

Harish-Chandra Research Institute

Chhatnag Road, Jhunsi, Allahabad - 211 019



ANNUAL REPORT

(2015-16)

CONTENTS

1. About the Institute	3
2. Director's Report	6
3. Governing Council	8
4. Academic Staff	10
5. Administrative Staff	12
6. Summary of Research Activities in Mathematics	13
7. Summary of Research Activities in Physics	15
8. Library	18
9. Computer Centre	19
10. Construction Activity	20
11. Note on Persons with Disabilities & SC/ST	21
12. Vigilance and Security Report	22
13. Auditor's Report	23
14. Annual Accounts	25
15. Action Taken Report (on Auditor's Report)	42

About The Institute

Early Years

The Harish-Chandra Research Institute is one of the premier research institutes in the country. It is an autonomous institute fully funded by the Department of Atomic Energy, Government of India. Till October 10, 2000 the Institute was known as Mehta Research Institute of Mathematics and Mathematical Physics (MRI) after which it was renamed as Harish-Chandra Research Institute (HRI) after the internationally acclaimed mathematician, late Prof Harish-Chandra.

The Institute started with efforts of Dr. B. N. Prasad, a mathematician at the University of Allahabad, with initial support from the B. S. Mehta Trust, Kolkata. Dr. Prasad was succeeded in January 1966 by Dr. S. R. Sinha, also of Allahabad University. He was followed by Prof. P. L. Bhatnagar as the first formal Director. After an interim period in January 1983, Prof. S. S. Shrikhande joined as the next Director of the Institute. During his tenure the dialogue with the Department of Atomic Energy (DAE) entered into decisive stage and a review committee was constituted by the DAE to examine the Institute's future. In 1985 Shri N. D. Tiwari, the then Chief Minister of Uttar Pradesh, agreed to provide sufficient land for the Institute and the DAE promised financial support for meeting both the recurring and non-recurring expenditure. In January 1990, about 66 acres of land was acquired in Jhunsi, Allahabad and the Institute came up at this site.

Prof. Shrikhande was followed by Prof. H. S. Mani who took over as the Director in January 1992. With his joining and the shift to the new campus at Jhunsi in 1996, the Institute's activities picked up pace. This phase of rapid growth still continues.

New Phase

After a distinguished tenure of about nine years Prof. Mani retired in August 2001 and the charge was taken over by Prof. R. S. Kulkarni. After Prof. Kulkarni's tenure, Prof. Amitava Raychaudhuri was the Director from July 19, 2005 to May 15, 2011. Prof. Jayanta Kumar Bhattacharjee, the current Director, took over in April 29, 2012. The Institute continues to be devoted to fundamental research in diverse areas of mathematics and theoretical physics. Research is carried out by faculty members, visiting members, post-doctoral fellows and Ph. D. students.

Since 1992 the Institute has attracted worldwide attention, as is evident from the recognition received by many of its members. Several members of the Institute have been recognised for their scientific contribution. Prof. B. Mukhopadhyaya, Prof. Pinaki Majumdar, Prof. Rajesh Gopakumar and Prof. Ashoke Sen have been awarded the Shanti Swarup Bhatnagar prize for work done at HRI. Prof. Gopakumar has also received the Swarnajayanti Fellowship of the Department of Science & Technology and the ICTP Prize for 2006. The outstanding contribution of Prof. Ashoke Sen has been recognised by a Fellowship of the Royal Society, the award of Padmashri and Padmabhushan and the award of one of the first Fundamental Physics Prize (2012) from the Yuri Milner Foundation. He was the only recipient of the prize from all of Asia.

Prof. Rajesh Gopakumar was awarded the prestigious J. C. Bose fellowship of the Department of Science and Technology and the TWAS physics prize in October 2013 and also he won the G D Birla prize in physical sciences for the year 2013 earlier this year. Prof. Aditi Sen De received the Buti foundation award of the Indian Physics Association for the year 2013. Prof. Raj Gandhi was awarded the “Fermilab Intensity Fellowship” which would allow him to work at Fermilab for a considerable period.

Research in Mathematics

The mathematics group at HRI carries out research in several areas. In algebra, work is done on algebraic groups and related structures, the theory of groups and group rings, representation theory, and infinite-dimensional Lie algebras. Work in analysis is in the field of harmonic analysis of Lie groups.

Activity in geometry includes discontinuous groups and Riemann surfaces, algebraic topology, variational problems on manifolds, Chow groups of rational surfaces, and moduli of vector bundles. The number theory group works on algebraic, analytic and combinatorial number theory, automorphic forms and cryptography.

Research in Physics

Research in Physics at HRI is carried out in the fields on astrophysics, condensed matter physics, quantum information and computing, high energy phenomenology and string theory. In astrophysics, work is done on the

cosmic microwave background, large scale structure formation and galaxy evolution. Main areas of activity in condensed matter physics are strongly correlated electron systems, mesoscopic systems, quantum Hall effect and superconductivity. In string theory, perturbative and non-perturbative aspects of string theory and quantum field theory are being actively investigated. Research in neutrino physics, strong interactions, lattice gauge theory, supersymmetry and various aspects of physics beyond the standard model is done in high-energy phenomenology. The Institute is a member of the India-based Neutrino Observatory (INO) collaboration.

The Institute has a residential campus in Jhansi, Allahabad with a library, state of the art computational facility and fast Internet link to the outside world. There is an active graduate program and a large traffic of visiting scientists and students.

Director's Report

The past year was marked by a variety of interesting lectures, workshops, conferences and schools that brought into sharp focus the academic liveliness of the campus.

There were two Harish-Chandra Memorial lectures in the course of the year. The first was in August 2015 and was given by Prof H S Mani, a former director of HRI and an adjunct professor of Chennai Mathematical Institute at present. He talked about the recently discovered phenomenon of extreme slowing down of light in certain special materials in a lecture titled “Light in a medium-slow light and fast light”. The second Harish Chandra memorial lecture was delivered by Prof Sekhar Basu - the DAE Secretary and the Chairman, Atomic Energy Commission of India. This lecture titled “Achievements of the Department in Science, Technology and the Building of Man-power” gave an extremely interesting insight into the not –so-publicized innovations and developments that have been responsible for the nation ‘s progress. Coming from a person responsible for the building in India of the land based propulsion system for the nuclear submarine , this was an eye-opener in many ways.

There was a Girdhari Lal Mehta lecture organized in February 2016. The speaker was Prof Nathan Berkowitz, a well known string theorist from the Institute de Fisica Teorica in Brazil. The topic was “Twistors and Superstrings”. The annual Foundation Day lecture was given by Prof Swapan Chakravarty, the first Rabindranath Tagore Distinguished Professor of Presidency University in Kolkata. He spoke on “Literature, Ideology, Belief and Knowledge”. To celebrate the detection of gravitational waves a special lecture was delivered by Prof Tarun Souradeep of IUCAA who is one of the leading figures in LIGO, India. This lecture also marked the opening of a medium sized auditorium funded by the REKAPP project and suitably christened “The Higgs Lecture Theatre”

There were workshops, schools and conferences galore. In December 2015, the Quantum Information group organized a QIPA-2015. There was an intensive string theory workshop over two weeks in early February followed by an equally demanding high energy physics workshop named Sangam@HRI. In March there was a very well attended school on

“Nanoscale electronic transport and Magnetism” followed by a neutrino physics meeting aptly named “Nu-Horizons”.

A workshop on geometry and topology was held in December 2015 and the “Triveni Number Theory Meet” followed in March 2015. This meeting celebrated the 65th birthday of the eminent number theorist Prof R Balasubramanian, who is also a council member of HRI.

The outreach activities of HRI flourished as usual. The summer program in mathematics (SPIM) was as popular as ever. A week long science camp in Hindi was conducted to help local students get a feel for scientific logic. The science talent test in maths and physics for 10th and 12th grade students in the Allahabad area was conducted in November.

Future Programme

As reported last year, HRI which has built a strong reputation in research and the course work part of the Integrated PhD program had plans to expand into a full-fledged post graduate institution giving both MSc and PhD degrees under the aegis of HBNI. It is a pleasure to report that HBNI has approved the academic program of the 2- year Masters degree. The institute needs to set up a teaching laboratory for the physics course. It has the space infrastructure but the laboratory equipments need to be bought. Over the first four years of the 12th five year plan some money had been saved and DAE has very kindly allowed the institute to use those funds for purchasing equipments for the laboratory course. It is expected that the two year MSc program will start in August 2017.

Jayanta Kumar Bhattacharjee
Director

Governing Council

1. Prof. M. S. Raghunathan
Chairman
503, Atlantis
Raheja Acropolis – 1,
Deonar Pada Road, Deonar,
Mumbai – 400 088
2. Prof. R. Balasubramanian
Institute of Mathematical Sciences
CIT Campus, Taramani,
Chennai – 600 113
3. Mr. R.A. Rajeev
Joint Secretary (Finance)
Govt. of India
Deptt. of Atomic Energy
Anushakti Bhavan
Chhatrapati Shivaji Maharaj Marg
Mumbai – 400 001
4. Smt. Chitra Ramachandran
Joint Secretary (R& D)
Govt. of India
Deptt. of Atomic Energy
Anushakti Bhavan,
Chhatrapati Shivaji Maharaj Marg,
Mumbai – 400 001
5. Dr. J. N. De
BH-135, Sector II
Salt Lake,
Kolkata – 700 091
6. Prof. S.M. Chitre
Chair, Academic Board
University of Mumbai
Department of Atomic Energy
Centre for Excellence in Basic
Sciences (UM-DAE-CBS)
Health Centre Building
University of Mumbai
Kalina Campus,
Mumbai – 400 098

7. Prof. H. S. Mani
2, Fourth Cross Street,
Durga Colony, Sembakkam
Chennai - 600 073
8. Director, Higher Education
(Ex-officio)
Higher Education Department, U.P.
Near G.P.O., Civil Lines,
Allahabad – 211 001
9. Mr. S. L. Mehta
4, Clive Row
Kolkata – 700 001
10. Mr. Avnish Mehta
4, Penn Road
Kolkata – 700 027
11. Mr. Rajnish Mehta
4, Penn Road,
Kolkata – 700 027
12. Prof. J.K. Bhattacharjee
(Ex-Officio)
Director
Harish-Chandra Research Institute
Chhatnag Road, Jhunsi,
Allahabad – 211 019

Academic Staff

Mathematics

S.No.	Name	Designation	E-mail Id
1.	Prof. S.D. Adhikari	Professor 'H'	adhikari@hri.res.in
2.	Prof. B. Ramakrishnan	Professor 'H'	ramki@hri.res.in
3.	Dr. Kalyan Chakraborty	Associate Professor 'G'	kalyan@hri.res.in
4.	Dr. Rukmini Dey, (on lien)	Associate Professor 'G'	rkmn@hri.res.in
5.	Dr. Punita Batra	Associate Professor 'G'	batra@hri.res.in
6.	Dr. D. Surya Ramana	Associate Professor 'G'	suri@hri.res.in
7.	Dr. R. Thangadurai	Associate Professor 'G'	thanga@hri.res.in
8.	Dr. N. Raghavendra	Associate Professor 'G'	raghu@hri.res.in
9.	Dr. C.S. Dalawat	Professor 'H'	dalawat@hri.res.in
10.	Dr. P.K. Ratnakumar	Professor 'H'	ratnapk@hri.res.in
11.	Dr. Manoj Kumar	Associate Professor 'G'	myadav@hri.res.in
12.	Dr. Gyan Prakash	Reader 'F'	gyan@hri.res.in
13.	Dr. Hemangi M. Shah	Reader 'F'	hemangimshah@hri.res.in

Physics

14.	Prof. Jayanta Kumar Bhattacharjee	Director	jkb@hri.res.in director@hri.res.in
15.	Prof. B. Mukhopadhyaya	Professor 'H'	biswarup@hri.res.in
16.	Prof. Sudhakar Panda, (on lien)	Professor 'H'	panda@hri.res.in
17.	Prof. S. Naik	Professor 'H'	naik@hri.res.in
18.	Prof. Raj Gandhi	Professor 'H'	raj@hri.res.in
19.	Prof. Ashoke Sen	Distinguished Professor	sen@hri.res.in
20.	Prof. Sumathi Rao	Professor 'H'	sumathi@hri.res.in
21.	Prof. Dileep Jatkar	Professor 'H'	dileep@hri.res.in
22.	Prof. Pinaki Majumdar	Professor 'H'	pinaki@hri.res.in

23.	Prof. Rajesh Gopakumar, (on lien)	Professor 'H'	gopakumr@hri.res.in
24.	Dr. T. P. Pareek	Associate Professor 'G'	pareek@hri.res.in
25.	Dr. Prasenjit Sen	Professor 'H'	prasen@hri.res.in
26.	Dr. Tapas Kumar Das	Associate Professor 'G'	tapas@hri.res.in
27.	Dr. Aseshkrishna Datta	Associate Professor 'G'	asesh@hri.res.in
28.	Dr. Sandhya Choubey	Associate Professor 'G'	sandhya@hri.res.in
29.	Dr. Ujjwal Sen	Associate Professor 'G'	ujjwal@hri.res.in
30.	Dr. Aditi Sen De	Associate Professor 'G'	aditi@hri.res.in
31.	Dr. G. Venketeswara Pai	Reader 'F'	venkat@hri.res.in
32.	Dr. Arun Kumar Pati	Professor 'H'	akpati@hri.res.in
33.	Dr. Anirban Basu	Reader 'F'	anirbanbasu@hri.res.in
34.	Dr. Santosh Kumar Rai	Reader 'F'	skrai@hri.res.in
35.	Dr. Anshuman Maharana	Reader 'F'	anshumanmaharana@hri.res.in

