

वार्षिक प्रतिवेदन **ANNUAL REPORT**



हरीश-चन्द्र अनुसंधान संस्थान
Harish-Chandra Research Institute

छतनाग मार्ग, झूंसी, प्रयागराज (इलाहाबाद) & 211019
Chhatnag Road, Jhunsi, Prayagraj (Allahabad) – 211019

ANNUAL REPORT

(2021-22)

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ABOUT THE INSTITUTE

HISTORY

The Harish-Chandra Research Institute is one of the premier research institutes in the country. It is an autonomous institution fully funded by the Department of Atomic Energy (DAE), Government of India. The Institute was founded as the Mehta Research Institute of Mathematics and Mathematical Physics (MRI). On 10th Oct 2000 the Institute was renamed as Harish-Chandra Research Institute (HRI) after the acclaimed mathematician, the late Prof Harish-Chandra.

MRI started with the 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 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. 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. After him Prof. Sumathi Rao officiated as Acting Director till April 28, 2012. Prof. Jayanta Kumar Bhattacharjee was the next Director and continued till April 9, 2017. Prof. Pinaki Majumdar, the current Director, took over on April 10, 2017.

The Institute has a residential campus in Jhunsi, Allahabad, with a library, state of the art computational facility and fast internet link to the outside world. There is an active Ph.D program, an M.Sc program in Physics that started in 2017, and a large traffic of visiting scientists and students.

RESEARCH

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 scientists, post-doctoral fellows and Ph.D. students.

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, variation all 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.

The areas of research in physics are 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 systems, study of energy materials, and the study of clusters and nanomaterials. 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, super symmetry 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.

RECOGNITION

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. Ashoke Sen, Prof. B. Mukhopadhyaya, Prof. Pinaki Majumdar and Prof. Rajesh Gopakumar have been awarded the Shanti Swarup Bhatnagar prize and in 2018 Prof. Aditi Sen De became the first woman scientist in India to be awarded the Bhatnagar prize in Physical Sciences. 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. In 2017 the Institute was recognized as being among the top 10 research centers in India by the Nature journal.

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DIRECTOR'S REPORT

This report covers the period from April 2021 to March 2022. The major events, worldwide, over the last two years were the waves of covid. April 2021 was the onset of the severe second wave in India, and Prayagraj was no exception. However, HRI survived the wave without major loss and has maintained its academic momentum. The next few paragraphs highlight our experience and progress during the last 12 months.

1. Covid response: April to June 2021 were the worst months of covid in the country. Having called back the students to campus after the waning of the first wave there was no time to send them back again. We implemented safety protocols on campus, minimising gathering, and isolated all covid cases and their contacts. The campus medical center and consultant physicians maintained vigil throughout these months. There was only one case of hospitalisation, and no fatalities.

2. Teaching program and students: The 2021-22 period continued in the online mode given the occurrence of the second and third waves of covid. 19 students joined the physics M.Sc program – out of a capacity of 20, and 14 students (including some transfers from I.I.T Indore) joined the physics Ph.D program. The first year course for this relatively large batch has been successfully completed. There were 6 students admitted in the mathematics Ph.D program. 11 students submitted their Ph.D thesis during the period, and 7 students completed their M.Sc.

3. Faculty appointments: We have appointed a faculty member to supervise the physics teaching laboratory. Dr. Shyam Lal Gupta has joined in this position. Dr. Debraj Rakshit has joined the physics faculty. He brings expertise in the area of cold atom physics and its interface with quantum information. We expect three members to join over the next few months, these are Sayan Choudhury in condensed matter physics, Bhupendra Mishra in computational astrophysics, and Jishnu Ray in mathematics.

4. Academic events: All events during this period were in the online mode. We had a one day meeting on "Trends in String Theory". We also had a series of talks on the history of Indian Mathematics as part of the "Azadi ka Amrit Mahotsav"

year. This included talks by M.S. Raghunathan, Gopalrao Dani, Aditya Kolachana, Venketeswara Pai, A. J. Parameshwaran, Avinash Sathaye and M. D. Srinivas.

5. Extramural funding: HRI scientists have attracted significant external funding for their work. This includes support for quantum computation under the government's QUEST project, and multiple grants on energy issues, e.g. carbon capture, hydrogen storage, energy scavenging, etc. These allow recruitment of research students and postdocs, and give access to external high performance computation.

6. Publications: Despite the second and third waves of covid during this period HRI has maintained a consistent publication record. The total number of publications is 127 over this period.

