghosh, MBBS  
Dr. Shankar Kumar Pal, MBBS



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<b>Dental</b>	:	Dr. Arun Kumar Mazumder, BDS
<b>Medicine</b>	:	Dr. Debasish Roy, DTM&H (Cal), DTCD (Cal) Dr. Sujit Bhattacharjee, MD, DM (PGI), DNB, MRCP(U.K.)
<b>Medical Oncology</b>	:	Dr. Ketaki Moitra, MS DMRT (Lond) Dr. Madhuchanda Kar, MD, Ph D Dr. Rakesh Roy, MD Dr Ajoy Shankar Samaddar, MBBS Dr. Moutushi Das, MBBS
<b>Haemato-oncology &amp; Paediatric Oncology</b>	:	Dr. R N Ghosh MRC Path (Eng) (Head) Dr. Chandan Sengupta, DCH (In-Charge) Dr. Aseem Kumar Basu DTM&H, PhD, FRCPath (Lond) Dr. Madhuchanda Kar, MD Ph D Dr. Soma De, DCH Dr. Partha Pratim Gupta, MBBS Dr Sankar Kumar Saha, MBBS Dr. Madhumita Patra, MBBS
<b>Pathology</b>	:	Dr. Sailendra Nath Sarkar, DCP (Head) Dr. Shravasti Roy, DTMH, MD (In-Charge) Dr. Mala Banerjee, MD Dr. Sudipta Roy, MD (PGI), DNB, DRCPATH (Advisor) Dr. Supti Mukherjee MD Dr. Palash Kr. Mondal, MD Dr. Namrata Sinha, MD Dr. Abhigyan Pandey, DCP Dr. Pranab Sankar Basu, Ph.D (Bio-chem) Dr. Sandip Kr Batabyal Ph.D.(Biochem), FIC(India), FCAI(Delhi), FICS Dr. (Mrs) Ena Chowdhury, MSc, PhD Sri Swagnik Roy, M.Sc.
<b>Micro-Biology</b>	:	Dr. (Prof.) Kalpana Karak (Paul), MD Dr. Pranab Sankar Basu, Ph.D (Bio-chem)
<b>Radiology</b>	:	Dr. Rathin Mukherjee, DMRD, MD, MICR (Head) Dr. Amiya Kumar Roy, (In-Charge) Dr. Paritosh Mukherjee, DMRD, MD Dr. Soumitra Kumar Ghosh, MD Dr. Partha Sarathi Mitra, DMRD Dr. Rina Saha, MBBS Dr. Prakriti Bandyopadhyay, MBBS
<b>Nuclear Medicine (RRMC)</b>	:	Dr. Santanu Ganguly, DRM (Section Head) Sri. Surajit Pal, M Sc, DRP Sri. Bharat Ratna Sarkar, B.Sc, DMRIT Sri. Samarendu Sinha, B.Sc, DMRIT



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<b>Medical Physics</b>	:	Sri Dibyendu Sen, B.Sc (Hons) TR DRP (BARC) Sri Sasanka Sekhar Beura, M.Sc. & Dip R P (BARC) Sri K Dayanithi, M.Sc. in Medical Physics Sri Santu Chandra, M.Sc in Medical Physics, RSO
<b>Cardiology</b>	:	Dr. Nirmalendu Nath, MD (Advisor) Dr. Prasanta Kumar Das, MD Dr. Saroj Kumar Saha, MBBS, DPH
<b>Echo-Cardiography</b>	:	Dr. Goutam Das, DSASMS Dr. Prasanta Kumar Das, MD
<b>Palliative Care &amp; Pain Clinic</b>	:	Dr. Gautam Bhattacharjee, DMRT MD (Head) Dr. Rakesh Roy, MD (In-Charge) Dr. Ramapati Sanyal, MD,DNB (Anaes) Dr. Abhijit Dam MD (Hony. Advisor) Dr. Suchanda Goswami, DMRT, MD (Bom) Dr. Swapan Kr. Chowdhury, MBBS Dr. Kuntal Ghosh, MBBS
<b>Speech Therapist</b>	:	Sri Bibhuti Bhushan Chakraborty
<b>Consultant Psychologist</b>	:	Dr. Indrani Basu Mallik, M.Sc. Ph.D
<b>Dietician</b>	:	Ms. Arupa Sen, BSc, Dip n Dietetics.
<b>Blood Bank Officers</b>	:	Dr Milan Ranjan Das, DGO Dr. Anandamoyee Bhattacharya, DCP
<b>Stoma Clinic</b>	:	Mr K C Banerjee (Hony. Advisor) Ms Ratna Prova Pal
<b>Breast Support Group</b>	:	Ms Bijoya Mukherjee Ms Nupur Chakraborty
<b>Research Division</b>	:	Dr. Manas Nath Bandopadhyay, DMRT, MD
<b>Medical Records &amp; Statistics</b>	:	Dr. Manas Nath Bandopadhyay, DMRT, MD
<b>DNB Students</b>		
Surgical Oncology	:	Dr Sumit Dhairyasheel Shah, DNB (Surgery) Dr Pradyumna Kumar Sahoo, MS Dr. Sujoy Kumar Bala, MS Dr. Indradeep Singh, MS
Radiotherapy	:	Dr. Vikram Bansal Dr. Sumit Pandita



This Comprehensive Cancer Institute has the following departments in the Medical and Allied fields

**1. Major Therapeutic Divisions/ Departments**

Radiation Oncology	Teletherapy Division Brachytherapy Division Radio-Iodine Therapy (with RRMC)
Surgical Oncology (Broad Division)	Gynecological Oncology ENT Oncology General Surgical Oncology Specialized Surgical Oncology <ul style="list-style-type: none"> <li>● Head &amp; Neck Surgery</li> <li>● Peripheral Surgery</li> <li>● Breast Unit</li> <li>● Urosurgery</li> <li>● Thoracic Surgery</li> <li>● G I Surgery</li> <li>● Orthopedic Surgery</li> <li>● Paediatric Surgery</li> <li>● Plastic Surgery</li> <li>● Neurosurgery</li> <li>● Endoscopy Unit</li> <li>● Laparoscopy Unit</li> </ul>
Medical Oncology	Chemotherapy Haemato-Oncology Paediatric Oncology

**2. Major Ancillary Departments**

- Cardiology
- Pulmonology
- General Medicine
- Nephrology
- Neurology
- Dental Department



### 3 Major Diagnostic Departments

Nuclear Medicine	Nuclear Imaging Non-image based Study Unit In vitro diagnostic study Unit Radio-nuclide Therapy
Radiology	Conventional Radiology including Digital Radiography Mammography Ultrasonology including Echocardiography, Colour Doppler Computerised Tomography (CT Scan)
Pathology	Histopathology Cytopathology Biochemistry & Marker Lab Immuno Cyto & Histochemistry Lab Microbiology

### 4. Major Ancillary Services

- Nursing Service
- Transfusion Medicine Service (Blood Bank)
- Pain clinic and Palliative Care Service
- Alaryngeal Speech Therapy Unit
- Stoma Care Service
- Breast Cancer Support Service
- Psychological Support Service
- Nutritional Assistance Service

### 5. Personnel

For a complete listing of consultants and key personnel, vide Annexure.





## A.2. Turnover of Patients

The following Table gives an overview of the turnover of patients (Male and Female) at this Institute during the year 2011-2012.

### A.2.1. Out-Patient Service

Parameter	Total
New Patients Registered	8,288
Total Number of OPD Consultation (New 8,288; Old Follow-up 41,279)	49,567

### A.2.2. In-Patient Service (Admission)

Age Group	Male	Female	TOTAL
Pediatric (0-14 yrs)	340	122	462
Adult (15+ yrs)	3,905	3,401	7,306
<b>GRAND TOTAL</b>	<b>4,245</b>	<b>3,523</b>	<b>7,768</b>

### A.2.3. In-Patient Record (Death & Discharge)

Parameter	Number
Death	498
Discharge	7,002
Discharge on Risk Bond (DORB)	467

#### A.2.3.1. Total Indoor Beds

At present, this Institute has **282** indoor beds. With expansion of various indoor services of this Institute, we feel that further indoor beds are necessary. We are seeking permission from concerned authorities to increase the number of indoor beds.