Administrative Staff

S.No.	Name	Designation	E-Mail Id
1.	Shri Ravindra Singh	Registrar	registrar@hri.res.in
2.	Shri Rajkumar Gulati	Accounts Officer	gulati@hri.res.in
3.	Dr. Vijay Raghav Tiwari, (on lien)	S.O. 'E'	vrtiwari@hri.res.in
4.	Shri Manish Sharma	S.O. 'D'	manish@hri.res.in
5.	Shri Amit Roy	I.A.&A.O.	amit@hri.res.in
6.	Shri Sanjai Verma	Systems Manager	sanjai@hri.res.in
7.	Shri Ajay Kumar Srivastava	SO 'C'	ajay@hri.res.in
8.	Shri Vijay Kumar Srivastava	SO 'C'	vijay@hri.res.in
9.	Shri Jagannath Yadav	Accountant	yadav@hri.res.in
10.	Shri Ram Prakash Sharma	Manager Guest House	sharma@hri.res.in
11.	Ms. Archana Tandon	Office Superintendent	archana@hri.res.in
12.	Smt. Anju Verma	SO(SB)	anju@hri.res.in
13.	Shri Umakant Dwivedi	Cashier	uma@hri.res.in
14.	Shri Dharmendra Malhotra	Upper Division Clerk	malhotra@hri.res.in
15.	Shri Karunesh Kumar Srivastava	Upper Division Clerk	karunesh@hri.res.in
16.	Shri Yashpal Singh Bhadouria	Senior Stenographer	yashpal@hri.res.in
17.	Smt. Sumitra	Upper Division Clerk	sumitra@hri.res.in
18.	Smt. Seema Agarwal	Receptionist	seema@hri.res.in
19.	Shri Om Kumar Karn	Jr. Hindi Translator	omkarn@hri.res.in
20.	Shri Surendra Yadav	Store/Purchase Officer	surendrayadav@hri.res.in
21.	Shri Dharampal Sharma	Jr. Lib. Assistant	dsharma@hri.res.in
22.	Shri Sanjeev Nagar	Hindi Typist	sanjeev@hri.res.in
23.	Shri Dinanath Dubey	Bearer (Canteen Cadre)	-
24.	Shri Kamlesh Thakur	Bearer (Canteen Cadre)	-
25.	Shri Ramakant Dixit	Peon/Watchman	-
26.	Shri Kamta Prasad	Peon/Watchman	-
27.	Shri Rajesh Kumar	Safaiwala	-
28.	Shri Munna Lal	Gardener	-

Summary of Research Activities in Mathematics

Number Theory:

New results about the zero-sum problem with weights has been obtained. Several works have been done on Hecke multiplicative functions and Hurwitz zeta function. A study on the cardinalities of the sets of quotients and products of a large set of integers A in various contexts. First, these quantities are studied as random variables on the set of sets of prescribed density of integers in an interval and then for large subsets of shifted primes and sums of two squares of natural numbers. A new version of well known Perron's formula in short interval question is obtained. This formula is applied together with the Generalised Riemann Hypothesis, to a short interval problem on primitive roots. We generalize the result of Kevin Henriot. A new proof of Prime number theorem has obtained.

An explicit description of a natural quotient of the absolute Galois group of a local field which is neither tamely ramified nor commutative. New results on Fourier coefficient of well-known functions has obtained. An upper bounds for a three variable non-linear Diophantine equation positive solutions were obtained. Four Exponential Conjecture has been taken up.

Further study on the convolution sums of the divisor functions and their applications has been carried out. The Kohnen plus space has been extended for certain even levels and the theory of newforms has been studied. Generalization of a conjecture of D. Zagier regarding the asymptotic behavior of the inverse Mellin transform of the symmetric square L-function associated to Ramanujan tau function for general cusp forms have been completed. Work is in progress to get better estimates as these estimates give information of the associated 'heat kernel'. Gauss's quadratic reciprocity law and Riemann's non-differentiable function has attracted attention of many researchers. We study the Complex power of Dirichlet series associated to Hecke eigen forms. Work is also in progress on a method of extracting the essential main term from the data on generating functions.

Algebra and Geometry:

We get new results on non-linear irreducible characters of finite group, automorphisms of finite p -groups. Working on generalisations of the Atiyah-Weil theorem on holomorphic connections, and of the Krull-Remak-Schmidt theorem of Atiyah. Classified all finite groups whose non-linear irreducible characters of the same degree are Galois conjugate.

On Geometric quantization of finite Toda system and Ramanujan's identities, minimal surfaces and solitons we achieve new results. A project of studying generalized Seiberg-Witten equations reduced to dimension two and also a project of exploring ways of viewing many equations coming from physics as integrable systems, for instance the vortex equations, Feuter equations etc. has been seriously taken up.

Analysis:

In Harmonic analysis the study of Schrodinger equation on Modulation spaces, Hardy Sobolev inequality for the twisted Laplacian, Maximal operators along hyper surfaces and Fourier integral operators has been involved during one year. One of the main results on modulation spaces, shows that the only nonlinearity that can act (by composition) on a large family of Modulation spaces of interest, is real analytic. This in particular answers an open question negatively.

For a large class of hyper surfaces, we could prove boundedness. The work on Fourier integral operators, concerns the local smoothing property. The work on Maximal operators along hyper surfaces concerns mapping properties in Lebesgue spaces. The Fourier integral operators with phase function corresponding to the wave equation has considered. The study involves delicate oscillatory integral techniques and is still in progress.

Summary of Research Activities in Physics

The Harish-Chandra research institute has five divisions in physics -- Astrophysics, Condensed Matter Physics, High Energy Physics, Quantum Information and Computing, and String Theory. We summarise the activities of each division:

Astrophysics

The Astrophysics group consists of one permanent faculty member, two post doctoral fellows and two Ph.D. students. At present three students from other academic institutes are pursuing their MS thesis under the supervision of the members of this group. The group has a generous visitor programme under which several members of the other research/teaching institutes from India and abroad visit every year.

During last one year, members of this group are working in the field of Gravastars, on study of wormholes, quintessence scalar fields, holographic dark energy models, self gravitating Bondi flow, non-integrability and chaotic dynamical behaviour of particles in the Kerr metric, analogue gravity phenomena and accretion astrophysics in general.

Condensed Matter Physics

The condensed matter group is currently involved in studies of topological phases of quantum matter, correlated systems, and density functional studies of matter.

On topological matter the studies are on Weyl semimetals focusing on transport. There is also activity on the presence of Majorana degrees of freedom which can aid in quantum computation. A recently developed method to study correlated states of matter has been used to establish the physics of disordered and magnetic superconductors, spin liquid states in Mott insulators, and correlated bosons. Density functional studies include substrate supported clusters, the choice of appropriate surfaces for growing clusters, and analysis of phosphorene.

Quantum Information and Computing

Quantum information and computation is an area of research which promises an efficient method for communication and better computational power than their classical counterparts. The broad areas of research by the members of the group include quantum correlations and quantum coherence, and their implications in real physical systems, like photonic and ultracold gas systems. More specifically, some of the topics of research are quantifying quantum coherence, proving new quantum uncertainty relations, measurement-disturbance relations, weak measurements, new quantification of multiparty quantum correlations, multipartite entanglement generation in non-Gaussian states, effect of open systems on the dynamics of quantum correlation and coherence, information complementarity relation, multipartite entanglement in many-body Hamiltonian, like Heisenberg ladders and disordered systems, etc. We have obtained a complementarity relation between purity and quantum mutual information in the tripartite scenario, to provide a bound on the secret key rate for individual attacks on a quantum cryptography protocol. We have proved new uncertainty relations for unitary operators which are stronger than previous ones. We have also provided an operational meaning to quantum coherence and shown how this quantifies the wave-particle duality relation.

The quantum information and computation group at HRI consists of three faculty members, fourteen PhD students, five postdoctoral fellows, and two adjunct professors. The group has research contacts with several other groups, both theoretical and experimental, in different institutes in India and abroad (mainly in Europe, Singapore, Canada, and the US). The group encourages students, and junior and senior scientists as visitors for short research stays from all over India and abroad, as part of their general manpower development program. Members of the group have presented invited lectures in different institutes in India and abroad to disperse the research performed by the group, as well as to forge new collaborations. The group has produced 20 research papers in the last academic year including Physical Review A, Physical Review E, New Journal of Physics, Europhysics Letters, etc. We have organised an international-level meeting in the past academic year to nurture young minds and potential researchers in the field of quantum information and quantum computing.

String Theory

String theory is the leading candidate for providing a unified description of all forces in nature. In the past year, string theory group members in HRI have pursued research in various areas of string theory.

Basic formalism in string field theory and string perturbation theory has been developed. This has provided methods to compute various off-shell quantities in string theory. The formalism also gives an unambiguous prescription to carry out calculations in string perturbation theory. Micro state counting of blackholes has been carried out and their rotational properties have been analysed. Free field theory realisations of the BMS algebra have been studied. Stokes phenomenon in the context of interpolating functions and $N=2$ supersymmetric gauge theories has been analysed. The interplay between supergravity theories with maximal supersymmetry and string theory has been explored. In this context, both BPS and non-BPS interactions have been studied. Various exact results for BPS interactions have been obtained. The effect of moduli fields on inflationary predictions of models of inflation constructed from string theory have been studied. Supersymmetry breaking in IIB flux compactifications has been studied. Toy models of strongly coupled systems using the AdS/CFT correspondence have been analysed.

Library

The Institute's library is one of the best equipped libraries in the region. Being the library of a research Institute, it provides the required support to the academics and research activities. It remains open on all the working days from 8:00 a.m. to 2:00 a.m. including Saturdays. It also remains open on Sundays and the Gazetted holidays from 10:00 a.m. to 6:00 a.m. During the period from 1st April 2015 to 31st March 2016, it has added 281 (Two hundred eighty one) books including 74 gifted books to its fold, increasing the total number of books to 21801 (Twenty one thousand eight hundred and one) which includes 1194 gifted books. It has also added 906 bound volumes of the journals, increasing its bound volume collection to 36829 (Thirty six thousand eight hundred twenty nine). The Institute's library has total collection of 58630 (Fifty eight thousand six hundred and thirty) books and bound volumes. The library has subscribed to 153 journals during this period, which includes 99 online journals. The library has subscribed the archives of Springer in 'Lecture Notes in Mathematics'. The library security has been strengthened with the implementation of Electro-Magnetic Gate and Tattle tapes.

The physical stock verification was recently completed with the help of PDT (Portable Data Terminal). The whole collection of documents is 'Bar Coded' and equipped with 'Tattle Tapes' for security. It reflected no loss of any title in the category of books and journals.

We enriched Digital Library Repository of the HRI, which includes submitted articles, thesis, lectures etc. The library Web page has also been updated which provides detailed information about the library such as subscribed databases, archives, library rules, library staff, list of online journals, online link to video lectures and other useful links. The emphasis was to procure maximum number of journals on line. LibSys 7 is used as Library Management Software. Web enabled library catalogue has been provided to the users. The library is aiming to be entered as a 'Completely Automated Library System'. The online catalogue has increased the opportunities to use our library resources by the neighbouring organisations such as INSDOC, TIFR, IMSC etc. through the Document Delivery System (DDS). Normally DDS is provided on request by post, or by email. The use of library has been encouraged by providing the library consultation facilities to the neighbouring Institutes.

Computer Centre

1. The computing facilities of the Institute are one of the best in the country. It provides the required support to the academics and research activities and to administrative activities. The computing facilities are available 24x7x365.
2. The entire HRI campus is connected with OFC based 1Gbps backbone providing the network and Internet connectivity to each and every office, hostel and guest house helping the scientists and all the other members on campus to work from any place in the campus even during night hours.
3. All the desktops of the faculty, students, post doctoral fellows and visiting fellows were upgraded with the newer version of Linux operating systems.
4. New versions of several applications software and packages were loaded on users' systems, computer centre systems and conference room systems, which provided the researchers to do their numerical and analytical calculations faster and obtain more precise results.
5. All the important packages were upgraded on Mail, Webmail, DNS, SSH, DHCP+DDNS, Proxy, LDAP and Firewall servers for the better, reliable and secure performance. Firewall rules were modified to increase the security level of the servers.
6. During the various conferences computer facilities were provided in the conference computer room to all the participants. Adequate computer support were provided to participants of the conferences.
7. 12 desktop computers are being purchased for 2nd year Ph.D. Students.
8. High end rack servers with large storage were purchased to cater the present need of the academic and administrative staff.

Current activities and plans:

1. It is planned to further enhance the performance and security level of Mail, Webmail, NFS, LDAP and firewall servers.
2. It is planned to upgrade all the old Desktops of faculty members, students, post doctoral fellows and administrative members.
3. It is planned to purchase a colour printer for the computer centre users.

Construction Activity

Activities related to building construction work from February-2013 was affected due to order of Hon'ble High court in regard to PIL no. 4003 of 2006 related to Ganga pollution The Hon'ble High Court has passed an order that no construction shall be carried out within the 500 meters of Highest Flood Level (HFL) of river Ganges in the year 1978. According to that, HRI fall within this prohibited range. HRI has filed an application in Court for relief against this order as HRI has its own Sewage Treatment Plant (STP) with almost zero discharge and cannot cause pollution to river Ganges. The decision of Court in our case is still awaited therefore from last three years major construction activity is almost stopped.

Some miscellaneous works related maintenance/modifications were carried out during this financial year.