Prof. Pinaki Majumdar
Director

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GOVERNING COUNCIL**(2021-22)**

1. Shri K.N. Vyas (Chairman)	Chairman, Atomic Energy Commission (A.E.C.) & Secretary Department of Atomic Energy, Govt. of India, Anushakti Bhawan, C.S.M. Marg, Mumbai – 400 001
2. Smt. Sushma Taishete	Joint Secretary (R&D) Deptt. of Atomic Energy, Govt. of India, Anushakti Bhavan, C.S.M. Marg, Mumbai – 400 001
3. Smt. Richa Bagla	Joint Secretary (Finance) Deptt. of Atomic Energy, Govt. of India, Anushakti Bhavan, C.S.M. Marg, Mumbai – 400 001
4. Prof. V. Srinivas	Senior Professor T.I.F.R. & Chairman N.B.H.M., School of Mathematics, Tata Institute of Fundamental Research, Homi Bhabha Road, Colaba, Mumbai – 400 005
5. Prof. V. Arvind	Director, Institute of Mathematical Sciences CIT Campus, Taramani, Chennai – 600 113
6. Prof. Sanghamitra Bandopadhyay	Director, Indian Statistical Institute, 203, B.T. Road, Kolkata – 700 108

7. Prof. Mustansir Barma	Professor Emeritus Tata Institute of Fundamental Research 36/P, Gopanpally Village, Serilingampally Madal, Hyderabad – 500 046
8. Director (Ex-officio)	Higher Education Department, U.P. Near G.P.O., Civil Lines, Allahabad – 211 001
9. Shri S. L. Mehta	4, Clive Row, Kolkata – 700 001
10. Shri Avnish Mehta	4, Penn Road, Kolkata – 700 027
11. Shri Rajnish Mehta	4, Penn Road, Kolkata – 700 027
12. Prof. Pinaki Majumdar (Ex-Officio)	Director Harish-Chandra Research Institute Chhatnag Road, Jhunsi, Allahabad – 211 019
Shri Ravindra Singh,	Registrar HRI was the Non-Member Secretary of the Governing Council.

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ACADEMIC STAFF

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ADMINISTRATIVE STAFF

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19.	Shri Kamlesh Thakur	Bearer (Canteen Cadre)	-
20.	Shri Kamta Prasad	Peon/Watchman	-
21.	Shri Rajesh Kumar	Safaiwala	-

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SUMMARY OF RESEARCH ACTIVITIES (MATHEMATICS)

The main themes of research of the mathematics group at HRI are in the areas of Finite Group Theory, Representation theory and Lie Algebras, Algebraic Geometry, Differential Geometry, Harmonic Analysis, and Number Theory. The report below highlights contributions made to some of these areas over the academic year 2021-2022.

One of the most important and beautiful themes unifying many areas of modern mathematics is the study of symmetry. Group theory is the mathematical study of symmetry and explores general ways of studying it in many distinct settings. Manoj Kumar Yadav with his student Mr. Nishant, use their work in group theory to enumerate skew left braces of small orders and obtain so-called set-theoretic solutions of the quantum Yang-Baxter equation, arising in Physics. A long-standing well-known problem in group theory is to classify finite groups in which every element of the commutator subgroup is a commutator. Continuing their work on this problem, Manoj Kumar Yadav along with his student Rahul Kaushik investigated finite p -groups of order p^7 , and presented a fine characterization of those groups G of order p^7 whose commutator subgroup contains elements that are not commutators in G . Their work, along with the existing theory, suggests a general phenomenon that might take place in all finite p -groups.

Group theory has an important role in Representation theory. The representation theory of infinite dimensional Lie algebras is of great interest in both mathematics and physics. An important question in this topic is the classification of irreducible integrable modules over these algebras. In a recent work with her student Mr. Santanu Tantubay, Punita Batra has classified irreducible integrable modules with finite dimensional weight spaces for full toroidal Lie algebra co-ordinated by rational quantum tori with nonzero central action on the modules.

Homological algebra is a tool used in many branches of Mathematics including Algebraic Geometry. Let R be an arbitrary commutative ring. Hrbek has proved the following important result for compactly generated t -structures in the derived category of a commutative ring. The compactly generated t -structures in $D(R)$ are in bijective correspondence with decreasing sequences of Thomason subsets of

the Zariski spectrum $\text{Spec}(R)$. Umesh Dubey along with his student Gopinath Sahoo generalized this to prove the classification of compactly generated tensor t-structure of the unbounded derived category of quasi-compact and quasi-separated schemes in terms of filtrations of Thomason subsets. As an application of their main theorem, they prove that a tensor version of the famous telescope conjecture is true for separated Noetherian schemes.