## A.3 Important activities of Major Therapeutic Divisions/ Departments

### A.3.1. Department of Radiation Oncology

The Radiation Oncology Department is equipped with various state of the art equipments. This department is now at par with any standard centre of the developed countries. The Division is equipped with

- Tele-Cobalt units – 3
- Linear Accelerators – 2 (One dual energy 15 & 6 MV and One 6 MV with 3D - CRT )
- HighDose Rate Brachytherapy Unit - 1
- Facilities for Radio-Iodine Therapy

**Bhabhatron II Telecobalt Unit:** The unit has become operational since January 2012. We appreciate the benevolence of the Department of Atomic Energy (DAE), Govt. of India whose active patronage and grant –in-aid helped us to purchase the machine and its 200 RMM Cobalt-60 source.

**Linear Accelerator Units:** We have two Linear Accelerator Units – the High (dual) energy Primus Unit and the Mid-energy (6MV) Primus unit.

The upgrading of Primus mid-energy Linear Accelerator from 3-Dimensional Conformational Radiotherapy (3D-CRT) to Intensity Modulated Radiotherapy (IMRT) has started. Recruitment of radiation Oncologists, Physicists and other staff for handling the IMRT work-load is in the process.

**The Radiotherapy planning system (Oncentra)** with auto contouring tools & virtual simulation capability was upgraded with more accurate dose calculation software last year (Enhanced Algorithm). This improved system can take account of inhomogeneities in the patients' body. This unit is functioning well. Our Oncentra treatment planning system is now being successfully used to generate MRI-CT fusion images. This has improved the quality of planning to a great extent, particularly in Brain tumours. The fully dedicated integrated **Spiral CT scan** with our Radiotherapy planning system is also performing optimally. This unit is particularly very helpful for all our patients who are treated by 3D-CRT.

Our **Brachytherapy Division** is equipped with a **Micro-Selectron (HDR) unit**. The machine is used in intracavitary mode mostly for treating patients with cancer of uterine cervix. Carcinoma esophagus is treated in intraluminal mode. On average, 3 to 4 patients are treated per day with the micro Selectron HDR unit, including intracavitary and intra-luminal cases. The technique of **Interstitial brachytherapy** depends upon putting a sealed radiotherapy source within the cancerous tissue. Earlier, we had Cesium-137 needles with which we implanted soft tissues of tongue and other such structures. As per regulation of AERB, we had to discontinue the use of these needles and return them to the authorities a few years back. We have started interstitial brachytherapy afresh with new approved technique. This has started functioning very recently (November 2011). This facility has been very kindly sponsored by **Oberoi Group of Hotels**.

**Radio- Iodine (I-131) therapy** for treatment of certain types of cancer of Thyroid is carried out at this Institute in collaboration with Regional Radiation Medicine Centre (RRMC) of Variable Energy Cyclotron Centre (VECC) of Department of Atomic Energy (DAE). The RRMC unit was established at the premises



of this Institute in 1989. The radio-iodine therapy was started in 2004. Till 2011, it was the only facility available in eastern India. The full details of this facility is described under the write-up on Nuclear Medicine.

**Turnover of Patients in the Department of Radiation Oncology:**

The following table shows the turn-over of patients in the Radiation Oncology Department during the period 2011-12.

<b>Therapy Units</b>	<b>Turn Over Patients</b>
Tele-Cobalt Units	1044
Linear Accelerator Units	895
Brachytherapy Unit	256
Radio-iodine Therapy (RRMC)	65

This department continues to be a training Institute for DNB (Radiotherapy) and DRT-Tech course with approval of National Board of Examinations (NBE) and West Bengal State Medical Faculty respectively. We are also improving our Departmental Library for academics and services.

Training for BSc (Medical Physics) students from Gono Biswabidhyalay of Bangladesh has started this year (2012).

**A.3.2. Department of Surgical Oncology**

**General Onco-Surgery**

The new state of the art OT complex consists of 5 advanced Operation Theatres and an annexed 8-bed ITU unit. The Surgical Oncology Department is now equipped with ultra-modern gadgets like Operating microscope, CUSA, Harmonic Scalpel, Intra-operative Ultrasonography, Radio Frequency Ablation and Tissue Link and the Department of Surgical Oncology can now perform a number of complex surgeries.

With the advent of Operating microscope, reconstructive and Laryngoscopic procedures have got a boost. With the full set up for advanced Liver surgery - including CUSA (which was donated by Rotary Club of Calcutta Metropolitan, Singapore and The Rotary Foundation), Harmonic Scalpel, Intra-operative Ultrasonography, Radio Frequency Ablation and Tissue Link, Liver surgery has become much easier and is routinely performed with good results.

Laparoscopic surgeries are now done for GI, Urology and Gynaecological cases, enabling patients a quick, painless recovery. We are soon going now plan to start LASER surgery, especially for early cancers of Head & Neck region.



### Endoscopy:

The activities in the Endoscopy department are increasing each year. The number of cases and the types of procedures have significantly increased over the past few years. We are now routinely performing Upper GI Endoscopy, Colonoscopy, Bronchoscopy, Fibre-optic Laryngoscope, Nasal Endoscopy and ERCP. All kinds of therapeutic procedures are now performed, including biliary, esophageal, pyloro-duodenal and Colonic stenting, dilatation, polypectomies etc.

### Overall Performance:

The overall performance of the department during 2011-12 is summarized in the following table:

<b>TYPES OF PROCEDURES</b>		Nos
<b>Minor Operations &amp; Biopsies</b>	<b>TOTAL</b>	<b>498</b>
<b>Major &amp; Special Operations</b>	<b>HEAD &amp; NECK SURGERY</b> (Includes radical procedures for different oral cancers, plastic reconstructions, laryngectomies, thyroidectomies, radical neck dissection, oesophagectomy)	148
	<b>BREAST SURGERY</b> (Includes Breast conservation, Radical and Modified Radical procedures)	169
	<b>THORACIC SURGERY</b> (Only intra thoracic operations exclusive of chest wall tumor involving underline intra thoracic structure)	07
	<b>ABDOMINAL SURGERY</b> (includes different operative procedures for cancers of the digestive organs namely stomach, pancreas, liver intestine inclusive of rectum and other abdominal tumours both open and laparoscopic)	179
	<b>GENITO URINARY SURGERY</b> (Includes operations for male genitalia, kidney, urinary bladder and transurethral)	58
	<b>GYNAECOLOGICAL SURGERY</b> (Includes surgeries for uterus, uterine, cervix, ovary and vulva)	63
	<b>OTHERS</b> (Includes various other procedures like wide excision of tumour minor amputations, plastic operations for skin cancer etc)	60
	<b>TOTAL</b>	<b>684</b>
	Cystoscopy	<b>95</b>
	Bronchoscopy	<b>41</b>
Colonoscopy	<b>424</b>	
UGI Endoscopy	<b>874</b>	
Laryngoscopy (Fibre optic)	369	
Nasal Endoscopy	5	
E.R.C.P	<b>76</b>	
Endoscopy Guided Stenting : Esophageal & Duodenal	10	
Esophageal Dilatation	22	
<b>TOTAL</b>	<b>1,916</b>	
<b>GRAND TOTAL</b>	<b>Minor &amp; Major Surgeries &amp; Endoscopy</b>	<b>3,098</b>



### A.3.3. Department of Medical Oncology

The service of this department includes **Chemotherapy, Haemato-oncology and Paediatric Oncology**. Qualified specialists run all the divisions.