- Supply & fixing of Speed breaker at some places in campus and Boom barrier at Security Main gate.
- Re-carpeting of existing roads in campus
- Drainage work at some places in campus
- Renovation work related to conversion of two room into suite in Guesthouse
- Enclosure of Cubicles area at first floor in Library building
- Water proofing treatment in Gym area of Community centre
- Miscellaneous civil works near new Hostel building
- Miscellaneous civil works related to Stores section near Engineering building
- Development for some internal approach path near Children park
- Modification work related to lecture hall at first floor of Library building
- Providing and fixing of MS gate in the compound wall at ground floor of D, C, B type housing

Note on Persons with Disabilities & SC/ST

This Institute is devoted to theoretical research in the field of Physics and Mathematics, is financially supported by the Department of Atomic Energy, Government of India. Its activities are overseen by the Governing Council and its day-to-day activities are administered by the Director of the Institute. The Institute has a very limited number of sanctioned positions, which are evenly distributed between the Academic & Administrative posts. The Institute does not have any specific scheme catering to persons with disabilities and therefore there is no specific budget allocated in this regard. The recruitment of Academic members is on the basis of their merit whereas recruitment in other sections of the Institute is done through an open advertisement. However, the Institute is sensitive to the subject of recruitment of persons with disabilities and would support such persons as and when the occasion arises. The Institute has recently advertised one post of Scientist 'E'/Fellow 'E' for person with disabilities and the screening of applications is in process.

Also the Institute is aware of its social obligation towards representation of Scheduled Castes and Scheduled Tribes in its services and follows the appropriate norms in recruitment.

Vigilance and Security Report

There is nothing specific to report from vigilance/security point of view for the period up to 31st March, 2016. The Institute follows the instructions received from DAE time to time pertaining vigilance/security matters.

We have ensured the submission of Annual Property Returns (APRs) of all eligible employees up to 31.12.2015 and they have been scrutinized.

Further, regarding “Declaration of Assets and Liabilities by Public Servants under the Lokayukta Act 2013 for the years 2013-14, 2014-15 & 2015-16, Deptt. Of Personnel and Training has extended the date of submission of all declarations upto 31.12.2016.

AUDITOR'S REPORT

1. We have audited the attached Balance Sheet of Harish-Chandra Research Institute, Allahabad as at 31st March, 2016 and also the Income and Expenditure Account for the year ended on that date annexed thereto. These financial statements are the responsibility of the management of the Institute. Our responsibility is to express an opinion on these financial statements.

2. We conducted our audit in accordance with auditing standards generally accepted in India. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining on a test basis, evidence supporting the accounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management as well as evaluating the overall financial statement presentation. We believe that our audit provides a reasonable basis for our opinion.

3. Subject to our comments as per annexure- "A" read with significant accounting policies and notes on accounts appearing in Schedule- 11 annexed hereto, we report that:
 - a. We have obtained all the information and explanation, which to the best of our knowledge and belief were necessary for the purpose of our audit.
 - b. In our opinion, proper books of accounts as required by law have been kept by the institute, so far as it appears from our examination of the books.
 - c. The Balance Sheet and Income and Expenditure Account dealt with by this report are in agreement with the books of accounts.
 - d. In our opinion and to the best of our information and according to the explanations given to us, the said accounts give a true and fair view :
 - i. In case of Balance Sheet, of the state of affairs of the Institute as at 31st March, 2016.
 - ii. In case of Income and Expenditure Account, of the excess of Expenditure over income of the Institute for the year ended on that date.

For Amit Om & Co
Chartered Accountants
FRN: 011957C

Place: Allahabad
Date: 03/08/2016

Amit Agarwal
Partner
M.No. 400193

Annexure “A” to the Auditor’s Report
(Referred to in paragraph 3 of our Report of even date)

1. An amount of Rs. 4,78,50,030/- has been shown as Capital WIP of which construction has stopped through ADA order.
2. Amount recoverable against completed projects shown as claims recoverable. Institute should take necessary steps to recover or write off the following amount :

A. NBHM Grant-K. Gangopadhyay	Since 2007	Rs.47,533.00
B. NBHM Grant-Joseph Samuel	Since 2007	Rs.17,030.00
C. DST-SFT Manoj Kumar	Since 2007	Rs. 33,961.00
D. NBHM Fellowships	Since 2009	Rs. 1,85,867.00
E. HNB Garhwal University	Since 2010	Rs. 40,000.00
F. Ramanujan Maths Society (DST)	Since 2012	Rs.8,750.00
3. During the year no interest on Security deposit with UPSEB was received.
4. Balance of EMD, Security Deposits, Sundry Creditor, Loan & Advances and Claims Recoverable etc. are subject to confirmation, Reconciliation and consequential adjustments thereof.
5. Physical verification of Fixed Assets has not been carried out by the Institute for some of there departments. The quantity and value reconciliation has not been done with fixed assets register for all the items therefore we are unable to comment that financial records are in agreement with assets as recorded in fixed assets register.
6. Amount of Rs. 6,47,829.76 received in Bank of Baroda A/c No. 108 and not related to institute is shown in bank reconciliation statement as at 31st March 2016.
7. Unutilized amount of the Non Plan Grant has been taken as income in the current year 2015-16 instead of treating it as current liability as the unutilized grant of government is adjusted against next years grant. Therefore income of the institute has been overstated to such extent (Rs.48,57,544.58) for the year 2015-16.
8. Previous Year’s figures have been regrouped or rearranged wherever necessary.

For Amit Om & Co
Chartered Accountants
FRN: 011957C

Place: Allahabad
Date: 03/08/2016

Amit Agarwal
Partner
M.No. 400193

Harish-Chandra Research Institute

Chhatnag Road, Jhansi, Allahabad, Uttar Pradesh 211 019

Balance Sheet as at March 31st, 2016

as at 31-Mar-2015	Liabilities	Sch	as at 31-Mar-2016	as at 31-Mar-2015	Assets	Sch	as at 31-Mar-2016
39,19,885.27	CORPUS / CAPITAL FUND		1,24,45,843.44	13,92,74,539.41	Fixed Assets	5	13,53,11,320.60
3,49,45,732.61	Opening Balance		39,19,885.27	15,74,01,477.85	Land & Building		15,74,01,477.85
4,16,20,584.00	Add: Assets Capitalization Plan Grants		1,40,36,449.00	4,84,07,963.32	Furniture & Fixtures		4,88,88,033.32
1,96,51,192.00	Add: Assets Capitalization Non-Plan Grants		2,19,21,780.00	4,40,13,168.54	Other Assets		4,43,73,474.54
37,21,314.00	Add: Receipts & Additions to Fund		45,08,287.00	23,42,58,657.92	Library Assets		25,81,48,653.92
0.00	Less: Expenses/Adjustments of earlier years		-13,92,042.06	26,48,04,252.96	Machinery & Equipments		26,25,35,854.90
-9,60,18,937.34	Less: Transferred from Income & Expenditure A/c		-3,05,48,515.77	57,28,878.41	Misc. Equipments		57,23,278.41
1,75,76,021.00	DAE - Non Recurring Grants (XI Plan)	1	1,54,46,347.00	75,46,14,399.00	Gross Value of Fixed Assets		4,78,50,030.00
13,34,70,000.00	XI Plan Grant Receipts		13,49,18,000.00	-61,53,39,859.59	Less: Depreciation Reserve		
-11,58,93,979.00	XI Plan Grants Utilisation		-11,94,71,653.00	4,78,50,030.00	Capital Work in Progress	6	
4,53,90,792.13	DAE - Non Recurring Grants (XII Plan)	2	9,85,20,924.19	85,45,811.81	Admin Building Under Construction		85,45,811.81
14,91,20,000.00	XII Plan Grant Receipts		23,86,72,000.00	37,01,880.31	Community Centre Annex Under Construction		37,01,880.31
-10,37,29,207.87	XII Plan Grants Utilisation		-14,01,51,075.81	87,80,508.98	Engineering Section Building Under Construction		87,80,508.98
1,04,14,294.50	Other Grants, Receipts & Funds	3	6,46,58,149.50	2,68,21,828.90	Hostel Building Under Construction		2,68,21,828.90
10,16,461.00	HR-Endowment Fund		5,44,58,788.00	54,02,546.00	Investments	7	5,88,51,455.00
13,98,398.50	DST Projects		16,34,040.50	25,00,000.00	FDR with BoB		5,57,00,000.00
19,76,072.00	NBHM Projects		11,96,221.00	21,55,227.00	FDR With SBI		22,39,187.00
2,50,277.00	Swarna Jayanti Fellowships		2,50,277.00	7,47,319.00	Interest Accrued on Investments		9,12,268.00
0.00	Inspire Faculty Award-Pratishruti Saha		10,51,879.00	17,63,17,629.65	Current Assets	8	21,63,71,653.98
8,36,986.00	Inspire Faculty Award-R.Prabhu		5,12,163.00	35,260.00	Cash-in-hand		76,858.00
2,52,465.00	JC Bose Fellowship to Dr. Ashoke Sen		13,47,461.00	14,67,45,539.32	Bank Accounts		18,68,64,553.02
6,27,445.00	Ramanujan Fellowship-Dr. Anshuman Maharana		2,79,405.00	3,024.12	Postage in Hand/Frinking (B/S)		79.12
4,97,512.00	CSIR		2,76,343.00	1,98,19,956.54	Advance for Journals		2,10,14,666.17
30,19,202.00	Infosys Foundation Grants		31,49,727.00	70,52,107.67	Deposits (Asset)		63,56,383.67
5,39,476.00	Other Grants		5,01,825.00	1,25,414.00	Advances for Travel / Abroad Travel		3,22,529.00
29,95,28,479.16	Current Liabilities	4	27,36,64,205.85	1,02,997.00	Advances Recoverable Ag. Salaries		2,01,622.00
35,57,235.40	Accounts Payable		34,63,857.40	24,33,331.00	Claims Receivable		15,34,963.00
12,75,206.80	Payable to Staff		20,16,486.80	79,84,727.00	Misc. Expenses (ASSET)		63,51,010.40
2,59,60,399.06	Payable to Parties		67,48,617.75	(Deferred Revenue Expenditure (Power Line))			
2,29,20,931.00	Current Bills Payable		1,64,40,704.00	37,68,29,472.06	Total		46,47,35,469.98
1,18,79,908.90	Security & Earnest Money Deposits		87,36,008.90				
30,259.00	Provision for Audit fee payable		22,800.00				
23,39,04,539.00	Provision for Retirement Benefits		23,62,35,731.00				
37,68,29,472.06	Total		46,47,35,469.98				

For HARISH-CHANDRA RESEARCH INSTITUTE, ALLAHABAD

As per our separate report of even date attached

For M/s Amit Om & Co.
Chartered Accountants
Sd./-

Sd./-
(Amit Roy)
Accounts Officer (Offc.) & IABAO

Sd./-
(Ravindra Singh)
Registrar

Sd./-
(Jayanta Kumar Bhattacharjee)
Director

Date: 03-08-2016
Place: Allahabad

Partner

Harish-Chandra Research Institute

Chhatnag Road, Jhansi, Allahabad, Uttar Pradesh 211 019

Income & Expenditure Statement for the year ended on March 31st, 2016

As at 31-Mar-2015	Expenditure	Sch	As at 31-Mar-2016	As at 31-Mar-2015	Income	Sch	as at 31-Mar-2016
8,05,20,865.00	Non-Plan Salary Expenses	9	14,26,25,867.00	13,00,00,000.00	Grants-in-Aid General		25,14,00,000.00
18,86,325.00	Pay & Allowances		8,11,15,234.00	10,00,00,000.00	DAE-Recurring (Non-Plan) Salaries		14,00,00,000.00
2,97,66,786.00	Honorarium & Scholarships		49,60,010.00		DAE-Recurring (Non-Plan) Non-Salary		11,14,00,000.00
15,800.00	Fellowships		4,02,77,675.00		Non-Recurring Income		7,98,684.00
22,80,564.00	CPF (Employer's Contribution)		0.00	1,88,731.00	Misc. Receipts (Penalties/LD Clause)		4,04,965.00
34,86,935.00	NPS		24,63,434.00	94,652.00	Misc. Receipts (Pension/Gratuity etc.)		0.00
74,58,359.00	Pension		37,25,619.00	54,052.00	Water Charges & Others		0.00
40,28,806.00	Retirement Benefits (Gratuity Etc.)		60,92,918.00	35,666.00	Profit on Sale of Assets		3,93,719.00
	Medical-Reimbursement		39,90,977.00		Institute & Other Sources Receipts		68,17,283.00
	Non-Plan Non-Salary Expenses	10	10,39,16,588.42		Recurring Receipts		52,61,534.00
1,47,800.00	Overtime Allowances		1,23,400.00	8,14,142.00	License Fee & Elect. From Rented Buildings		7,73,811.00
14,88,805.00	Domestic Travel Expenses		11,24,491.00	27,06,801.00	Receipts From Guest House & Pantry		44,87,723.00
7,74,275.00	Foreign Travel Expenses		0.00		Interest Earned		10,12,014.00
55,48,225.50	Office Expenses		35,37,515.00	4,13,535.00	Interest on Bank Deposits		10,11,070.00
1,85,68,077.00	Library & Publications		2,22,11,170.12	6,219.00	Interest on Loans to Employees/Staff		944.00
5,60,205.00	Supplies & Materials consumed		8,37,533.00		Recurring Income		3,11,260.00
5,75,79,647.00	Minor Works & Maintenance		5,90,58,783.00	6,000.00	Firms Registration Fee		3,600.00
78,15,925.00	Machinery & Equipment		58,16,659.00	15,810.00	Misc. Receipts		2,73,420.00
8,50,473.00	Conferences/Seminars		7,73,137.00	180.00	R. T. I. Receipt		0.00
45,15,429.00	Motor Vehicles		41,47,657.00	42,780.00	Sale of Tenders		32,240.00
42,21,719.50	Other Expenses		62,60,593.30	2,74,935.00	Sale of Scrap/Recovery towards Buy Back		0.00
22,800.00	Audit Fees		25,650.00		Recoveries From Salaries Etc.		2,32,475.00
				25,306.00	Recovery of Accommodation Charges		0.00
				49,050.00	Recovery of Cable T.V. Charges		49,500.00
				89,908.00	Recovery of Personal Transport/Inst Transport		1,74,073.00
				12,538.00	Recovery of Telephone Charges		8,902.00
23,15,37,821.00	Sub-Total		24,65,42,455.42	23,48,30,300.00	Sub-Total		25,90,15,967.00
15,87,752.60	Deferred Revenue Expenses-33kva Power		15,87,752.60	32,92,479.00	Excess of Income over Expenditure		1,24,73,511.58
6,09,93,037.74	Depreciation on Assets		3,84,85,328.75	9,60,18,937.34	Transferred to Corpus / Capital Fund		3,05,48,515.77
3,67,30,626.00	Provisions for Retirement Benefits		29,48,946.00		Significant Accounting Policies & Notes on Accounts	11	
9,93,11,416.34	Total		4,30,22,027.35	9,93,11,416.34	Total		4,30,22,027.35