The theory of harmonic manifolds is a key area of study in Differential Geometry. In recent work, Prof. Hemangi Shah has shown that the asymptotically harmonic manifolds with minimal horospheres are flat if they are either Einstein or homogeneous. This strengthens a result by J. Heber, which proves that asymptotically harmonic manifolds with minimal horospheres are flat if they are Einstein and homogeneous. Thus she could resolve the conjecture in the category of asymptotically harmonic Einstein spaces and also in the category of asymptotically harmonic homogeneous spaces: Any asymptotically harmonic manifold is either of polynomial volume growth or of exponential volume growth provided it is either homogeneous or Einstein.

A Hilbert space (H) of distributions on the real vector space of n-dimensions, is said to be translation invariant if every translate by an element of real vector space of any distribution in H is also in H and has the same norm. The modulation invariance of H is defined similarly in terms of the notion of modulation of elements of H by the elements of the real vector space of n-dimensions. P.K. Ratnakumar and his collaborators Joachim Toft, Ramesh Manna and Anupam Ghumbher show that any Hilbert space H of distributions on the real vector space of n-dimensions which is both translation and modulation invariant is necessarily the same as the space of square integrable functions on the real vector space of n-dimensions.

Algebra, Analysis and Geometry have found many applications in Number theory. In 1844, Cantor proved that almost all real numbers are indeed transcendental numbers. However, given a real number, it is a hard problem to determine whether it is a rational number or not, and more generally, whether it is an algebraic number or a transcendental number. There are only a few known techniques to date available to predict the nature of the real numbers. The rational approximation technique and its far-reaching generalization such as the

Subspace Theorem proved to be more useful in solving these kinds of problems. R. Thangadurai and Veekesh Kumar recently obtained a multi-dimensional ‘moving target’ version of Roth’s theorem on rational approximation results and as an application, they obtained a transcendental criterion. Using these ‘transcendental techniques’, Aprameyo Pal, R. Thangadurai, and Veekesh Kumar obtained a criterion for an algebraic integer to be a root of unity. Also, using these transcendence techniques, a result that predicts the given algebraic numbers to be algebraic integers when one has the information on the trace of powers of those algebraic numbers. For example, if the trace of powers of a given algebraic number is non-zero integers for infinitely many powers, it is proven that the given algebraic number must be an algebraic integer.

The study of arithmetic Elliptic curves depends heavily on the fundamental theorem proved by Wiles, Taylor--Wiles on Shimura--Taniyama conjecture in dimension 2. So, it is imperative to know more about Langland’s correspondence in more generality. Other than GL_2 , our knowledge is quite limited. Again, much is known over the global function field in characteristic p by results of Drinfeld, and Lafforgue. In characteristic zero, Harris, Taylor & Henniart have proved the local Langlands correspondence for GL_n for l -adic representations. For p -adic representations, a lot of new technical difficulties arise. Accordingly, the p -adic Langlands programme is one of the most active themes in current research. By fundamental results due to Colmez, Breuil, and Paskunas, the case of $GL_2(Q_p)$ is now resolved. Fontaine's notion of (Φ, Γ) -modules lies at the heart of the p -adic Langlands correspondence. Aprameyo Pal along with his collaborator Gergely Zabradi are working with the Iwasawa theory of multi-variable (Φ, Γ) -modules, which are expected to arise naturally in p -adic Langlands correspondence of higher rank reductive groups. After proving Fontaine’s equivalence of categories to multivariable set-up, recently they extended their results to the base change of the multivariable Robba ring to include analytic Iwasawa cohomology.

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SUMMARY OF RESEARCH ACTIVITIES (PHYSICS)

The Physics division of HRI carries out research in five areas. We summarise recent research activities in these areas below.

ASTROPHYSICS

The astrophysics group at HRI consists of one permanent faculty member, two post doctoral fellows and two Ph.D. students. Members of the astrophysics group collaborate with various research groups in India, e.g. Indian Statistical Institute Kolkata, Institute of Mathematical Sciences Chennai, S N Bose National Centre for Basic Sciences Kolkata etc. They also have collaborations with various academic institutions in Europe. The group members have been working on accretion physics around astrophysical black holes, analogue gravity, non-commutative fluids, nonlinearity and chaotic behaviours of the light curves from compact objects, and on various other aspects of gravity and field theory. Work done by the members of the group gets published in various reputed international journals on a regular basis.