- **The Chemotherapy Division** runs the OPD service. The respective departments apply chemotherapy in the indoor section mostly with advice from the Chemotherapy Division. The volume of both in-patients and Day Care Chemotherapy has increased. Recently, the Chemotherapy Day Care Unit has been revamped with increased space, Central AC, Music system and plush interiors to increase patient comfort during the administration. Targeted therapies are now increasingly but selectively used.

The working hours of Chemotherapy department have undergone some changes. The working hour for Day-Care Unit is extended from 9 am to 6 pm. This has enabled the staff to give more number of chemotherapy on an OPD basis. Also by extending the hours some very long protocols (> 5 hours) are being given on a single day. This has saved patients' money as well as left a greater availability of Indoor beds for surgical patients.

The department also participated in "Train the Sisters" program. The sisters were taught how to improve chemotherapy administering skills and combat spillage of toxic drugs.

Hand held printouts depicting the Do's and Dont's for patients undergoing chemotherapy are being distributed to every single patient from the Day Care. This has taken care of most of the queries from patients and caregivers.

Overall the comfort level of the patients has definitely improved after revamping the Day Care Unit.

Latest drugs approved by US FDA and protocols which are approved by organisations like ASCO, NCCN, ESMO are being practised by the Medical Oncology clinicians. The adjuvant chemotherapy regimens are being given according to TNM staging after Multi-disciplinary Board meeting.

The clinicians of Medical Oncology have access to some peer reviewed International journals. New topics are discussed regularly in team meetings.

An official duty roster has been designed to make the functioning of the department smooth. Multidisciplinary approach towards patients (which includes Palliative Care only) has been the key.

The department is also doing Pleurodesis with Bleomycin successfully, without an ICD insertion. This has cut down the cost for patients.



The total number of patients receiving chemotherapy during 2011 – 12 in the Day-Care unit is shown in the following Table:

Month / Year	No of Patients receiving Chemotherapy from OPD Day Care unit
April 2011	325
May 2011	439
June 2011	365
July 2011	395
August 2011	363
September 2011	374
October 2011	374
November 2011	339
December 2011	380
January 2012	353
February 2012	363
March 2012	352
Total	4395

- **The Haemato-oncology Division** looks after adult patients suffering from leukaemias and lymphomas. Separate OPD and indoor services are available for this division.
- **The Paediatric Oncology Division** cares for the children (0-14 years) with cancer. The Division runs regular OPDs. This year, 573 patients were admitted in this division. The detailed analysis may be found u/s A.2. This already active specialized Unit has been further boosted by the support of **Jiv Daya Foundation** (an NGO in Texas, USA) which is funding a Project Officer, a Data Entry Operator and a Social Worker to facilitate Data Collection of the treated children and also assessing the Financial needs of the parents, counseling them and arrange for funding if needed. **Cankids** another NGO for Paediatric Cancer patients are supporting the funding of poor patients. Many NGOs and well wishers are lending their helping hands to the children by giving gifts, special food packets and arranging for entertainments especially on special occasions. Notable amongst them are **Care & Concern, Rotaractors and different Rotary Clubs, Desham, Agni, Smile, Walt Disney Outreach, Make a Wish Foundation**,. A monthly Birthday celebration of the children n started from September, 2011.
- **Bone Marrow Transplant Unit:** This is a new addition to this Institute. Bone Marrow Transplant is a therapeutic procedure where diseased bone marrow of a patient is replaced by healthy marrow. At the moment, this Unit is partly functional. It is being used for isolation of patients with high risk leukaemias undergoing intensive chemotherapy with curative intent. Subsequently, we hope to take up patients of multiple myeloma and lymphomas for bone marrow transplant. Major donation for this Unit has been received from Mr Shib Sanker Mukherji, Vice President of our Institute in memory of his wife late Bithika Mukherji. Training of one physician and Nursing Staff were done at GCRI (Ahmedabad). The physician also availed a IACA Traveling Fellowship for training at Milwaukee (USA). The unit has 4 beds. We hope to increase the services in future.
- **Paediatric Medical ITU and Isolation Wards** which ware inagurate by Sri Saumitra Chattopadhyay on 23rd May, 2012, are functioning smoothly.



## A.4 Important activities of Major Diagnostic Divisions/ Departments

### A.4.1. Department of Nuclear Medicine:

#### Activities of the Regional Radiation Medicine Centre, VECC Year 2009-2010

##### Introduction:

The Regional Radiation Medicine Centre (VECC), Kolkata was set up by the Department of Atomic Energy in the year 1989, in collaboration with SGCCRI (then CCWH&RI), Thakurpukur. This is a part of the DAE's charter with the same philosophy as Radiation Medicine Centre, BARC, Mumbai, to bring the benefits of nuclear science to the common man of eastern India for the diagnosis and treatment of human diseases.

The present activities of the RRMCC include in-vivo nuclear imaging, in-vivo non-imaging studies, in-vitro diagnostic studies, and Radionuclide therapy.

##### In-vivo nuclear imaging:

The most important equipment at the RRMCC is the Dual Head Gamma Camera with CT (Infinia Hawkeye TM) from GE., installed in April 2007.

With this state of art Gamma Camera, static imaging like Skeletal, Thyroid, Liver, Whole Body I-131 (Large Dose), and dynamic imaging such as, Renal Dynamic, Hepatobiliary, G.I. bleeding etc. are being performed regularly.

This camera is also being used occasionally for more sophisticated imaging like SPECT/CT imaging of Skeletal System, Myocardial Perfusion Imaging, Gated Blood Pool Imaging, Scintimammography, Parathyroid imaging etc.

These types of imaging are useful in a variety of diseases like Cancer of various organs, kidney problems, ischaemic heart disease, disorders of thyroid and other endocrine glands, Biliary Atresia and unexplained Gastrointestinal bleeding etc.

***The number of patients who underwent various types of nuclear imaging studies at the RRMCC during 2011-12 is presented in the following table.***

Scans	No. of Scans
Bone	452
Renogram	503
Thyroid	214
I-131 Large Dose	104
Hepatobiliary	62
DMSA renal	151
Other	14
<b>Grand Total</b>	<b>1500</b>

##### In-vivo non-imaging:

In-vivo non-imaging studies being performed at the RRMCC is Thyroidal Iodine-131 uptake studies for various diseases of the thyroid gland. An imported state of art **PC Based Uptake Probe with Well Counter** is used for this purpose.

Currently, around 25 patients undergo I-131 uptake studies every month.



In Vitro Diagnostic studies:

In vitro diagnostic studies being performed regularly at present are Radioimmuno assay of thyroid hormones [Tri-iodothyronine (T-3) and Thyroxine (T-4)], as well as Thyroid Stimulating Hormone (TSH) and Free Thyroxine (Free T-4). These studies are essential to assess Thyroid function in various thyroid diseases.

The imported PC Based Multi detector Automatic RIA Counter is being regularly used for counting and processing of RIA data and use of this counter has ensured rapid generation of RIA reports and also high quality of reports.

***The following table shows the workload of RIA studies in this department during the year 2011-12.***

<b>T3, T4, TSH</b>	<b>Free T4</b>	<b>Total</b>
<b>1929</b>	<b>370</b>	<b>2299</b>

#### **Radio-Nuclide therapy:**

In collaboration with the SGCCRI,, a facility for high dose Iodine-131 therapy of cancer of thyroid patients was started in 2004. Till July 2011, this was the only facility of its kind in West Bengal.

During the year 2011-12, a total of 65 patients of Cancer Thyroid have undergone high dose I-131 therapy at the RRMC.