For HARISH-CHANDRA RESEARCH INSTITUTE, ALLAHABAD

As per our separate report of even date attached
For M/s Amit Om & Co.
Chartered Accountants

Sd./-
(Amit Roy)
Accounts Officer (Offc.) & IABAO

Sd./-
(Ravindra Singh)
Registrar

Sd./-
(Jayanta Kumar Bhattacharjee)
Director

Sd./-
Partner

Date: 03-08-2016
Place: Allahabad

Schedule 1 forming part of Balance Sheet as at 31st March 2016

XI Plan Grant Receipts

	As on 31-03-15	Year 15-16	As on 31-03-16
Grant-Civil & Infrastructure Development	85070000.00 Cr	1448000.00 Cr	86518000.00 Cr
Grant-Housing	48400000.00 Cr	0.00 Cr	48400000.00 Cr
Grand Total (A)	133470000.00 Cr	1448000.00 Cr	134918000.00 Cr

XI Plan Grants Utilisation

	As on 31-03-15	Year 15-16	As on 31-03-16
Infrastructure (Non-Housing)	70249774.10 Dr	989660.00 Dr	71239434.10 Dr
Infrastructure Housing	45644204.90 Dr	2588014.00 Dr	48232218.90 Dr
Grand Total (B)	115893979.00 Dr	3577674.00 Dr	119471653.00 Dr
XI Plan Grants (Receipts - Utilisation) (A-B)	17576021.00	2129674.00	15446347.00

XI Plan Grants Utilisation - Projectwise Break-up

	As on 31-03-15	Year 15-16	As on 31-03-16
1. Infrastructure (Non-Housing)	70249774.10 Dr	989660.00 Dr	71239434.10 Dr
Contingencies-Infrastructure (Non Housing)			
<i>BWC Meetings</i>	614838.00 Dr	0.00 Dr	614838.00 Dr
<i>Constructions-NKN Project</i>	147498.00 Dr	0.00 Dr	147498.00 Dr
<i>Construction-Student Hostel</i>	2432740.00 Dr	0.00 Dr	2432740.00 Dr
<i>Contingencies-Misc. (Non-Housing)</i>	4511863.00 Dr	0.00 Dr	4511863.00 Dr
<i>Architects Atelier Pvt. Ltd. (Adv.)</i>	984150.00 Dr	0.00 Dr	984150.00 Dr
<i>Civil Works -Infrastructure (Non Housing)</i>	15323237.00 Dr	989660.00 Dr	16312897.00 Dr
<i>Construction Admin Block</i>	10222360.81 Dr	0.00 Dr	10222360.81 Dr
<i>Construction Community Centre Extn</i>	4215056.31 Dr	0.00 Dr	4215056.31 Dr
<i>Construction Engg Section Building</i>	8871923.98 Dr	0.00 Dr	8871923.98 Dr
<i>Power Requirement & Air-Conditioning</i>	20626122.00 Dr	0.00 Dr	20626122.00 Dr
<i>Salaries - Infrastructure -Non Housing</i>	2299985.00 Dr	0.00 Dr	2299985.00 Dr
2. Infrastructure Housing	45644204.90 Dr	2588014.00 Dr	48232218.90 Dr
Hostel Building	36192859.90 Dr	0.00 Dr	36192859.90 Dr
PDF Housing (Married Appt)	6208717.00 Dr	0.00 Dr	6208717.00 Dr
<i>Advance to DCSEM for Conf Centre & GH</i>	2000000.00 Dr	0.00 Dr	2000000.00 Dr
<i>Contingencies-Misc (Housing)</i>	1242628.00 Dr	2588014.00 Dr	3830642.00 Dr
Grand Total (1+2+3+4+5)	115893979.00 Dr	3577674.00 Dr	119471653.00 Dr

Schedule 2 forming part of Balance Sheet as at 31st March 2016

XII Plan Grant Receipts

	As on 31-03-15	Year 15-16	As on 31-03-16
Grant-Scientific Information Retrieval Development	22136000.00 Cr	2625000.00 Cr	24761000.00 Cr
Grant-Special & Thematic Events in Mathematics	10760000.00 Cr	5747000.00 Cr	16507000.00 Cr
<i>Grant-Analysis & Geometry (STEM)</i>	<i>1760000.00 Cr</i>	<i>767000.00 Cr</i>	<i>2527000.00 Cr</i>
<i>Grant-Explicit Class Field Theory (STEM)</i>	<i>1050000.00 Cr</i>	<i>550000.00 Cr</i>	<i>1600000.00 Cr</i>
<i>Grant-Group Theory & Representation Theory (STEM)</i>	<i>3400000.00 Cr</i>	<i>742750.00 Cr</i>	<i>4142750.00 Cr</i>
<i>Grant-Number Theory (STEM)</i>	<i>4550000.00 Cr</i>	<i>3687250.00 Cr</i>	<i>8237250.00 Cr</i>
Grant-Advanced Research Facility for Theoretical Ph	89676000.00 Cr	59226000.00 Cr	148902000.00 Cr
<i>Grant-Centre for String Interactions (ARFTP)</i>	<i>7441000.00 Cr</i>	<i>3876000.00 Cr</i>	<i>11317000.00 Cr</i>
<i>Grant-Cluster for Strongly Correlated Systems (ARFTP)</i>	<i>35688000.00 Cr</i>	<i>25048000.00 Cr</i>	<i>60736000.00 Cr</i>
<i>Grant-Computing Facilities for T Physics (ARFTP)</i>	<i>34835000.00 Cr</i>	<i>24729500.00 Cr</i>	<i>59564500.00 Cr</i>
<i>Grant-Physics of Quantum Matter (ARFTP)</i>	<i>5672000.00 Cr</i>	<i>2707000.00 Cr</i>	<i>8379000.00 Cr</i>
<i>Grant-QIC (ARFTP)</i>	<i>6040000.00 Cr</i>	<i>2865500.00 Cr</i>	<i>8905500.00 Cr</i>
Grant-RECAPP, Neutrino Physics & Astrophysics	19698000.00 Cr	13619000.00 Cr	33317000.00 Cr
<i>Grant-Cosmology & High Energy Astrology</i>	<i>2019500.00 Cr</i>	<i>1062500.00 Cr</i>	<i>3082000.00 Cr</i>
<i>Grant-Neutrino Physics and Particle</i>	<i>7160000.00 Cr</i>	<i>2007000.00 Cr</i>	<i>9167000.00 Cr</i>
<i>Grant-RECAPP</i>	<i>10518500.00 Cr</i>	<i>10549500.00 Cr</i>	<i>21068000.00 Cr</i>
Grant-Infrastructure Development	5750000.00 Cr	7335000.00 Cr	13085000.00 Cr
Grant-Expansion of HRI Campus	100000.00 Cr	0.00 Cr	100000.00 Cr
Infrastructure (Housing)	1000000.00 Cr	1000000.00 Cr	2000000.00 Cr
Grand Total (A)	149120000.00 Cr	89552000.00 Cr	238672000.00 Cr

XII Plan Grants Utilisation

	As on 31-03-15	Year 15-16	As on 31-03-16
Sc.Information Retrieval Development (Library)	14050018.00 Dr	2562031.00 Dr	16612049.00 Dr
Special and Thematic Events in Mathematics (STEM)	7638378.00 Dr	4419847.00 Dr	12058225.00 Dr
<i>Analysis and Geometry</i>	<i>603840.00 Dr</i>	<i>505144.00 Dr</i>	<i>1108984.00 Dr</i>
<i>Explicit Class Field Theory</i>	<i>590361.00 Dr</i>	<i>409958.00 Dr</i>	<i>1000319.00 Dr</i>
<i>Group Theory & Representation Theory of Lie Algebra</i>	<i>1696110.00 Dr</i>	<i>1018641.00 Dr</i>	<i>2714751.00 Dr</i>
<i>Number Theory</i>	<i>4748067.00 Dr</i>	<i>2486104.00 Dr</i>	<i>7234171.00 Dr</i>
Advance Research Facility for Theoretical Physics	66603044.37 Dr	21879888.94 Dr	88482933.31 Dr
<i>Centre for String Interaction</i>	<i>4098970.00 Dr</i>	<i>3660418.00 Dr</i>	<i>7759388.00 Dr</i>
<i>Cluster for Strongly Correlated Systems</i>	<i>30594457.06 Dr</i>	<i>1566073.94 Dr</i>	<i>32160531.00 Dr</i>
<i>Computing Facilities for Theoretical Physics</i>	<i>24030354.31 Dr</i>	<i>11607793.00 Dr</i>	<i>35638147.31 Dr</i>
<i>Physics of Quantum Matter</i>	<i>3291366.00 Dr</i>	<i>2418224.00 Dr</i>	<i>5709590.00 Dr</i>
<i>Quantum Computing & Information Processing</i>	<i>4587897.00 Dr</i>	<i>2627380.00 Dr</i>	<i>7215277.00 Dr</i>
RECAPP, Neutrino Physics & Astrophysics	10857848.50 Dr	6116568.00 Dr	16974416.50 Dr
<i>Cosmology and High Energy Astrophysics</i>	<i>486615.00 Dr</i>	<i>464537.00 Dr</i>	<i>951152.00 Dr</i>
<i>Neutrino Physics and Particle Astrophysics</i>	<i>6352451.00 Dr</i>	<i>1123422.00 Dr</i>	<i>7475873.00 Dr</i>
<i>RECAPP</i>	<i>4018782.50 Dr</i>	<i>4528609.00 Dr</i>	<i>8547391.50 Dr</i>
Expansion of HRI Campus-Purchase of Additional Land	13000.00 Dr	2850.00 Dr	15850.00 Dr
Infrastructure Development	4566919.00 Dr	1437833.00 Dr	6004752.00 Dr
Infrastructure (Housing)	0.00 Dr	2850.00 Dr	2850.00 Dr
Grand Total (B)	103729207.87 Dr	36421867.94 Dr	140151075.81 Dr
XII Plan Grants (Receipts - Utilisation) (A-B)	45390792.13	53130132.06	98520924.19

XIIth Plan Utilisation - Projectwise Break-up

	As on 31-03-15	Year 15-16	As on 31-03-16
1. Sc.Information Retrieval Development (Library)	14050046.00	2562031.00	16612049.00
<i>Library-Machinery & Equipment</i>	<i>216930.00 Dr</i>	<i>170076.00 Dr</i>	<i>387006.00 Dr</i>
<i>Library-Online Database</i>	<i>0.00 Dr</i>	<i>1795491.00 Dr</i>	<i>1795491.00 Dr</i>
<i>Library-Softwares</i>	<i>1105491.00 Dr</i>	<i>0.00 Dr</i>	<i>1105491.00 Dr</i>
<i>Library-Standing Series</i>	<i>2184877.00 Dr</i>	<i>596464.00 Dr</i>	<i>2781341.00 Dr</i>