CONDENSED MATTER PHYSICS

Our research in condensed matter systems and materials has focussed on strongly correlated systems, topological materials, high pressure physics and energy applications through catalysts and solar cells.

We have been working on methods to understand nonequilibrium dynamics in correlated electron systems, in particular pump-probe experiments. We have solved the problem of charge-order melting and reconstitution and aim to use the method to study driven Mott insulators and superconductors.

We continued with our research themes of materials for alternative, renewable energy and understanding and design of magnetic materials. The role of water structure in determining the rate of hydrogen evolution reaction (HER) in alkaline media is explained through a joint experiment-theory work. Our work explains why increasing alkaline concentration of the electrolyte decreases HER rate. We designed a battery of Machine Learning models which can select out stable, magnetic materials with large magnetic moment and anisotropy from a given pool. Efficacy of these models is tested in subsequent density functional calculations with good success.

We are also working on the Physics of materials for solar cells and fundamentals behind different catalytic reaction for efficient hydrogen generation and carbon emission. We theoretically predict novel materials for efficient and stable solar cells, where the fundamental electronic and excited state properties are being envisaged. We are investigating Rashba-Dresselhaus and Pseudo-Rashba effect in the promising solar cell materials, which is arising from the relativistic spin-orbit coupling. We are also working on high pressure driven phase transformation and exploring the memristive properties from the ion-migration perspective for Neuromorphic computing.

HIGH ENERGY PHENOMENOLOGY

The High Energy Phenomenology group's research is focused on searching for signals of beyond the standard model (BSM) physics at present and future colliders, various neutrino physics and dark matter (DM) experiments, and gravitational waves interferometers. The group has constructed many new BSM models predicting the existence of light Z^{\prime} bosons, a light scalar that can induce neutrino self-interaction, and self-interacting and freeze-in DM candidates. New ways of searching such particles at experiments by making use of multivariate/machine-learning techniques have been developed. Such cutting-edge data analysis methods have also been used to study the jet substructure of boosted fat W -boson jets and non-standard interaction of the standard model (SM) Higgs boson with bottom quarks at the large hadron collider experiment in CERN. The group has carried out a detailed study analysing the effect of anomalous couplings on the spin-correlations and polarisation of a pair of particles involving the Standard Model heavy fermions and gauge bosons. Also, the impact of BSM physics on muon $g-2$ anomaly and lepton flavour violating observables has been analysed by the group.

QUANTUM INFORMATION AND COMPUTING

The quantum information and computation (QIC) group conducts fundamental and application motivated research in a wide range of topics that include physics, mathematics and computer science. A new faculty member has joined the group, expanding the area of expertise of the group, particularly towards upcoming quantum technologies. The group currently has 14 PhD students, 4 postdocs, and 4 faculty members. The group has received three grants from the QuEST project of the DST, Gol and a SERB (DST) ECR award.

Recently, the group's research has focussed in the following directions: theory of quantum entanglement and quantum correlations, quantum communications, quantum computation, quantum thermodynamics, quantum cryptography,

interface of quantum information with quantum many-body physics, etc. In particular, we have looked at the effect of noisy environments on the efficiency of the Shor factorization and the Grover search algorithms.

The group has put forward a proposal for a new a nonlinear measurement-device-independent entanglement witness. Apart from that, a small quantum refrigerator in which the working substance is made of a nearest neighbor spin-j quantum XYZ model has been explored.

STRING THEORY

The string theory group consists of 3 faculty members, 3 postdocs and 3 Ph.D. students. The group also hosts visiting undergraduate students on a regular basis.

String theory is a theoretical framework which can provide us with a unified theory of all the forces in nature. We highlight some of the directions that have been explored recently. Studies have been carried out in string field theory to develop non-perturbative aspects of the theory. Aspects of the low energy effective action of string theory have been explored by making use of modular graphs. Conformal field theories have been studied, novel properties in their structure have been unravelled. Quantum field theoretic amplitudes have been studied by making use of on shell methods. Various studies to connect string theory to cosmology have been made. In this context, some implications of an early universe in the hagedorn phase have been explored.

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LIBRARY

In an academic or research institute a library plays an important role in the dissemination of knowledge. In fact, the **ambience of the library** reflects the quality of the education/research imparted by the Institute. The Central Library plays a **vital role** in furthering the academic and research mission of HRI and facilitates creation and dissemination of knowledge. The range of services offered by the library are comparable to the best libraries in the country. HRI library has recognized the importance of the **academic vibrations** required in the library and has been growing in this direction, right from its very inception. HRI's library serves as a **knowledge hub** containing resources in print and electronic form.