#### **Research Activities**

Besides its routine activities, RRMC also carries out some research and development activities. At present, we carry out collaborative research projects with the Indian Institute of Chemical Biology, Kolkata and the Unit of BRIT at VECC, involving animal imaging using various developed radiopharmaceuticals meant for the imaging of various organs or lesions.

A number of Research papers based on these collaborative studies involving the RRMC have been published in various international Journals.

#### **A.4.2. Other Diagnostic Departments**

##### **Department of Radiology:**

The volume of all Imagings (USG, CT scan, Digital X-rays, Mammography, Colour Dopplers, Echocardiography etc) has increased. Interventional Radiology in the form of Image Guided RFA, PTBD, Trucut biopsies, Pig tail catheter insertions are routinely done.

The Institute is now gearing up to have PET-CT scan & MRI to complete the Imaging Modalities for detection and staging of Cancers.

The following table shows the work-load of the services of this department.

#### **A. CONVENTIONAL RADIOLOGY**

<b>Month / Year</b>	<b>No of Patient</b>	<b>No of Exposure</b>
<b>Apr / 2011</b>	<b>613</b>	<b>784</b>





Month / Year	No of Patient	No of Exposure
May / 2011	706	810
Jun / 2011	654	791
JUI / 2011	715	840
Aug / 2011	528	621
Sep / 2011	587	701
Oct / 2011	618	725
Nov / 2011	618	725
Dec / 2011	527	640
Jan / 2012	341	443
Feb / 2012	696	836
Mar / 2012	870	1015
<b>Total</b>	<b>7388</b>	<b>8817</b>

#### B. ULTRASONOGRAPHY

Month / Year	No of Patient
Apr / 2011	219
May / 2011	250
Jun / 2011	245
JUI / 2011	242
Aug / 2011	252
Sep / 2011	207
Oct / 2011	174
Nov / 2011	251
Dec / 2011	294
Jan / 2012	247
Feb / 2012	68
Mar / 2012	187
<b>Total</b>	<b>2636</b>

#### Department of Pathology:

##### Departmental Highlights

- The Immunohistochemistry (IHC) unit is performing optimally in facilitating accurate tumour diagnosis. The 'Ventana' automated system was installed and the panel of markers has been increased. This unit is one of the very few in Kolkata to offer a comprehensive panel of IHC markers.



- The 'Mini-Vidas' equipment (Bio-Merieux) is in the process of installation. When functional, it will help us significantly to estimate a greater workload of tumour marker and hormone estimations more rapidly and accurately..
- A cryostat (Leica) is installed that helps us to perform intra-operative frozen sections. Regular intra-operative imprint cytology is also being carried out.
- Regular CT guided trucut biopsies are done in collaboration with the radiology department. The biopsy material is subjected to imprint cytology and histopathology and IHC where indicated. These procedures provide a rapid and accurate diagnosis in intra-thoracic and intra-abdominal tumours without open surgery.
- A separate and exclusive class room for DMLT students has been provided a few months back.

Activity Report (Number of Tests Done) of the Department of Pathology)[2011-12]

There has been increase in the volume of activities in almost all aspects of the departmental services. The following table shows the services provided by this department.

Haematology	59500
Clinical pathology	605
Histopathology	8700
Microbiology	2862
Immuno Histo/ Cytopathology	2513
Biochemistry (including tumor markers)	136118
FNAC (sample 849; CT guided 641; USG guided 407)	1878
Slide Review	6927
PAP Smear	434



## **A.5 Important activities of our major ancillary services**

### **A.5.1. Nursing Service**

Nursing department plays an important role in health care delivery system and is an essential part of the health care team. The main objective of the department is to provide holistic nursing care to ailing patients with unflinching dedication (Preventive, Curative, Promotive and Rehabilitative). This is done through proper planning organizing and co-ordination.

The department maintains good liaison with various departments such as diagnostic, therapeutic and supporting wing for smooth and flawless functioning of the hospital. Supervisory efforts of the department are directed towards patients' hygiene and sanitation, biomedical waste collection and disposal, cleanliness in various patient services like food etc.

Counseling of patients and their relatives, rendering co-operation and co-ordination in organizing customary social functions are some of the other aspects of our nursing services.

The department also carries out in-house orientation training for newly appointed staff nurses. This department also imparts oncological nursing orientation training to student nurses of various centres who visit our Institute regularly. During the year 2010-11, nursing students from 14 different Nursing Schools and Colleges took such orientation training in our Institute. In this year, one of our staff nurses was sponsored for a 6 week training course in Palliative Care at "Pallium", Trivandrum. She is now serving in our palliative Care Unit. Our Matron also had training in Palliative Care. One staff nurse, along with a Doctor and Technical Staff of our Institute received training in Blood Banking/ BMT procedure (Apheresis).

Our departments are run by competent senior nurses, staff nurses, APNs and Nursing Aids who help us to render the nursing care to both indoor and outdoor patients.



### A.5.2. Transfusion Medicine Service (Blood Bank)

The Blood Bank is fully operational now. The following Tables give a glimpse of the activities of our Blood Bank.

#### Blood Banking Services for FY 2011 – 12

(All figures are in Units)

Month / Year	Outside Collection		In House Collection			Rejection	Ballance after Rejection	Issue
	Camps	Collections	Exchange Collection	Special Day Collection	Total			
04/11	00	000	04	--	04	00	04	04
05/11	00	000	14	55	69	01	68	68
06/11	02	138	03	--	03	05	136	136
07/11	03	207	02	--	02	10	199	199
08/11	05	229	03	--	03	08	224	224
09/11	03	238	00	--	00	04	234	234
10/11	02	116	03	--	03	01	118	118
11/11	04	230	05	--	05	01	234	234
12/11	04	461	01	73	74	26	509	509
01/12	07	399	01	--	01	30	370	370
02/12	07	382	03	--	03	85	300	300
03/12	03	226	07	--	07	06	227	227
<b>TOTAL</b>	<b>42</b>	<b>2754</b>	<b>46</b>	<b>128</b>	<b>174</b>	<b>177</b>	<b>2623</b>	<b>2623</b>

#### Diagnostic Services from Blood Bank

FY 2011 – 12

(Excluding Usual Blood Banking Procedures)

Months	Tests				
	HIV	HBsAG	HCV	VDRL	Grouping
Apr 2011	141	122	021	04	04
May 2011	216	199	038	19	20
Jun 2011	175	160	019	03	05
Jul 2011	167	158	014	01	05
Aug 2011	109	099	023	04	04
Sep 2011	140	138	103	01	01
Oct 2011	103	113	083	02	02
Nov 2011	116	123	086	06	08
Dec 2011	123	145	122	03	07
Jan 2012	106	113	077	02	03
Feb 2012	099	151	097	02	09
Mar 2012	111	172	133	11	17



### A.5.3. Pain Clinic and Palliative Care Services

Concept of Palliative Care existed since the inception of this Institute. The original name of this Institute – “Cancer Centre & Welfare Home” , the brain-child of Late Dr Saroj Gupta, the Founder of this Institute bears testimony of the fact that the entire endeavor of this Welfare Home was oriented towards reaching the facilities of Cancer Treatment and Palliative Care to the under-privileged masses. A 4-bed “Cottage of Peace” was established in our premises in late 1970s. This was a truly a “Hos-peace”. It was opened by Mother Teresa.

One of our doctors was sent to Oxford – the abode of Palliative Care at that time in 1991-92. After his return, the palliative care unit of this centre was initiated in 1992. It provided free consultation for acute and chronic pain relief in accordance to WHO guidelines. This Institute has obtained licenses for **oral morphine tablets** from the Drug Controller and Central Excise Departments for procurement (MD-3) and stocking and distribution (MD-6). This unit was run from Radiation Oncology Department on voluntary basis. It provided oral morphine tablets in various strengths for pain control to both our Out-patients and In-Patients. Our department of Anesthesia was always involved to relieve intractable neuropathic pains with the help of spinal and local blocks under C-arm image guidance. In this context help is often taken from neurophysicians and neurosurgeons from various centers by way of consultations.