Library-Supplies & Materials	10335698.00 Dr	0.00 Dr	10335698.00 Dr
Library-Office Expenses & Contingencies	207022.00 Dr	0.00 Dr	207022.00 Dr
2. Special and Thematic Events in Mathematics (STEM)	7638378.00	4419847.00	12058225.00
Analysis and Geometry	603840.00 Dr	505144.00 Dr	1108984.00 Dr
Analysis & Geometry-Domestic Travel	179385.00 Dr	110251.00 Dr	289636.00 Dr
Analysis & Geometry-Foreign Travel	95253.00 Dr	341764.00 Dr	437017.00 Dr
Analysis & Geometry-Office Expense & Contingency	7750.00 Dr	7629.00 Dr	15379.00 Dr
Analysis & Geometry-Consultancy & Meetings	321452.00 Dr	45500.00 Dr	366952.00 Dr
Explicit Class Field Theory	590361.00 Dr	409958.00 Dr	1000319.00 Dr
Explicit Class Field Theory-Supplies & Material	183587.00 Dr		183587.00 Dr
Explicit Class Field Theory-Domestic Travel	116964.00 Dr	122657.00 Dr	239621.00 Dr
Explicit Class Field Theory-Foreign Travel	222974.00 Dr	241496.00 Dr	464470.00 Dr
Explicit Class Field Theory-Office Expenses & Contingencies	586.00 Dr	2850.00 Dr	3436.00 Dr
Explicit Class Field Theory-Consultancy & Meeting	66250.00 Dr	42955.00 Dr	109205.00 Dr
Group Theory & Representation Theory of Lie Algebra	1696110.00 Dr	1018641.00 Dr	2714751.00 Dr
GTLT-Machinery & Equipment	17711.00 Dr	535000.00 Dr	552711.00 Dr
GTLT-Domestic Travel	105316.00 Dr	62716.00 Dr	168032.00 Dr
GTLT-Foreign Travel	560435.00 Dr	226990.00 Dr	787425.00 Dr
GTLT-Office Expenses & Contingencies	144936.00 Dr	99400.00 Dr	244336.00 Dr
GTLT-Consultancy & Collab Meetings	867712.00 Dr	94535.00 Dr	962247.00 Dr
Number Theory	4748067.00 Dr	2486104.00 Dr	7234171.00 Dr
Number Theory-Machinery & Equipment	52200.00 Dr		52200.00 Dr
Number Theory-Supplies & Materials	47052.00 Dr	9254.00 Dr	56306.00 Dr
Number Theory-Domestic Travel	1412119.00 Dr	438651.00 Dr	1850770.00 Dr
Number Theory-Foreign Travel	1256610.00 Dr	1074247.00 Dr	2330857.00 Dr
Number Theory-Office Expense & Contingency	696905.00 Dr	322008.00 Dr	1018913.00 Dr
Number Theory-Consultancy & Collab Meetings	1283181.00 Dr	641944.00 Dr	1925125.00 Dr
3. Advance Research Facility for Theoretical Physics	66603044.37	21879888.94	88482933.31
Centre for String Interaction	4098970.00 Dr	3660418.00 Dr	7759388.00 Dr
String Interaction-Machinery & Equipment	280432.00 Dr	990550.00 Dr	1270982.00 Dr
String Interaction-Supplies & Materials	132323.00 Dr	44956.00 Dr	177279.00 Dr
String Interaction-Domestic Travel	852552.00 Dr	380902.00 Dr	1233454.00 Dr
String Interaction-Foreign Travel	1053104.00 Dr	295621.00 Dr	1348725.00 Dr
String Interaction-Office Expense & Contingency	520106.00 Dr	438400.00 Dr	958506.00 Dr
String Interaction-Consultancy & Collab Meeting	1260453.00 Dr	1509989.00 Dr	2770442.00 Dr
Cluster for Strongly Correlated Systems	30594457.06 Dr	1566073.94 Dr	32160531.00 Dr
Cluster for Strongly Co System-Mach & Equipments	22147795.06 Dr	1280028.06 Cr	20867767.00 Dr
Cluster for Strongly Co System-Supplies & Materials	6092773.00 Dr	2282439.00 Dr	8375212.00 Dr
Cluster for Strongly Co System-Major Works	9800.00 Dr		9800.00 Dr
Cluster for Strongly Co System-Salaries	448634.00 Dr	474613.00 Dr	923247.00 Dr
Cluster for Strongly Co System-Domestic Travel	37479.00 Dr		37479.00 Dr
Cluster for Strongly Co System-Off Exp & Contingency	1854976.00 Dr	66850.00 Dr	1921826.00 Dr
Cluster for Strongly Co System-Consultancy & Collaboration Meetings	3000.00 Dr	22200.00 Dr	25200.00 Dr
Computing Facilities for Theoretical Physics	24030354.31 Dr	11607793.00 Dr	35638147.31 Dr
Computing Facilities-Machinery & Equipment	6737837.00 Dr	6284428.00 Dr	13022265.00 Dr
Computing Facilities-Supplies & Materials	9413980.00 Dr	4004405.00 Dr	13418385.00 Dr
Computing Facilities-Major Works	23950.00 Dr	221804.00 Dr	245754.00 Dr
Computing Facilities-Salaries	994322.31 Dr	1094306.00 Dr	2088628.31 Dr
Computing Facilities-Off. Expense & Contingency	6837490.00 Dr	2850.00 Dr	6840340.00 Dr
Computing Facilities-Consultancy & Collab meetings	22775.00 Dr		22775.00 Dr
Physics of Quantum Matter	3291366.00 Dr	2418224.00 Dr	5709590.00 Dr
Physics of Quantum Matter-Mach. & Equipments	381770.00 Dr	76400.00 Dr	458170.00 Dr
Physics of Quantum Matter-Supplies & Materials	23660.00 Dr	79622.00 Dr	103282.00 Dr

<i>Physics of Quantum Matter-Domestic Travel</i>	262671.00 Dr	247627.00 Dr	510298.00 Dr
<i>Physics of Quantum Matter-Foreign Travel</i>	461231.00 Dr	497455.00 Dr	958686.00 Dr
<i>Physics of Quantum Matter-Off. Exp & Contingency</i>	307703.00 Dr	386695.00 Dr	694398.00 Dr
<i>Consultancy & Collaboration Meetings</i>	1854331.00 Dr	1130425.00 Dr	2984756.00 Dr
Quantum Computing & Information Processing	4587897.00 Dr	2627380.00 Dr	7215277.00 Dr
<i>QIC-Machinery & Equipment</i>	998067.00 Dr	113000.00 Dr	1111067.00 Dr
<i>QIC-Supplies & Materials</i>	3770.00 Dr	2350.00 Dr	6120.00 Dr
<i>QIC-Domestic Travel</i>	446505.00 Dr	278336.00 Dr	724841.00 Dr
<i>QIC-Foreign Travel</i>	804491.00 Dr	457219.00 Dr	1261710.00 Dr
<i>QIC-Office Expenses & Contingencies</i>	430381.00 Dr	751291.00 Dr	1181672.00 Dr
<i>QIC-Consultancy & Collab Meetings</i>	1904683.00 Dr	1025184.00 Dr	2929867.00 Dr
4. RECAPP, Neutrino Physics & Astrophysics	10857848.50	6116568.00	16974416.50
Cosmology and High Energy Astrophysics	486615.00 Dr	464537.00 Dr	951152.00 Dr
<i>Cosmology & HE Astro-Supplies & Materials</i>	6370.00 Dr	0	6370.00 Dr
<i>Cosmology & HE Astro-Domestic Travel</i>	158289.00 Dr	225305.00 Dr	383594.00 Dr
<i>Cosmology & HE Astro-Office Exp.& Contingencies</i>	59989.00 Dr	66682.00 Dr	126671.00 Dr
<i>Cosmology & HE Astro-Consultancy & Colla Meeting</i>	261967.00 Dr	172550.00 Dr	434517.00 Dr
Neutrino Physics and Particle Astrophysics	6352451.00 Dr	1123422.00 Dr	7475873.00 Dr
<i>Neutrino Physics-Machinery & Equipment</i>	1403541.00 Dr	0	1403541.00 Dr
<i>Neutrino Physics-Supplies & Materials</i>	568925.00 Dr	269539.00 Dr	838464.00 Dr
<i>Neutrino Physics-Salaries</i>	348844.00 Dr	0	348844.00 Dr
<i>Neutrino Physics-Domestic Travel</i>	477461.00 Dr	247850.00 Dr	725311.00 Dr
<i>Neutrino Physics-Foreign Travel</i>	830849.00 Dr	173658.00 Dr	1004507.00 Dr
<i>Neutrino Physics-Office Expense & Contingencies</i>	1791608.00 Dr	48343.00 Dr	1839951.00 Dr
<i>Neutrino Physics-Consultancy & Collaboration Meetings</i>	931223.00 Dr	384032.00 Dr	1315255.00 Dr
RECAPP	4018782.50 Dr	4528609.00 Dr	8547391.50 Dr
<i>RECAPP(XII)-Machinery & Equipment</i>	189166.00 Dr	1138574.00 Dr	1327740.00 Dr
<i>RECAPP(XII)-Supplies & Materials</i>	1041013.50 Dr	848635.00 Dr	1889648.50 Dr
<i>RECAPP(XII)-Major Works</i>		580730.00 Dr	580730.00 Dr
<i>RECAPP(XII)-Salaries</i>	412710.00 Dr	501024.00 Dr	913734.00 Dr
<i>RECAPP(XII)-Domestic Travel</i>	613167.00 Dr	349120.00 Dr	962287.00 Dr
<i>RECAPP(XII)-Foreign Travel</i>	388422.00 Dr	352975.00 Dr	741397.00 Dr
<i>RECAPP(XII)-Office Exp & Contingencies</i>	481678.00 Dr	89717.00 Dr	571395.00 Dr
<i>RECAPP(XII)-Consultancy & Collaboration Meetings</i>	892626.00 Dr	667834.00 Dr	1560460.00 Dr
5. Expansion of HRI Campus-Purchase of Additional Land	13000.00	2850.00	15850.00
<i>Major Works-Expansion of Land</i>	13000.00 Dr	2850.00 Dr	15850.00 Dr
6. Infrastructure Development	4566919.00	1437833.00	6004752.00
<i>Machinery & Equipment</i>	2036160.00 Dr	0.00 Dr	2036160.00 Dr
<i>Major Works</i>	2530759.00 Dr	783820.00 Dr	3314579.00 Dr
<i>Salaries</i>	0.00 Dr	651163.00 Dr	651163.00 Dr
<i>Office Exp & Contingencies</i>	0.00 Dr	2850.00 Dr	2850.00 Dr
7. Infrastructure Housing	0.00	2850.00	2850.00
<i>Office Exp & Contingencies</i>	0.00 Dr	2850.00 Dr	2850.00 Dr
Grand Total (1+2+3+4+5+6+7)	103729235.87 Dr	36421867.94 Dr	140151075.81 Dr

Schedule 3 forming part of Balance Sheet as at 31st March 2016

Other Grants & Receipts	As on 31-03-15	As on 31-03-16
HRI-Endowment Fund	1016461.00	54458788.00
<i>Harish Chandra Memorial Award</i>	1016461.00	1025248.00
<i>Infosys Foundation - Endowment Fund A/c</i>	0.00	51127077.00
<i>Shamik Banerjee Memorial Award</i>	0.00	1022313.00
<i>Sutapa Sen Memorial Award</i>	0.00	1284150.00
DST Projects	1398398.50	1634060.50
Serc School	27566.50	27566.50
DST Project - Aarti Girdhar	924.00	195012.00
DST-Projet (NASI)-Satya Deo	356308.00	397882.00
Grant -Indo-German(DST-DFG) Jt. Research Project	1013600.00	1013600.00
NBHM Projects	1976072.00	1196221.00
Library Committee Meeting	921989.00	921989.00
<i>AFS-III</i>	749000.00	-55943.00
<i>NBHM Fellowships(Year 13-14)</i>	243292.00	243292.00
<i>NBHM Fund</i>	41791.00	66883.00
<i>NBHM Ph.D Scholarship Grant to Navin Kumar Jha</i>	20000.00	20000.00
Swarna Jayanti Fellowships	250277.00	250277.00
Inspire Faculty Award	836986.00	1564042.00
Inspire Faculty Award-Pratishruti Saha	0.00	1051879.00
Inspire Faculty Award-R.Prabhu	836986.00	512163.00
JC Bose Fellowship to Dr.Ashoke Sen	252465.00	1347461.00
Ramanujan Fellowship-Dr.Anshuman Maharana	627445.00	279405.00
CSIR	497512.00	276343.00
CSIR-Spl.Hon. SSB Awardees	60500.00	30500.00
<i>CSIR- A. Mishra</i>	35750.00	35750.00
<i>CSIR-Arvind Kumar (SPM-Fellowship)</i>	291008.00	151008.00
<i>CSIR-Grant</i>	69221.00	18052.00
<i>CSIR-H Mishra</i>	41033.00	41033.00
Infosys Foundation Grants	3019202.00	3149727.00
<i>Grant From Infosys Foundation</i>	2500000.00	2500000.00
<i>Interest on Investment of Infosys Grant</i>	519202.00	649727.00
Other Grants	539476.00	501825.00
IFCPAR Research Project(T.P.Pareek)	355482.00	445482.00
<i>KVPY Summer Programme Support</i>	130000.00	0.00
<i>Provision for Payment of Honorarium to Staff</i>	1670.00	-7150.00
<i>Science Education Prog-Indian National Science Acad</i>	13681.00	24850.00
<i>TPSC Fund</i>	38643.00	38643.00
Grand Total	10414294.50	64658149.50

Schedule 4 forming part of Balance Sheet as at 31st March 2016		
Current Liabilities	As on 31-03-15	As on 31-03-16
Accounts Payable	3557235.40	3463857.40
<i>HRI-PF Control A/c</i>	2112051.40	2150115.40
<i>Group Insurance Contribution</i>	9830.00	9214.00
<i>Interest on bank deposit</i>	0.00	0.00
<i>NPS-Control A/c.</i>	1406937.00	1276123.00
<i>NPS-Employees' Contribution</i>	28417.00	28405.00
Duties & Taxes	0.00	0.00
<i>TDS Deducted at Source-Parties</i>	0.00	0.00
<i>TDS Deducted at Source-Staff</i>		
<i>VAT Deducted</i>	0.00	0.00
Staff Accounts	1275206.8	2016486.8
Parties Accounts	25960399.06	6748617.75
Bills Payable	22920931.00	16440704.00
Security & Earnest Money Deposits	11879908.90	8736008.90
<i>Earnest Money Deposits</i>	5023809.00	3592646.00
<i>Security Deposits</i>	5185951.00	3449894.00
<i>Unclaimed Deposits(Security, Earnest Money & Others)</i>	1670148.90	1693468.90
Provisions	233934798.00	236258531.00
<i>Audit Fee Payable</i>	30259.00	22800.00
Provision-Pension, Gratuity, EL Encashment	233904539.00	236235731.00
<i>Provision-Pension</i>	153756901	153941474
<i>Provision-Gratuity</i>	37015888	35998140
<i>Provision-EL Encashment</i>	43131750	46296117
Grand Total	299528479.16	273664205.85

Schedule 5 forming part of Balance Sheet as at 31st March 2016

Fixed Assets & Depreciation Reserve	As on 31-03-15	As on 31-03-16
a. Land & Building	157401477.85	157401477.85
<i>Building</i>	157401476.85	157401476.85
<i>Land</i>	1.00	1.00
b. Furniture & Fixtures	48407963.32	48888033.32
<i>Electrical Fittings</i>	24266058.51	24573828.51
<i>Furniture & Fixtures</i>	24141904.81	24314204.81
c. Other Assets	44013168.54	44373474.54
<i>Guest House HRI-Assets</i>	5162947.34	5303867.34
<i>A.C. & Stabilizers</i>	15988150.60	15901536.60
<i>Bicycles & Rickshaw Trolley</i>	28748.00	28748.00
<i>Car-Maruti Esteem</i>	479417.00	479417.00
<i>Coolers</i>	1102686.00	1102686.00
<i>Electronic Type Writers</i>	174422.25	174422.25
<i>Elevator</i>	885000.00	885000.00
<i>Fax Machine</i>	8120.00	8120.00
<i>Fire Alarm System</i>	741872.00	741872.00
<i>Fire Extinguisher</i>	488708.00	488708.00
<i>Generator Sets</i>	10020602.30	10020602.30
<i>Geysers</i>	834549.05	834549.05
<i>Projector</i>	2032236.00	2338236.00
<i>Solar Lights & Batteries</i>	533349.00	533349.00
<i>Telescope</i>	2731044.00	2731044.00
<i>Xerox Machines & Stabilizers</i>	2801317.00	2801317.00
d. Library Assets	234258657.92	258148653.92
<i>Back Vol. of Journals (ASSET)</i>	103563014.00	124822919.00
<i>Bar Coding Equip. & Security Systems-Library</i>	1273870.00	1273870.00
<i>Books & Journal</i>	129421773.92	132051864.92
e. Machinery & Equipments	264804252.96	262535854.90
<i>Cluster Computer (Xlth Plan)</i>	52249760.00	40684085.00
<i>Cluster Computer (Xth Plan)</i>	21573474.00	21573474.00
<i>Computers & Peripherals</i>	156493236.66	164183046.60
<i>Software</i>	14522944.50	16058411.50
<i>UPS & Batteries</i>	19964837.80	20036837.80
f. Misc. Equipments	5728878.41	5723278.41
<i>Audio / Video Equipments</i>	2007098.00	2046198.00
<i>Gym. Equipments</i>	238873.00	238873.00
<i>Health Centre Equipments</i>	299569.00	299569.00
<i>Misc. Equipments</i>	1333132.70	1333132.70
<i>Scientific Equipments</i>	142320.71	142320.71
<i>Telephone Equip. & Appliances</i>	1707885.00	1663185.00
Gross Value of Fixed Assets (a+b+c+d+e+f)	754614399.00 Dr	777070772.94 Dr
Less: Depreciation Reserve	615339859.59	641759452.34
Grand Total	139274539.41 Dr	135311320.60 Dr

Schedule 6 forming part of Balance Sheet as at 31st March 2016

Capital Work in Progress	As on 31-03-15	As on 31-03-16
<i>Admin Building Under Construction</i>	8545811.81 Dr	8545811.81 Dr
<i>Community Centre Annexe Under Construction</i>	3701880.31 Dr	3701880.31 Dr
<i>Engineering Section Building Under Construction</i>	8780508.98 Dr	8780508.98 Dr
<i>Hostel Building Under Construction</i>	26821828.90 Dr	26821828.90 Dr
<i>PDF Married Apptt Building Under Construction</i>		
Grand Total	47850030.00 Dr	47850030.00 Dr

Schedule 7 forming part of Balance Sheet as at 31st March 2016

Investments	As on 31-03-15	As on 31-03-16
FDR with BoB	2500000.00 Dr	55700000.00 Dr
<i>Harish Chandra Memorial Award</i>	0.00 Dr	1000000.00 Dr
<i>Infosys Foundation Fund</i>	0.00 Dr	50000000.00 Dr
<i>Infosys Fund</i>	2500000.00 Dr	2500000.00 Dr
<i>Shamik Banerjee Memorial Award</i>	0.00 Dr	1000000.00 Dr
<i>Sutapa Sen Memorial Award</i>	0.00 Dr	1200000.00 Dr
FDR With SBI	2155227.00 Dr	2239187.00 Dr
Interest Accrued on Investments	747319.00 Dr	912268.00 Dr
Grand Total	5402546.00 Dr	58851455.00 Dr

Schedule 8 forming part of Balance Sheet as at 31st March 2016

Current Assets	As on 31-03-15	As on 31-03-16
Cash-in-hand	35260.00	76858.00
Bank Accounts	146745539.32 Dr	186864553.02 Dr
<i>Bank of Baroda - 30070100006893(A/c 101)</i>	30238175.43	47576336.43
<i>Bank of Baroda-30070100006902(A/c 102)</i>	89661856.19	110335049.89
<i>Bank of Baroda - 30070100011078(A/c 108)</i>	12200811.88	13963414.88
<i>Bank of Baroda - 30070100011079(A/c 109)</i>	3632676.85	3208519.85
<i>Bank of Baroda - 30070100015151(A/c Endowment fund)</i>	1016461.00	1285210.00
<i>NPS-Bank A/c (30070100012526)</i>	1827493.00	1765388.00
<i>S.B.I. (M.B.) Current A/c</i>	723721.97	723091.97
<i>Short Term Deposits with BoB</i>	7208547.00	7344597.00
<i>Interest Accrued on Short Term Dep. with Banks</i>	235796.00	662945.00
Postage in Hand/Frinking(B/S)	3024.12	79.12
Advance for Journals	19819956.54 Dr	21014666.17 Dr
<i>Allahabad Mathematical Society (Adv)</i>	1000.00	5950.00
<i>Alliance Books Suppliers (Pvt.)Ltd. (Adv)</i>	174622.00	101369.00
<i>Allied Pub.Subs.Agency (Adv)</i>	1008142.00	1169913.00
<i>Calcutta Mathematical Society (Adv)</i>	2750.00	2750.00
<i>Cyber media (India) Pvt.Ltd.</i>	3575.00	3575.00
<i>D.S. Information Services Pvt. Ltd. (Adv)</i>	1852038.00	1512056.22
<i>D.S. Subscription Agency (Adv)</i>	1067146.00	1052347.00
<i>Duke University Press (Adv)</i>	80895.00	170389.00
<i>Globe Publications, N.Delhi (Adv)</i>	1694058.00	1522005.19
<i>IGroup Infotech India Pvt. Ltd. (Adv)</i>	183138.00	208403.00
<i>Indian Academy of Science (Adv)</i>	7875.00	6483.00
<i>Indian Mathematical Society (Adv)</i>	1000.00	1000.00
<i>The Institute of Mathematics(Polish Academy of Sci.)</i>	0.00	73570.00
<i>Institute of Mathematical Sciences (Adv)</i>	14722.00	14722.00
<i>International Subscription Agency (Adv)</i>	9544114.54	9790657.84
<i>Institute of Physics Publishing Ltd.</i>	0.00	1666561.08
<i>Lakshmi Periodicals & Books Pvt. Ltd. (Adv)</i>	935047.00	999779.05

Schedule 8 forming part of Balance Sheet as at 31st March 2016

(contd..)

Current Assets	As on 31-03-15	As on 31-03-16
<i>M/s JSTOR USA (Adv)</i>	18685.00	39531.00
<i>Narosa Information Services (Adv)</i>	1856741.00	1356312.11
<i>Nature Publishing Group (Adv)</i>	0.00	198977.00
<i>Total I.T. Solution (Adv)</i>	1374408	1118315.68
Deposits (Asset)	7052107.67	6356383.67
<i>Fixed Deposits-Securities (in Hand)</i>	4173427.00	3452703.00
<i>Security with balmer lawrie & Co.</i>	0.00	25000.00
<i>Security with Gas Service</i>	39900.00	39900.00
<i>Security with Telephone Deptt.</i>	264580.67	264580.67
<i>Security with UPSEB</i>	2574200.00	2574200.00
Advances for Travel/Abroad Travel	125414.00	322529.00
Advances Recoverable Ag. Salaries	102997.00	201622.00
<i>Festival Advance</i>	32025.00	40950.00
<i>Medical Advance</i>	0.00	100000.00
<i>Vehicle Advance</i>	58172.00	60672.00
<i>Computer Advance</i>	12800.00	0.00
Claims Receivable (a+b+c+d+e)	2433331.00 Dr	1534963.00 Dr
a. Amount Recoverable Against Completed Projects / scheme	1074065.00	333141.00
<i>Finance Officer, H.N.B. Garhwal University</i>	40000.00	40000.00
<i>Grant Receivable-DST-SFT (Manoj Kumar)</i>	33961.00	33961.00
<i>Grant Receivable-NBHM (K. Gongopadhyay)</i>	47533.00	47533.00
<i>Grant Receivable-NBHM (Joseph Samuel)</i>	17030.00	17030.00
<i>INO Conference-Recoverable</i>	740924.00	0.00
<i>NBHM Fellowships</i>	185867.00	185867.00
<i>Ramanujan Math Society (DST Meeting)</i>	8750.00	8750.00
b. Other-Claims Receivables (Staff)	105244.00	55446.00
c. Others-Claims Receivables (Parties)	736970.00	637715.00
d. Payments Against Ongoing Sponsored Projects / Schemes	508070.00	506321.00
<i>Grant Receivable-JEST Examination</i>	0.00	74782.00
<i>Indian Institute of Technology-Guwahati</i>	30000.00	30000.00
<i>International Conference "B Physics at the LHC"</i>	593.00	593.00
<i>ISCQI-2008-Bhubaneshwar</i>	25000.00	25000.00
<i>JEST Examination Expenses</i>	258525.00	273163.00
<i>Grant Receivable (CSIR) Mrityunjay Kumar Verma</i>	137952.00	46783.00
<i>Registrar, IIT Kanpur</i>	6000.00	6000.00
<i>Registrar, IIT Roorkee</i>	50000.00	50000.00
e. Interest Accrued on Loans-Computer & Vehicle to Staff	8982.00	2340.00
Grand Total	176317629.65 Dr	216371653.98

Harish-Chandra Research Institute Allahabad
Statement of Fixed Assets , Depreciation & Depreciation Fund
Schedule 5 -forming part of Balance Sheet as at 31st March 2016

Gross Block									
Sl.No.	Description	Gross Block of Assets			Additions/Deductions during the year				Total Gross Block of Assets as on 31.03.16
		(Other than Xlth Plan) as on 31.03.15	(From Xlth Plan Grants) as on 31.03.15	Opening Gross Block of Assets as on 01.04.2015	Funded from Non-Plan Grants as on 31.03.2016	Deductions	Gross Block of Assets (Non-Plan Grants) as on 31.03.2016	Funded from Plan Grant as on 31.03.2016	
1	2	3	4	(3+4)=5	6	7	(6-7)=8	9	(8+9)=10
1	2	3	4	5	6	7	8	9	10
1	Land & Building	157401477.85	0.00	157401477.85	0.00		157401477.85	0.00	157401477.85
1	Land	1.00		1.00			1.00		1.00
2	Building	157401476.85		157401476.85			157401476.85		157401476.85
2	Furniture & Fixtures	46197858.32	2210105.00	48407963.32	96208.00	0.00	48504171.32	383862.00	48888033.32
1	Furniture & Fixture	21931799.81	2210105.00	24141904.81	59300.00		24201204.81	113000.00	24314204.81
2	Electrical Fittings	24266058.51		24266058.51	36908.00		24302966.51	270862.00	24573828.51
3	Other Assets	37548041.20	1302180.00	38850221.20	274400.00	465988.00	38658633.20	410974.00	39069607.20
1	A.C. & Stabilizers	14685970.60	1302180.00	15988150.60	274400.00	465988.00	15796562.60	104974.00	15901536.60
2	Bicycles & Rickshaw Trolly	28748.00		28748.00			28748.00		28748.00
3	Car-Maruit Esteem	479417.00		479417.00			479417.00		479417.00
4	Coolers	1102686.00		1102686.00			1102686.00		1102686.00
5	Electronic Typewriters	174422.25		174422.25			174422.25		174422.25
6	Elevator	885000.00		885000.00			885000.00		885000.00
7	Fax Machine	8120.00		8120.00			8120.00		8120.00
8	Fire Alarm System	741872.00		741872.00			741872.00		741872.00
9	Fire Extinguishers	488708.00		488708.00			488708.00		488708.00
10	Generator Sets	10020602.30		10020602.30			10020602.30		10020602.30
11	Geysers	834549.05		834549.05			834549.05		834549.05
12	Projector	2032236.00		2032236.00			2032236.00	306000.00	2338236.00
13	Telescope	2731044.00		2731044.00			2731044.00		2731044.00
14	Solar Light	533349.00		533349.00			533349.00		533349.00
15	Xerox machine	2801317.00		2801317.00			2801317.00		2801317.00
3-A	Guest House Assets	5162947.34	0.00	5162947.34	140920.00	0.00	5303867.34	0.00	5303867.34
1	Furniture & Fixture-Guest House	944621.42		944621.42			944621.42		944621.42
2	Kitchen Equipments	1391372.00		1391372.00	14920.00		1406292.00		1406292.00
3	Refrigerators	835977.80		835977.80	90000.00		925977.80		925977.80
4	Television	410448.70		410448.70			410448.70		410448.70
5	Room Heaters	211843.98		211843.98			211843.98		211843.98
6	Tullu Pump	175585.44		175585.44			175585.44		175585.44
7	Washing Machine	459010.00		459010.00			459010.00		459010.00
8	Water Filter & Aqua guards	734088.00		734088.00	36000.00		770088.00		770088.00
4	Library Assets	231431125.92	2827532.00	234258657.92	21310802.00	0.00	255569459.92	2579194.00	258148653.92
1	Back Vol. Of Journal	101698497.00	1864517.00	103563014.00	21259905.00		124822919.00		124822919.00
2	Books & Journal	128458758.92	963015.00	129421773.92	50897.00		129427670.92	2579194.00	132051864.92
3	Bar Coding & Security Equip.	1273870.00		1273870.00			1273870.00		1273870.00
5	Machinery & Equipments	229523485.96	35280767.00	264804252.96	72000.00	12963717.06	251912535.90	10623319.00	262535854.90
1	Cluster Computer - Xth Plan	21573474.00		21573474.00			21573474.00		21573474.00
2	Cluster Computer - Xlth Plan	52249760.00		52249760.00		11565675.00	40684085.00		40684085.00
3	Computers & Peripherals	128653285.66	27839951.00	156493236.66		1346078.06	155147158.60	9087852.00	164235010.60
4	U.P.S. & Batteries	16663447.80	3301390.00	19964837.80	72000.00	51964.00	19984873.80		19984873.80
5	Software	10383518.50	4139426.00	14522944.50			14522944.50	1535467.00	16058411.50
6	Misc. Equipments	5728878.41	0.00	5728878.41	27450.00	72150.00	5684178.41	39100.00	5723278.41
1	Audio/Video System	2007098.00		2007098.00			2007098.00	39100.00	2046198.00
2	Gym. Equipments	238873.00		238873.00			238873.00		238873.00
3	Health Center Equipment	299569.00		299569.00			299569.00		299569.00
4	Misc. Equipments	1333132.70		1333132.70			1333132.70		1333132.70
5	Scientific Equipments	142320.71		142320.71			142320.71		142320.71
6	Telephone Equipments & Appt.	1707885.00		1707885.00	27450.00	72150.00	1663185.00		1663185.00
Grand Total=====>		712993815.00	41620584.00	754614399.00	21921780.00	13501855.06	763034323.94	14036449.00	777070772.94
							Capitalised upto last year		754614399.00
							Add : Capitalised From Non Plan		21921780.00
							Add : Capitalised From Plan		14036449.00
							Less : Sold out / Buy Back / Reversal		-13501855.06
							Total Value of Capitalised Assets		777070772.94