This unit was upgraded and inaugurated on 2<sup>nd</sup> August 2010 to the status of a department with new recruitment of staff and their further training. The patronage came from Indo – American Cancer Association.

Since then this department has gone from strength to strength. The OPD, IPD and domiciliary care services have improved. The number of referrals from other departments has increased. The queries about palliative care from common people also increased.

At the moment, The Palliative Care Departments has three spheres of services:

- OPD
- A Five Bed Indoor Ward
- Free Domiciliary Care Service.

We provide oral morphine tablets in various strengths for pain control to both our Out-Patients and In-Patients. The principle of prescribing morphine is according to WHO guidelines.

Our Department of Anaesthesia is involved to relieve intractable neuropathic pains with the help of spinal and local blocks under C-arm image guidance. We have an interventional pain specialist doing this specific job.

Bed charge of the Palliative Care Department has been kept at a nominal rate. Consultancy is free. We aim to stabilize the patient and try to send them back home with necessary instructions. In a few cases we try to render domiciliary care.



**GCCI (Global Cancer Concern India)** assists in our free domiciliary care services by providing their vehicle at times. Presently we are covering a radius of 25-30 km. The service is available twice a week. It is absolutely free. “**Helpage India**” has also provided us with a free Domiciliary Service Ambulance thereby making this domiciliary service more regular.

### **Highlights of Palliative Care Department**

- We are now in the process of expanding our Palliative Care indoor services in the top two floors of a new 4-storeyed building with all the modern facilities for comprehensive terminal care. There will be a seminar hall and a library to conduct academic sessions. We are planning to start Palliative Care training courses from the beginning of next year collaborating with UK THET and Pallium India. The Trainers have already been trained in October, 2011 by Dr. Rajagopal and his dedicated Team. Initiative is being taken by Dr SS. Mitra (UK). Plan is to train more and more individuals in Palliative Care and build up units in Medical Colleges.
- This Centre hosted the Pre-Conference Workshop of the Annual Indian National Palliative Care Conference (IAPC) in Feb 2012. It was inaugurated by The President of Indian Association of Palliative Care. There were national as well as International Faculty. One of the chief attractions of the event was legendary Ms Gilly Burn Workshop. She is a renowned Palliative Care specialist and delivered an intriguing lecture to students and delegates.
- A lecture given amongst senior Rotarians at Tollygunje Club, Kolkata on Palliative Care Awareness – 11<sup>th</sup> Oct 2012. The idea was to attract them towards the concept of Palliative Care and if possible to motivate them for fund raising for “Home Based Care”.
- This department received Accreditation in “Palliative Care and Integrated Oncology” at this year’s ESMO Congress (2012) from the ESMO PALLIATIVE WORKING GROUP . The Institute’s name features with several other reputed Institutes in the ESMO website.
- This Department celebrated WORLD HOSPICE & PALLIATIVE CARE DAY on 8<sup>th</sup> October 2011 and 13<sup>th</sup> October 2012 . The main aim of organising this event was to sensitize the general public as well as the medical fraternity towards Palliative Care service to the needy. Flowers and sweets were distributed to patients as a token of respect. The Programme was conducted by distributing a card which contained information about Palliative care and the initiative taken by the Institute to promote the concept among the general public as well as medical personels. The staff of the Palliative Care presented a poster in IAPC national conference 2012.
- One of the biggest additions to this department was the appointment of a full time psychologist and part time music therapist.
- Dr Rakesh Roy, Staff physician completed Diploma in Palliative Care from Cardiff University in May 2012. Dr Roy also was selected for the prestigious International Award for Palliative Care at ASCO 2012 and received an extended training at Paul Carbone Cancer Centre, Wisconsin under the mentorship of Dr Jim Cleary. This was posted in “Pallium India” website.

Our mission is to build up, step by step, a full-fledged research based Palliative Care Centre with dedicated and qualified palliative care team to provide continuous Palliative Care services to all patients in the Eastern Region and extend it to national and international levels in the future.



We are planning to initiate a teaching and training course on Palliative Care in our Institute by January 2013. This course will be recognized by THET (UK) and Pallium India (Thiruvanthapuram).

**Services rendered by Palliative Care Department**

● **OPD and In-Patient Services**

The following Table shows the details of the services provided:

Month / Year	Opd Turnover	Indoor Turnover	Total
Apr 2011	23	17	40
May 2011	33	22	55
Jun 2011	83	16	99
Jul 2011	92	18	110
Aug 2011	54	15	69
Sep 2011	64	18	82
Oct 2011	54	17	71
Nov 2011	75	19	94
Dec 2011	44	17	61
Jan 2012	63	15	78
Feb 2012	22	13	35
Mar 2012	62	12	74
<b>TOTAL</b>	<b>669</b>	<b>199</b>	<b>868</b>

**Domiciliary Care**

The following Table shows the details of the domiciliary care provided:

Month/Year	No of Patients (Excluding Death)	Patients on Morphine	New Referral	Death
Apr 2011	17	11	4	3
May 2011	15	26	4	5
Jun 2011	26	4	5	2
Jul 2011	16	3	3	7
Aug 2011	19	11	2	1
Sep 2011	20	0	3	3
Oct 2011	15	0	5	1
Nov 2011	13	0	6	6
Dec 2011	10	8	7	4
Jan 2012	5	18	4	1
Feb 2012	6	8	4	2
Mar 2012	12	9	6	4
<b>TOTAL</b>	<b>174</b>	<b>98</b>	<b>53</b>	<b>39</b>



#### A.5.4. Alaryngeal Speech Therapy Unit

Suitable cases of Cancer of Larynx can be treated very successfully by total surgical removal of the larynx (the voice-box situated in the neck). However, the patients become a-laryngeal (mute) for the rest of their lives as a result of such surgical operations. The Laryngectomee Club, headed by Mr Bibhuti Chakraborty (himself a laryngectomee) teaches other patients to talk satisfactorily by manipulating air gulped in the upper part of the esophagus (the food-pipe).

Following table shows the activity of this unit during the year 2011-12.

New Cases Registered	7
No of patients who started to "Talk"	4
• With Esophageal Voice	3
• With Provox II & other prosthesis	1
Follow-up Cases	21

Mr Chakraborty runs the service at our center. He also provides similar services from several other centers as well. . He has been rendering his voluntary service to the patients for last 35 years. Recognitions of his voluntary services have come from various sources.

His untiring work won the "Onco Award" from WB Medical Association. The Laryngectomee Club also won the Bengal Oncology Award, Victor Award (from Mumbai) etc. Mr Bibhuti Chakraverty is also involved in cancer Awareness Program with respect to "Guthka" abuse in the media (Tara Bangla)

The management of this Institute appreciates his untiring benevolent work.

#### A.5.5. Stoma care Services

Patients often undergo major surgical operations for cancer where the normal passages of excretion are removed. To cope up with the anatomical challenge needs significant adaptability to unusual technical practices. Moreover the patients need strong psychological support to accept the changed way of life.

Mr K C Banerjee of **Ostomy Association of West Bengal** is a tireless worker whose benevolent activities help hundreds of such patients at this Institute. The clinic is run twice a week (Wednesdays & Fridays) with the active help of Mr Banerjee and assistance from various doctors and Ms Ratnaprova Paul, GNM, of our Institute. During the year 2010-2011, about 59 ostomates received free counseling. A few patients availed special pre- and post- operative counseling service. These patients had colostomy (45), Urostomy (10) and ileostomy (4).

#### A.5.6. Breast Cancer Support Services

"**HITAISHINI**" is a voluntary non-profit Breast Cancer Support Network. It represents the Mastectomy Association of India (MAI) as its West Bengal Chapter. The group consists of Breast Cancer Survivors and members of Cancer Care India. It is a forum member of the UICC, and as such this group is only one of its kinds in Eastern India. "Hitaishini" has been rendering its **free** social services to our patients for more than nine years. The following Table gives an overview of their services during the year 2011-12.





<b>Services</b>	<b>No. of patients</b>
Total attendances – physical & emotional counseling	353
Provision of ancillary support free of cost (Breast prosthesis, special brassier, surgical pouch, arm stocking)	53
Full medicinal help (chemotherapy, radiation, bone scan and other tests, providing blood for transfusion on regular basis etc)	84
Financial Support for physical & emotional rehabilitation to next of kin <ul style="list-style-type: none"> <li>● Educational Expenses &amp; Responsibility of an expired patient's son</li> <li>● Economic Rehabilitation to a patient's husband by providing a mobile van for vending tea etc.</li> </ul>	2
Lymphopress Service	6

The management of this Institute sincerely appreciates the noble services of this benevolent group.

#### **A.5.7. Psychological Support Service**

We have a special OPD service for psychological counseling for patients and their close relations. Dr Indrani Basu Mallick runs the OPD. This year, about 300 patients received psychological support from this clinic.

#### **A.5.8. Nutritional Support Service**

The practice of Oncology depends heavily on the nutritional condition of the patient. Malnourishment is often considered a decisive factor in Surgery, Radiotherapy and Chemotherapy. With active assistance of competent dieticians, this Institute routinely help patients who develop nutritional problems before or during therapeutic sessions. This unit also provide basic nutritional guidelines to the patients during palliation.

#### **A.6 Important activities of our Environmental Monitoring and Biomedical waste Management System.**

A benevolent group of social activists formed the society in 1973. From the very beginning, they had shown keen interest in the environment of this welfare home. The soothing environment would be such that the patients could perceive it as their home away from home.

The architecture is eco-friendly and energy-efficient. The modern day concept of “Green Architecture” was followed in the premises of this Institute from the very beginning – long before the very term was coined.

The architecture was very much there but it made the natural background more omnipresent. Health, Sanitation, Drainage, Disposal – everything was there and par excellence – only that they melted silently behind the whispers of nature. It meant taking a lot of extra care. However, the management never compromised with its original idea of a welfare home. We always walked the extra mile.

When the relevant laws of environment were enacted, this center welcomed the proposals of the Government and became a model of Environmental Monitoring and Biomedical Waste Disposal System in Eastern India. A committee with qualified members was established a number of years back to monitor the parameters. The committee was headed by Prof (Dr) S P Mukhopadhyay, Head of Management Research & Fellowship Programme, IISWBM, Kolkata. The hospital generated garbage and waste are segregated and disinfected by in-house system that follows the Government guidelines. The final disposal is made through an authorized disposal agency. We also periodically monitor exhaust gases, ambient air, sound level, wastewater and drinking water to ensure a pollution-free environment. We have put an extra effort of microbiological monitoring of all our Operation Theatres, Intensive Therapy Units and Wards. The resultant microbial map of the Institute shall help us to serve our patients in a better way.

With a heavy heart we mention the sad demise of Prof (Dr) S P Mukhopadhyay who headed our Environment Monitoring Committee. He passed away on 17<sup>th</sup> August 2012.

We sincerely hope to maintain the sanctity of the environment of this center and proudly show to those whoever comes here that Thakurpukur is a phenomenon rather than a medical establishment.



## B. DIVISION OF RESEARCH, ACADEMIC AFFAIRS AND CANCER CONTROL

### B.1. Division of Research

#### B.1.1. Sub Committees

- The number of Members of The Research Sub-Committee (RSC), has been increased due to wider interest in Research among our faculty members. The work load on this sub-committee has also increased considerably due to an increasing number of research proposals turning in from various Institutes and individuals.
- There have been no further changes in the members of The Research Advisory Committee (RAC).
- An Institutional Ethical Committee (IEC) is functioning well. A number of project and research proposals have been passed through the IEC with or without modification. The IEC continues to operate on the Standard Operating Principle (SOP) as per ICMR and GCP (Good Clinical Practice) Guidelines.
- A separate Clinical Trial Unit has been created under the Division of Research to facilitate the special demand of Clinical Trials.

#### B.1.2. Recognition

- The Department of Scientific & Industrial Research (DSIR), Government of India recognizes this Institute as a “**Scientific & Industrial Research organization (SIRO)**”. As a result of this recognition, **donation to the scientific activities of this Institute qualifies for exemption u/s 35(1)(ii) of Income Tax Act, 1961.**
- SGCCRI has become a member of **Star Alliance of National Institute of Biomedical Genomics (NIBMG), Kalyani** – an Institute under Division of Biotechnology, Govt of India. A HPV DNA Lab has been established as a result of this alliance at the premises of SGCCRI in recognition of its Research Potential on HPV and HPV-related cancers.

#### B.1.3. Broad Heads of Activities

The activity of Division of Research can be broadly classified into 3 groups:

##### B.1.3.1. Research on Cancer Epidemiology and Cancer Registry.

##### B.1.3.2. In-house and multi-centric clinical studies.

##### B.1.3.3. Basic Research on Cancer.



### **B.1.3.1. Research on Cancer Epidemiology & Cancer Registry**

These studies are done in collaboration with **National Cancer Registry Programme (NCRP)** of **Indian Council of Medical Research (ICMR)**. Studies that are presently undertaken include:

#### **PBCR Kolkata**

This Institute serves as the major collaborator to **Population Based Cancer Registry (PBCR) of Kolkata** since its inception in 1997 at Chittaranjan National Cancer Institute (CNCI). Since 2005, NCRP-ICMR has started to sponsor this PBCR. CNCI, the Regional Cancer Centre (RCC) and this Institute now jointly carry out this program. The Director of CNCI is the Principal Investigator while the Co-Principal Investigator is from this Institute. The Kolkata PBCR has now forwarded the completed report of 2008 & 2009.

#### **Pattern of Care Study (Hospital Based Clinical Cancer Care Registry)**

Earlier, This Institute had taken up a pilot study of Pattern of Cancer Care Study (POCCS) program of NCRP. Some of our departments have already taken up pilot studies to assess feasibility of initiating such program in this Institute.

#### **Hospital based Cancer Registry (HBCR)**

Since its inception, this Institute is maintaining its own patient data in a very basic data format. For the last few years, the service is partly computerized. This Institute is increasingly feeling the need of an International HBCR format. We have started to accrue cases in the basic HBCR format.

### **B.1.3.2. Inhouse and multi-centric clinical studies.**

The most important multi-centric Clinical studies are as follows:

#### **● Global ATLAS Project**

This is a global multi-centric randomized trial with International coordinating center at Oxford, UK. This Institute is participating in this project since the inception of the project in 1997. The trial tries to establish the optimum duration of usage of the drug Tamoxifen (an anti-estrogen) in females with breast cancer.

#### **● Project TANDEM**

This is a multicentric trial mediated by Cancer Foundation of India. The project is entitled "Breast Cancer Risk in Women: A Case Control Study in Eastern India".

#### **● Study with TEMOZOLAMIDE**

This is a multicentric, randomized bioequivalence study on the drug Temozolamide in Glioblastoma multiforme.

#### **● Study on Psychological Issues in Terminal care**

This is an interview based multinational multicentric study undertaken by PhD studies program of Madrid Autonomous University. The scheduled part of the study at SGCCRI has been completed.

Various other in-house clinical studies are in progress.



### B.1.3.3. Basic Research on Cancer.

The studies are mostly collaborative with other Institutes like Indian Institute of Chemical Biology, National Institute of Biomedical Genomics etc. Some of the studies are on-going/ completed while some are ethically cleared and yet to be initiated.