Harish-Chandra Research Institute Allahabad
Statement of Fixed Assets , Depreciation & Depreciation Fund
Schedule 5 -forming part of Balance Sheet as at 31st March 2016

Gross Block			Depreciation Reserve					Net Block of Assets	
Sl.No.	Description	Depreciation Rate %	W.D.V.as on 31.03.15	Depreciation Charged on value (Total Gross Block-Total Cumulative Dep. Reserve upto last year)	Depreciation for the year 2015-16	Cumulative Dep. Reserve as on 31.03.2015	Adjustments	Depreciation Reserve up to 31.03.2016	W.D.V. as on 31.03.16
1	2	11	12	(10-15)=13	14	15	16	17	18
1	2	8	9=(3-12)	10=(7-12)	11	12	13	14=(12+11-13)	15=(7-14)
1	Land & Building	10%	40705417.53	40705417.53	4070541.65	116696060.32	0.00	120766601.97	36634875.88
1	Land		1.00	1.00	0.00	0.00	0.00	0.00	1.00
2	Building	10%	40705416.53	40705416.53	4070541.65	116696060.32		120766601.97	36634874.88
2	Furniture & Fixtures	10%	17203391.30	17683461.30	1768346.12	31204572.02	0.00	32972918.15	15915115.17
1	Furniture & Fixture	10%	9629716.17	9802016.17	980201.62	14512188.64	0.00	15492390.26	8821814.55
2	Electrical Fittings	10%	7573675.13	7881445.13	788144.51	16692383.38	0.00	17480527.89	7093300.62
3	Other Assets	15%	10820889.77	11040275.77	1656102.27	28029331.44	418098.00	29267335.70	9802271.50
1	A.C. & Stabilizers	15%	4605493.65	4518879.65	677831.95	11382656.95	418098.00	11642390.90	4259145.70
2	Bicycles & Rickshaw Trolley	15%	8312.68	8312.68	1246.90	20435.32	0.00	21682.22	7065.78
3	Car-Maruit Esteem	15%	30335.21	30335.21	4550.28	449081.79	0.00	453632.07	25784.93
4	Coolers	15%	336401.65	336401.65	50460.25	766284.35	0.00	816744.60	285941.40
5	Electronic Typewriters	15%	52019.85	52019.85	7802.98	122402.40	0.00	130205.38	44216.87
6	Elevator	15%	90951.16	90951.16	13642.67	794048.84	0.00	807691.51	77308.49
7	Fax Machine	15%	2603.09	2603.09	390.46	5516.91	0.00	5907.37	2212.63
8	Fire Alarm System	15%	224287.66	224287.66	33643.15	517584.34	0.00	551227.49	190644.51
9	Fire Extinguishers	15%	162510.58	162510.58	24376.59	326197.42	0.00	350574.01	138133.99
10	Generator Sets	15%	3225289.14	3225289.14	483793.37	6795313.16	0.00	7279106.53	2741495.77
11	Geysers	15%	160021.71	160021.71	24003.26	674527.34	0.00	698530.60	136018.45
12	Projector	15%	745080.35	1051080.35	157662.05	1287155.65	0.00	1444817.70	893418.30
13	Telescope	15%	243962.24	243962.24	36594.34	2487081.76	0.00	2523676.10	207367.90
14	Solar Light	80%	93.70	93.70	74.96	533255.30	0.00	533330.26	18.74
15	Xerox machine	15%	933527.10	933527.10	140029.07	1867789.90	0.00	2007818.97	793498.04
3-A	Guest House Assets	10%	1817031.59	1957951.61	273978.83	3345915.75	0.00	3619894.56	1683972.78
1	Furniture & Fixture-Guest House	10%	394278.35	394278.34	39427.83	550343.08	0.00	589770.91	354850.51
2	Kitchen Equipments	15%	399507.16	414427.16	62164.07	991864.84	0.00	1054028.91	352263.09
3	Refrigerators	15%	331775.43	421775.43	63266.31	504202.37	0.00	567468.68	358509.12
4	Television	15%	69818.86	69818.86	10472.83	340629.84	0.00	351102.67	59346.03
5	Room Heaters	15%	54480.03	54480.03	8172.00	157363.95	0.00	165535.95	46308.03
6	Tullu Pump	15%	50385.04	50385.04	7557.76	125200.40	0.00	132758.16	42827.28
7	Washing Machine	15%	256017.14	256017.14	38402.57	202992.86		241395.43	217614.57
8	Water Filter & Aqua guards	15%	260769.60	296769.60	44515.44	473318.40	0.00	517833.84	252254.16
4	Library Assets	25%	41205965.06	65095961.06	16273990.27	193052692.86	0.00	209326683.13	48821970.80
1	Back Vol. Of Journal	25%	22186640.85	43446545.85	10861636.46	81376373.15	0.00	92238009.61	32584909.39
2	Books & Journal	25%	18867188.65	21497279.65	5374319.91	110554585.27	0.00	115928905.18	16122959.74
3	Bar Coding & Security Equip.	25%	152135.56	152135.56	38033.89	1121734.44	0.00	1159768.33	114101.67
5	Machinery & Equipments	60%	25946604.04	23678205.99	14206923.59	238857648.91	11598158.00	241466414.50	21069440.40
1	Cluster Computer - Xth Plan	60%	63843.68	63843.68	38306.21	21509630.32	0.00	21547936.53	25537.47
2	Cluster Computer - Xlth Plan	60%	939567.84	-10626107.16	-6375664.30	51310192.16	11546726.00	33387801.86	7296283.14
3	Computers & Peripherals	60%	21039992.58	28781766.52	17269059.91	135453244.08	0.00	152722303.99	11512706.61
4	U.P.S. & Batteries	60%	1911361.10	1931397.10	1158838.26	18053476.70	51432.00	19160882.96	823990.84
5	Software	60%	1991838.85	3527305.85	2116383.51	12531105.65	0.00	14647489.16	1410922.34
6	Misc. Equipments	15%	1575240.09	1569640.08	235446.01	4153638.33	49480.00	4339604.34	1383674.07
1	Audio/Video System	15%	811760.85	850860.85	127629.13	1195337.15	0.00	1322966.28	723231.72
2	Gym. Equipments	15%	118662.41	118662.41	17799.36	120210.59	0.00	138009.95	100863.05
3	Health Center Equipment	15%	115099.39	115099.39	17264.91	184469.61	0.00	201734.52	97834.48
4	Misc. Equipments	15%	250103.64	250103.64	37515.55	1083029.06	0.00	1120544.61	212588.09
5	Scientific Equipments	15%	5516.29	5516.29	827.44	136804.42	0.00	137631.86	4688.85
6	Telephone Equipments & Appt.	15%	274097.50	229397.50	34409.63	1433787.50	49480.00	1418717.13	244467.88
Grand Total			139274539.40	161730913.34	38485328.75	615339859.59	12065736.00	641759452.34	135311320.60

Schedule 9 forming part of Income & Expenditure as at 31st March 2016

Year 2014-15	Non-Plan Salary Expenses	Year 15-16	
80520865.00	a. Pay & Allowances		81115234.00 Dr
<i>78851959.00 Dr</i>	<i>Employees Remunerations</i>	<i>80065731.00 Dr</i>	
<i>656162.00 Dr</i>	<i>Children Education Allowance</i>	<i>652949.00 Dr</i>	
<i>1661600.00 Dr</i>	<i>LTC to Staff</i>	<i>993824.00 Dr</i>	
<i>-648856.00 Cr</i>	<i>Recovery of License Fee</i>	<i>-597270.00 Cr</i>	
1886325.00 Dr	b. Honorarium & Scholarships		4960010.00 Dr
<i>0.00 Dr</i>	<i>Teaching Grant-SRFs/JRFs</i>		
<i>643696.00 Dr</i>	<i>Honorarium</i>	<i>1103773.00 Dr</i>	
<i>1242629.00 Dr</i>	<i>Contingency Grant to SRFs/JRFs</i>	<i>3856237.00 Dr</i>	
29766786.00 Dr	c. Fellowships	40455208.00	40277675.00 Dr
15800.00 Dr	d. CPF (Employer's Contribution)	0	0.00 Dr
2280564.00 Dr	e. NPS	2463434.00	2463434.00 Dr
3486935.00 Dr	f. Pension	3725619.00	3725619.00 Dr
7458359.00 Dr	g. Retirement Benefits (Gratuity Etc.)		6092918.00 Dr
<i>264699.00 Dr</i>	<i>Commutation of Pension</i>	<i>3723778.00 Dr</i>	
<i>1443634.00 Dr</i>	<i>EL Encashment on Retirement</i>	<i>934236.00 Dr</i>	
<i>9990.00 Dr</i>	<i>Leave Salary Contribution</i>	<i>0.00 Dr</i>	
<i>5740036.00 Dr</i>	<i>Gratuity</i>	<i>1434904.00 Dr</i>	
4028806.00 Dr	h. Medical-Reimbursement		3990977.00 Dr
<i>2318547.00 Dr</i>	<i>Health Centre Expenses</i>	<i>2574658.00 Dr</i>	
<i>693825.00 Dr</i>	<i>Medical Assistance Indoor</i>	<i>405604.00 Dr</i>	
<i>429643.00 Dr</i>	<i>Medical Assistance Outdoor</i>	<i>472976.00 Dr</i>	
<i>694636.00 Dr</i>	<i>Medical Assistance Prolonged Treatment</i>	<i>816361.00 Dr</i>	
<i>419430.00 Dr</i>	<i>Medical Assistance-Spl. Procedures</i>	<i>470119.00 Dr</i>	
<i>33235.00 Dr</i>	<i>TA/ DA - for Medical Purpose</i>	<i>26065.00 Dr</i>	
<i>-560510.00 Cr</i>	<i>Contributory Medical Scheme(CMS)</i>	<i>-774806.00 Cr</i>	
12944444.00	TOTAL (a+b+c+d+e+f+g+h)		142625867.00 Dr