- Studies on Non-hereditary Pediatric Colorectal cancer: With NIBGM, Kalyani.
- Studies on anti-carcinogenic activity of some common plants and plant derivatives: With IICB, Kolkata.
- Studies on genetic studies on chemotherapy resistant breast cancer: With University of Calcutta.
- Studies on HPV 16 on Cervical cancer Pathogenesis: With NIBGM, Kalyani.
- Studies on HPV in Head & neck Cancers: In-house study with help from NIBGM.
- Studies on certain biomarker positivity in gastric adenocarcinoma: In-house study with overseas technical collaboration.
- Studies on MMPs in Ovarian cancers: With IICB, Kolkata.

### Other short-term projects

Post graduate students from various Institutes come to this centre for short term projects and dissertation work. A number of such projects have been successfully completed.

A number of faculty members of SGCCRI have been honored by different learned bodies and societies. They have participated and chaired in different conferences and seminars. A number of scientific communications have been published to their credit.

## B.2. Academic Activities

### PhD Programme

This Institute is recognised by University of Calcutta, Burdwan and Jadavpur for Ph.D studies in Oncology and allied subjects.

### DNB (Diplomate National Board) Program

The National Board of Examinations (NBE) recognizes this Institute for training in **Radiation Therapy** and **Surgical Oncology**. The yearly intake in each subject is limited to 2 students.

### Paramedical Courses

This Institute conducts 2-year diploma courses in Paramedical sciences recognized by the State Medical Faculty of West Bengal (WBSMF). We conduct the following 3 courses:

- Diploma in Laboratory Technology (DMLT-Tech)
- Diploma in Radiography (DRD-Tech)
- Diploma in Radiation Therapy Technology (DRT-Tech)



In the current year (2011 – 12), 8 DMLT-Tech, 4 DRD-Tech and 4 DRT-Tech students have been admitted. All the courses are running smoothly.

### **CME Program**

Since March 2006, this Institute is organizing CME programs regularly on every Thursday for the benefit of Faculty and DNB trainees. Apart from in-house faculty members, several guest speakers have delivered lectures on various topics on advanced oncology. The following table gives the number of such CMEs since its inception.

<b>Period</b>	<b>No of CMEs</b>
March 2006	5
April 2006 – March 2007	46
April 2007 – March 2008	48
April 2008 – March 2009	43
April 2009 – March 2010	43
April 2010- March 2011	45
April 2011- March 2012	49
<b>Total: 61 months</b>	<b>279</b>

Admission is free for any member of Oncological fraternity. The CMEs have become very popular. Detailed reports are regularly published in the Bulletin of the Institute.

### **CCWH&RI Bulletin**

This Bulletin contains good scientific articles in various fields of Oncology and related subjects. The academic and scientific activities of CCWH&RI are regularly published in these bulletins. Till date, 11 issues have been published.

### **Library**

This Institute's central library is located in the Audio-Visual Complex. The service is computerized. Readers have access to Internet from this library. It stocks books and journals on Oncology and allied subjects including nursing and medical technology. The library operates on the norms as laid down by the NBE. The representatives of NBE regularly inspect it. Apart from the Central Library, different departments also stock books and journal for regular day-to-day reference. The central Library also stocks popular books (fiction and non-fiction) for the use of the patients.

### **Scientific Conferences / Seminars**

Apart from the CMEs, a few scientific seminars, workshops and conferences were arranged in our Institute.

Please refer to Page No.13th & 14th for details.

### **B.3. Activities in Cancer Control**

This year, our Institute has participated in Cancer Control Program in various places of this State. The Programs included awareness lectures with slide shows, screening and video shows. This year, the Department of Gynecological Oncology of this Institute, along with Chittaranjan National Cancer Institute had participated in several screening camps under Cervical Cancer Prevention & Control Initiative (CPCI). Following Table gives the details of the major Cancer Control/ Awareness Lectures and Camps.



<b>Sr No</b>	<b>Date</b>	<b>Place</b>	<b>Co-organisers</b>	<b>Target Population</b>
1	April 30, 2011	Nimpith, Joinagar	Cervical Cancer Prevention & Control Initiative (CPCI), Chittaranjan National Cancer Institute (CNCI)	Women of reproductive age group. Awareness Lecture, VIA, HPV screening and subsequent colposcopy
2	May 26, 2011	Machhalandapur, Barasat	CPCI, CNCI	in deserving cases. Women of reproductive age group.
3	July 4, 2011	Nandigram	CPCI, CNCI	Women of reproductive age group.
4	Jul 25, 2011	Krishnanagar Womens College, Krishnanagar, Dist Nadia	Managing Committee, Krishnanagar Women's College, and, Subhendu Memorial Trust.	Faculty & College Students
5	Jul 25, 2011	DLRoy College, Krishnanagar, Dist Nadia	Managing Committee, Krishnanagar D L Roy College, and, Subhendu Memorial Trust.	College Students and Non-faculty workers.
6	July 26, 2011	Bouria, Howrah	CPCI, CNCI	Women of reproductive age group.
7	August 17, 2011	Fuleswar, Howrah	CPCI, CNCI and Sanjibani Hospital	Women of reproductive age group.
8	August 27, 2011	Nandigram	CPCI, CNCI	Women of reproductive age group.
9	Sep 21, 2011	Hiralal Paul College, Nabagram, Dist Hoogly.	Managing Committee & students' Union, S Hiralal Paul College	College Students
10	Sep 29, 2011	B C Roy Hospital, Haldia	Management of B C Roy Hospital	General population, Medical and Para-medical staff



<b>Sr No</b>	<b>Date</b>	<b>Place</b>	<b>Co-organisers</b>	<b>Target Population</b>
11	Nov 12, 2011	All India Womens' Congress, Calcutta South West Chapter	Members of the association	Members and women of local area
12	Dec 17, 2011	Tarakeswar Maternity Indian & Child Welfare Centre	Indian Scouts and Guides fellowship, E & SE Rly Chapter.	Local women and children
13	Dec18, 2011	4 <sup>th</sup> Annual cancer awareness programme at Budhha Temple, Sakchi.	Ashar Alo Ma Sarada cancer Helpline	General Population, Medical and Paramedical Staff.
14	Dec 18, 2011	Cancer Awareness Program at Math Bishnupur	Rotary Club of South Calcutta	General Population. Awareness program and screening
15	March 31, 2012	Behala	IMA, Behala	Awareness Lecture. IMA members and local population
16	April 29, 2012	Barrackpore	"SMILE" & D Ashish	Awareness Program & Screening
17	June 15, 2012	Golden Park	CESC	Awareness Program
18	June 30 – July 3, 2012	Kolkata	Bengal Chamber of Commerce	Scientific Awareness Program. & IMA, calcutta General Population and IMA members
19	July 4, 2012	Kolkata	Coal India	Awarenee Program on Cancer of Cervix and Breast
20	July 12, 2012	PARoad, Kolkata	Global Cancer Concern, India (GCCCI)	Awareness Program, Pall Care and Screening
21	July 21, 2012	Machhalandapur, Barasat	CPCI, CNCI	Women of reproductive age group.
22	August 12, 2012	Chetla	Rotary Club of calcutta	Awareness and Screening Program.



<b>Sr No</b>	<b>Date</b>	<b>Place</b>	<b>Co-organisers</b>	<b>Target Population</b>
22	August 12, 2012	Chetla	Rotary Club of calcutta	Awareness and Screening Program.
23	August 31, 2012	Ravindra Sarovar Stadium, Kolkata	Global Cancer Concern, India (GCCCI)	Awareness Program, Pall Care and Screening
24	October 2, 2012	Tarakeswar, Hoogly	“Bandhur Sparsha” and Retd SBI bank Emplpyees.	Awareness Lecture on Smoking and Breast Cancer. General Population and local Practitioners.
25	October 13, 2010	Machhalandapur, Barasat	CPCI, CNCI	Women of reproductive age group.





## ***Tie-up Arrangements***

We cater our services to the entire cross section of the society of this country and some of the neighboring countries. Satisfied with the excellence of service of this Institute, various authorities have executed tie-up arrangements with us. With this arrangement, they can refer their patients directly to us for treatment. Notable among them are:

### **Group 1**

- 1.1 West Bengal Health Scheme.
- 1.2 Ex-Servicemen Contributory Health Scheme (ECHS).
- 1.3 Employees State Insurance Corporation.
- 1.4 Sashashtra Seema Bal, Ministry of Home Affairs, Govt. of India.
- 1.5 CISF, NE Zonal Headquarters, Kolkata.
- 1.6 Border Security Force, 18<sup>th</sup> Battalion Headquarters, Kolkata.
- 1.7 Airport Authority of India.
- 1.8 South Eastern Railway.
- 1.9 Reserve Bank of India, Kolkata.
- 1.10 Indian Museum
- 1.11 Geological Survey of India
- 1.12 Anthropological Survey of India.
- 1.13 Indian Institute of Chemical Biology.
- 1.14 Indian Association for the Cultivation of Science.
- 1.15 RRMCC, Kolkata.

### **Group 2**

- 2.1 National Thermal Power Corporation Ltd.
- 2.2 Indian Oil Corporation Ltd.
- 2.3 Steel Authority of India Ltd.
- 2.4 Oil & Natural Gas Corporation Ltd.
- 2.5 Haldia Dock Complex, Calcutta Port Trust.
- 2.6 Damodar Valley Corporation.
- 2.7 Hindustan Copper Ltd.
- 2.8 Shipping Corporation of India.
- 2.9 Coal India Ltd.

### **Group 3**

- 3.1 CESC Ltd.
- 3.2 Hindustan Lever Ltd.
- 3.3 ITC Limited.
- 3.4 Garden Reach Ship Builder & Engineers Ltd.
- 3.5 Wood Land Hospital and Medical Research Centre Ltd.
- 3.6 Tata Motors Ltd.

### **Group 4**

- 4.1 Pacific Professional Network (PPN) system of Health Insurance.
- 4.2 Family Health Plan Ltd.
- 4.3 Gennis India Ltd.
- 4.4 Medicare TPA Services (I) Pvt. Ltd.
- 4.5 MD India Health Care Services (TPA) Pvt. Ltd.
- 4.7 Heritage Health Care (TPA).
- 4.8 Others.



## OBITUARY



### MR SUDHIR KUMAR GANGOPADHYAY :

Mr Gangopadhyay was the treasurer of our managing Committee. He was also a life member (LM 63) of this organization. He was a close friend of Late Dr Saroj Gupta. He was a scholar since his very youth. He stood first in the Matriculation Examination in undivided Bengal. He was a perfectionist by nature. The honorary service he rendered to this Institute was invaluable.

He left us of May 24 2012. We mourn his sad demise and pray for the peace of the departed soul.



### DR SARADA PRASANNA GHOSH, MBBS, DLO, MS :

Dr Ghosh was born on 2<sup>nd</sup> January 1924. He graduated from University of Calcutta in 1952. He had his DLO from The Royal College of Surgeons and Physicians, London in 1963. He did his MS from University of Calcutta in 1966. He served in various teaching hospitals of West Bengal. He retired from Government Service in February 1982 and joined this Institute in April of the same year as a consultant in the ENT Department.

He was benevolence personified. He helped everybody – patients, students, and other colleagues. He was a born scholar. The lectures he delivered in our CME sessions bore testimony to his capacity to study even the most advanced frontiers of molecular oncology at his age.

He was a life member of this Institute (LM 55). He breathed his last on February 1, 2012. With his sad demise, we lost an excellent surgeon, a phenomenal teacher and a dedicated mentor of this Institute.



### MR SUSANTA KUMAR DAS :

Mr Das was a life member (LM 50) of our Institute. He started his career as a trainee in American Refrigerator Company Ltd and finally became its production manager. After 22 years of service, he left his job and established his own enterprise – “Weather Maker” in 1978. He was the Chairman of the company.

He was associated with many reputed Institutions here and abroad. He was also a visiting lecturer in institution like Continuing Education Centre, Jadavpur University, ITI, CTI, Technical Teachers Training Institute & Government Polytechniques. He was an active Rotarian and was the past President of Rotary Club of Behala.

He left us on August 15, 2012. In his death we lost a keen member and advisor of our Institute. We pray for the peace of his departed soul.



### PROF (DR) S P MUKHOPADHYAY :

He was a medical doctor who specialized in Health Administration, Management and Environment. During his service, he occupied the coveted chair of the Director of Chittaranjan National Cancer Institute (CNCI), the Regional Cancer Centre (RCC) of this State.

After his retirement from Government service, he joined IISWBM as Head of Hospital Management to teach and train various health care providers with Health Administration. He was the Chairman of the Environment Monitoring Sub-Committee of this Institute. His enthusiasm in every sphere of life, especially health care was phenomenal.

He breathed his last on August 17, 2012. His sad demise was an irreparable loss to this Institute.



## OBITUARY



### MR DIPANKAR DUTTA GUPTA :

Mr Dutta Gupta was a life member of this Institute (LM 58). He was the son of Hirendra Nath Duttgupta, ex-President of our Institute. He was born on 27<sup>th</sup> October, 1950. He graduated with economics from St Xavier's College, Calcutta and had his MBA from New York State University. Upon his return, he joined East India Pharmaceutical Works Ltd as Manager – Planning & Development. He became a member of the Board of Directors in 1983 and became one of the Managing Directors in 1987 and continued in that post till his death on August 7, 2012.

He was the Chairman of Indian Chemical Council (Eastern Region) and later became the President of its all India body. He was also an Executive Committee Member and Chairman of the Medical Committee of OPPI. He also served as the President of Bengal National Chamber of Commerce & Industry. He also served as the President of Rotary Club of Behala.

With his sad demise, we lost a keen benefactor of this Institute. We pray for the peace of his departed soul.



### DR SATYABRATA CHAKRABORTY :

Dr Chakraborty graduated (MBBS) in 1953 from Medical College, Calcutta. He had Post Graduate training in Industrial Medicine & Hygiene from All India Institute of Hygiene & Public Health. He joined M/S Hindustan Lever Ltd as Medical Officer and became an authority on Industrial Health and Safety Engineering. He served as examiner in Industrial Hygiene and Public Health. He served as member of Technical Education Committee, Govt of West Bengal. He was the past president of Indian Association of Occupational Health and past Vice President of National Safety Council, West Bengal Chapter.

He joined this Institute as a Medical Administrator in 1997 and continued his services till his health started to fail in early 2012. He breathed his last on 29<sup>th</sup> of November 2012.

We would always remember him as a very active administrator who was loved and respected by all. We pray for the peace of his departed soul.



### MR MAHENDRA SWARUP :

He was a Life Member of this Institute (LM 44). He was born on 1<sup>st</sup> February 1920. He had his MSc in Physics from Allahabad University and joined the Uttar Pradesh Civil Service at the age of 21. He was an expert in wood technology and doyen of Indian Cooling Tower industry. He founded Paharpur Cooling Tower Ltd in 1971. He was the Founder Chairman of Kalyan Bharati Trust that owns and runs the Heritage group of Educational Institutes. Through his philanthropic activities, he was associated with our Institute, The Ramakrishna Mission, Rotary Club, Narayana Nethralaya and Shankara Nethralaya.

The '**Swarup Ward**' at our hospital was built on his generous donation.

He passed away in Kolkata on 18<sup>th</sup> January 2012 at the age of 91 years. He is survived by his wife, two sons and a daughter and their families.

With his sad demise, we lost a philanthropist and a benefactor of this Institute. We pray for the peace of his soul.