Schedule 10 forming part of Income & Expenditure as at 31st March 2016

Year 2014-15	Non-Plan Non-Salary Expenses	Year 2015-16	
147800.00 Dr	a. Overtime Allowances	123400.00 Dr	123400.00 Dr
1488805.00 Dr	b. Domestic Travel Expenses	1124491.00 Dr	1124491.00 Dr
774275.00 Dr	c. Foreign Travel Expenses	0	0.00 Dr
5548225.50 Dr	d. Office Expenses		3537515.00 Dr
28919.00 Dr	<i>Furniture & Fixture</i>	59300.00 Dr	
2905627.00 Dr	<i>Pur. & Maint. of Office Equipment</i>	1248500.00 Dr	
381775.00 Dr	<i>Stationary & Printing</i>	495972.00 Dr	
130877.00 Dr	<i>Postage</i>	91302.00 Dr	
1059608.50 Dr	<i>Canteen</i>	814793.00 Dr	
1041419.00 Dr	<i>Telephone, Telex, Telegrams Etc.</i>	827648.00 Dr	
18568077.00 Dr	e. Library & Publications		22211170.12 Dr
18234250.00 Dr	<i>Current Journals</i>	22088945.12 Dr	
80808.00 Dr	<i>Publication of Report</i>	71328.00 Dr	
253019.00 Dr	<i>Purchase of Books</i>	50897.00 Dr	
560205.00 Dr	f. Supplies & Materials consumed	837533.00 Dr	837533.00 Dr
57579647.00 Dr	g. Minor Works & Maintenance		59058783.00 Dr
5650484.00 Dr	<i>Civil Maintenance</i>	2729641.00 Dr	
1482159.00 Dr	<i>Maintenance of Lawns</i>	1229411.00 Dr	
11129370.00 Dr	<i>Maintenance of Security Services</i>	11318613.00 Dr	
16432374.00 Dr	<i>Watch & Ward and House-Keeping Services</i>	18431941.00 Dr	
22885260.00 Dr	<i>Electricity Charges</i>	25349177.00 Dr	
7815925.00 Dr	h. Machinery & Equipments Maintenance		5816659.00 Dr
1494635.00 Dr	<i>Maintenance of Elect. Installations</i>	1362647.00 Dr	
1782643.00 Dr	<i>Maintenance of Generator</i>	1181541.00 Dr	
2301608.00 Dr	<i>Misc. Equipments-Purchase & Maintenance</i>	997035.00 Dr	
55352.00 Dr	<i>Maintenace of Aqua Guards</i>	44788.00 Dr	
2025016.00 Dr	<i>Maintenance of Air-Conditioners</i>	2027020.00 Dr	
8600.00 Dr	<i>Maintenance of Fire Extinguishers</i>	128042.00 Dr	
18036.00 Dr	<i>Maintenance of Gas Bank</i>	9600.00 Dr	
130035.00 Dr	<i>Maintenance of Photocopiers</i>	65986.00 Dr	
850473.00 Dr	i. Conferences/Seminars	773137.00 Dr	773137.00 Dr
4515429.00 Dr	j. Motor Vehicles	4147657.00 Dr	4147657.00 Dr
4221719.50 Dr	k. Other Expenses		6260593.30 Dr
2511428.50 Dr	<i>Guest House Maintenance</i>	3953381.00 Dr	
82695.00 Dr	<i>Consultancy & Legal Expenses</i>	225193.00 Dr	
328110.00 Dr	<i>Advertisement</i>	458786.00 Dr	
27827.00 Dr	<i>Bank Comm.</i>	31433.30 Dr	
81615.00 Dr	<i>Binding Charges</i>	152700.00 Dr	
187890.00 Dr	<i>Cable TV Expenses</i>	186690.00 Dr	
7187.00 Dr	<i>Liveries</i>	0.00 Dr	
49516.00 Dr	<i>Misc. Expenses</i>	57486.00 Dr	
66673.00 Dr	<i>News Paper & Periodicals</i>	56828.00 Dr	
110278.00 Dr	<i>Office Expenses</i>	531128.00 Dr	
39238.00 Dr	<i>SPIC-MACAY Chapter</i>	63391.00 Dr	
163616.00 Dr	<i>Sports & Other Activities</i>	164922.00 Dr	
200517.00 Dr	<i>Swimming Pool Maintenance</i>	253217.00 Dr	
365129.00 Dr	<i>Loss on Sale of Assets</i>	62860.00 Dr	
0.00 Dr	<i>TDS on Fixed Deposit (HRI)</i>	62578.00 Dr	
22800.00 Dr	l. Audit Fees	25650.00 Dr	25650.00 Dr
102093381.00 Dr	Grand Total (a+b+c+d+e+f+g+h+i+j+k+l)		103916588.42 Dr

HARISH CHANDRA RESEARCH INSTITUTE ALLAHABAD

SCHEDULE-11

FORMING PART OF BALANCE SHEET AND INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED ON 31st MARCH 20

SIGNIFICANT ACCOUNTING POLICIES & NOTES ON ACCOUNTS

Basis of Accounting

1. The accounts are prepared under historical cost convention on an accrual basis.
2. Accounting policies not specifically referred to otherwise are consistent and in consonance with generally accepted accounting principles except as stated in Sl.Nos.9, 10 & 12 below.
3. Figures of the previous year and current year have been regrouped wherever necessary to confirm classification.

Fixed Assets

4. Fixed Assets are stated at cost of acquisition inclusive of freight, duties, taxes and incidental expenses related to the acquisition. The Fixed Assets are subject to physical verification.
5. Realization made from Sale of Assets & Scrap is taken as Non-Recurring Income in the year of receipt.

Depreciation

6. Depreciation on Fixed Assets has been provided on written down value method as per rates specified in the Income Tax Act, 1961.

A. Land	:	NIL
B. Building	:	10%
C. Plant, Machinery & Equipment	:	15%
D. Vehicles	:	15%
E. Furniture & Fixtures	:	10%
F. Office Equipments	:	15%

G. Computer/ Peripherals	:	60%
H. Electrical Installations	:	10%
I. Books & Journals	:	25%
J. Other Fixed Assets	:	15%
K. Solar Lights & Systems	:	80%

- 6.1 Depreciation has been charged for the full year on additions made during the year. No Depreciation is charged on assets, which is sold during the year.

Investment

7. Investments are valued at cost plus interest accrued thereon.

Plan Funds

8. Assets purchased from Plan funds Rs. 1,40,36,449.00 & Non-Plan funds Rs. 2,19,21,780.00 during the year have been capitalized under the appropriate heads of accounts of Fixed Assets.

Funds for Projects/Schemes

9. All grants in respect of projects/ schemes are accounted on realization basis. The unspent amount of grants received in respect of the projects/ schemes is shown under Current Liabilities in the Balance Sheet under the head "Receipts against ongoing sponsored projects/ schemes" and excess of payments made over the grants received in respect Project/ schemes are shown under Current Assets in the Balance Sheet under the head "Payments against ongoing sponsored Projects/ Schemes".

Expenses

10. Consumable, stores and stationary are charged to the Income and Expenditure Account in the year of its purchase.
11. Email, VSAT facility, Internet/ Broadband charges, Annual Maintenance charges of fixed assets, Up-date Allowances, PRIS are charged to the Income & Expenditure account in the year of its payment. Rent receipts are taken into Income & Expenditure account on cash basis.
12. Deferred Revenue Expenditure incurred on composite work of Power Line is to be written off 1/ 10th per year over a period of ten years.

Income/Receipts

13. Interest income on UPPCL deposit and bank accounts are recognized on receipt basis.

Retirement Benefits

14. Provisions for accrued liability towards Gratuity and Leave Encashment have been made on actuarial valuation basis.
15. Interest Liability on NPS balances has not been provided for.

Taxation

16. Since there is no taxable income as per the provisions of Income Tax Act 1961, provision for Income Tax has not been made.

As per our separate report of even date attached.

For M/s Amit Om & Co.

Chartered Accountants

Sd./ -
Partner
Sd./ -
(Amit Roy)
Accounts Officer (Offc.) & IA&AO

Sd./ -
(Ravindra Singh)
Registrar

Sd./ -
(Jayanta Kumar Bhattacharjee)
Director

Place: Allahabad

Date: 03-08-16

Harish-Chandra Research Institute
Receipts & Payments Account for the year ended on 31st March 2016

Receipts		Payments	
FY 15-16		FY 15-16	
Opening Balance			6131973.00
Bank Accounts	146745539.32	XII Plan Grants Utilisation	6131973.00
Cash-in-hand	35260.00	Other Grants & Receipts	3233220.00
DAE - Non Recurring Grants(XI Plan)		DST Projects	360000.00
XIth Plan Grant Receipts	1448000.00	NBHM Projects	69571.00
XIth Plan Grants Utilisation	0.00	Inspire Faculty Award-R.Prabhu	1999079.00
DAE - Non Recurring Grants(XII Plan)		JC Bose Fellowship to Dr.Ashoke Sen	55757.00
XIth Plan Grant Receipts	89552000.00	Ramanujam Fellowship-Dr Anshuman Maharana	34939.00
XII Plan Grants Utilisation	609983.00	CSIR	530000.00
Receipts		Infosys Foundation Grants	21054.00
Grants-in-Aid General	251400000.00	Other Grants	162820.00
Institute & Other Sources Receipts	4629776.00	Current Liabilities	209662939.00
Other Grants & Receipts		Accounts Payable	14446227.00
Endowment Fund	53664974.00	Duties & Taxes	13885082.00
DST Projects	643001.00	Provisions	19335.00
NBHM Projects	68700.00	Sundry Creditors	181312295.00
Inspire Faculty Award-R.Prabhu	3061956.00	Current Assets	8147888.00
JC Bose Fellowship to Dr.Ashoke Sen	1360000.00	Deposits (Asset)	25000.00
CSIR	360000.00	Advance for Journals	4332272.00
Infosys Foundation Grants	210535.00	Advances for Travel/Abroad Travel	506086.00
Other Grants	101169.00	Advances Recoverable Ag. Salaries	1723393.00
Current Liabilities		Claims Receivable	1561137.00
Accounts Payable	18300253.00	Investments In Bank	53200000.00
Duties & Taxes	12081677.00	FDR with BoB (Harish Chandra Memorial Award)	1000000.00
Provisions	399568.00	FDR with BoB (Infosys Foundation Fund)	50000000.00
Sundry Creditors	7235078.00	FDR with BoB (Shamik Banerjee Memorial Award)	1000000.00
Current Assets		FDR with BoB (Sutapa Sen Memorial Award)	1200000.00
Advance for Journals	2214204.00	Recurring Grant Utilization	135566949.30
Deposits (Asset)	1100000.00	Non-Plan Salary Expenses	132149742.00
Advances for Travel/Abroad Travel	379477.00	Non-Plan Non-Salary Expenses	3417207.30
Advances Recoverable Ag. Salaries	431046.00	Closing Balance	186941411.02
Claims Receivable	1234329.00	Bank Accounts	186864553.02
Recurring Grant Utilization		Cash-in-hand	76858.00
Non-Plan Salary Expenses	5617855.00	Total	602884380.32
Total	602884380.32	Total	602884380.32

As per our separate report of even date attached
For M/s Amit Om & Co.

Chartered Accountants

(Amit Roy)
Accounts Officer (Offc.) & I&A&O

(Ravindra Singh)
Registrar

(Jayanta Kumar Bhattacharjee)
Director

Partner

Action Taken on Auditors Report – FY 2015-16

S.No.	Notes on Accounts	Compliance
1.	An amount of Rs.4,78,50,030/- has been shown as Capital WIP of which construction has stopped through ADA order.	The Hon'ble High Court has passed an order that no construction shall be carried out within the 500 meters of Highest Flood Level (HFL) of river Ganges in the year 1978, as a result, the construction activity of the Institute was stopped since February 2013 and was reported to Governing Council meeting dated 20.03.2013. The Governing Council approved the foreclosure of the contract. Since the matter is still subjudice, the entire amount is shown as work in progress and has not been capitalized so far.
2.	Amount recoverable against completed projects shown as claims recoverable. Institute should take necessary steps to recover or write off the following amounts: A. NBHM Grant- K. Gangopadhyay Since 2007 Rs.47,533.00 B. NBHM Grant- Joseph Samuel Since 2007 Rs.17,030.00 C. DST-SFT Manoj Kumar Since 2007 Rs.33,961.00 D. NBHM Fellowships Since 2009 Rs.1,85,867.00 E. HNB Garhwal University Since 2010 Rs.40,000.00 F. Ramanujan Maths Society (DST) Since 2012 Rs.8,750.00	The Institute has referred this matter to DAE vide letter No.HRI.392/1150 dated 06/07/2016 for permission to write-off these amounts as per the directives of the Governing Council Meeting dated 13/04/14 after concurrence of DAE these amounts will be written-off from our books of account.
3.	During the year no interest on Security deposit with UPSEB was received.	Normally UPPCL adjusts the interest on security deposit in the bill of Jul-Aug of the next FYR. So for the year 2015-16, Rs. 230976.00 has been adjusted in the electricity bill of July 2016.
4.	Balance of EMD, Security Deposits, Sundry Creditor, Loan & Advances and Claims Recoverable etc. are subject to confirmation, Reconciliation and consequential adjustments thereof.	The Institute has already written letters to parties towards confirmation of their EMDs, Security Deposits, Sundry Creditor, Loan & Advances and Claims Recoverable etc. There has been no dispute to any outstanding claim so far.
5.	Physical verification of Fixed Assets has not been carried out by the Institute for some of these departments. The quantity and value reconciliation has not been done with fixed assets register for all the items therefore we are unable to comment that financial records are in agreement with assets as recorded in fixed assets register.	Asset Register having matching details of balance sheet figures (now audited) will be prepared shortly. The process of Annual Verification of Assets in respect of all assets acquired through project funds has been completed for this year also and shown to auditors.
6.	Amount of Rs.6,47,829.76 received in Bank of Baroda A/c No. 108 and not related to institute is shown in bank reconciliation statement as at 31 st March 2016.	The Institute is in correspondence with Bank of Baroda to trace the source of this amount and the necessary rectification entries will be passed in the current financial year. Meanwhile we are also reconciling our accounts to trace this amount to check in which project this amount belongs.
7.	Unutilized amount of the Non Plan Grant has been taken as income in the current year 2015-16 instead of treating it as current liability as the unutilized grant of government is adjusted against next years grant. Therefore income of the institute has been overstated to such extent (Rs.48,57,544.58) for the year 2015-16.	The Institute has followed the past practice of transferring this surplus to the Corpus Fund and it was never objected by any of the previous auditors. The Institute has taken note this observation and will take corrective measures in the next Financial Year.
8.	Previous Year's figures have been regrouped or rearranged wherever necessary.	This is a standard accounting procedure being followed every year.

Sd./-
(Amit Roy)
Accounts Officer (Offc.)
& IA&AO

Sd./-
(Ravindra Singh)
Registrar

Sd./-
(J.K. Bhattacharjee)
Director