Glimpse of the Library:

Collection Development and Management:

Building a collection of reading materials is one of the important functions of the library that supports academic and research work of the students, faculty, staff and other users. Our Library collection comprises of all types of materials related to the **Mathematics and Physics** and is considered one of the best in the country and is its greatest asset. The total collection of library as on 31st March 2022 stands as follows:

Resources	Details	
Total Collection: Books (Print)	62012	
No. of Books – Print	21831	
No. of Bound Volumes – Print	38292	
Gratis – Print	1889	
E-Books:	2270 (Lecture Notes in Mathematics and Archives – E-Books Database)	
Total Collection: Journals	144	
International Journals :Online	114	
DAE-Elsevier Consortium Journals :Online	13	
International Journals :Print	05	
National Journals :Print	12	
Subscribed E-Resources/Databases:		
MathSciNet	Database of Reviews, Abstracts and Bibliographic Information	American Mathematical Society (AMS)
Project Euclid Journals	(Bibliographic Database)	Duke University Press
JSTOR	31 Journals Package	Ithaka Publication
PROLA	102 Journals Package	
	Physical Review Journals Archive	American Physical Society

Life-time Databases/Archives:

DMJ 100 Archive	Duke Mathematics Journal Package Back volumes- Vol.1 (1935) to Vol.100 (1999)	Duke University Press
AIP Archive	8 Journals Package	American Institute of Physics
IoP Journals Archive	56 Journals Package	Institute of Physics
Springer Journal Archive	123 Journals Package	Springer

Library Hours:

The library works on all days of the year except holidays of National and Social importance.

Monday to Saturday	:8.00am to 2.00am (midnight)
Sundays & Gazetted holidays	:8.00am to 8.00pm

The Institute's library is one of the best equipped libraries in India, it aims to put the motto "**Books are for use**" into practice. The Library houses Text Books, Reference Books, Print Journals, Technical Magazines, General Magazines, E-Resources & Digital Collections, CDs & DVDs, Theses, Bound Volumes of Journals, Dailies, Faculty & Institute Publications etc.

Other Resources and Facilities:

Theses	125
CD's/DVD's	101
General Magazines	06
Newspapers	07
Seating Capacity	43
Carpet Area	550 Sq. Mts
Computers for Users/OPAC	4 No's
Library Management Software	Koha 19.11 Version with RFID Technology

Newly added materials during April 2021 to March 2022:

Books	135
Gratis-Books	31
E-books	13

Highlights:

Services / Facilities:	Best Practices:
	A “Best Practice” in simple terms is known as the practice, which paves the way for enhancing the existing functions & helps in effective implementation or use of the process.
Reader’s Assistance	Library Website/Web OPAC
Web Enabled Library Catalogue Services	Self-Issue/Return System
Circulation Services (Issue/Return)	RFID enabled Security Gate system
Reference	Off-Campus Services through E-mail: Scholarship and other fellowship information
Referral	Orientation for newly joined library members
Reprographic and Spiral Binding	Display of Faculty/PDF/Students Publications
New Arrivals service	Display of Institute Publications
Newspaper Clippings	Library Advisory Committee
Book Exhibition	Stock Verification
Theses Consultation Facilities	Book tracing service
Inter Library Loan	18 Hours uninterrupted Services

Library Advisory Committee:

Library Advisory Committee works towards continual improvement of the library activities, so that the library and its facilities achieve a fair degree of acceptability and appreciation amongst the users. This Committee, is chaired by a **Professor of the Institute as the Chairman** & other faculty representatives as members. Library Advisory Committee plays an advisory and advocacy role regarding the library in its support of teaching, learning, research and community-building needs of the Institute. It assists in the provision of high quality library service to the faculty and students of the HRI Community by advising the Director in all development activities of the library.

Members:

Prof. D. Surya Ramana	Convenor
Prof. Anirban Basu	Member
Prof. N. Raghavendra	Member
Dr. K.K. Suresh Kumar - Librarian	Member

LC recommendations:

The Library Advisory Committee Meeting held on 5th October 2021 and recommended to the renewal subscription of existing collections of journals, E-

books, databases and other resources for the year 2022. Along with the existing materials, 11 new journals from American Chemical Society (ACS) and 02 journals from Royal Society of Chemistry (RSC) are subscribed for library users.

Library Team

The day-to-day functions of the library at HRI is efficiently managed by a team headed by a Qualified Librarian with professional experience. He is supported by a SO "C" along with a team of well-trained library staff. The library staffs perform their duties exceptionally well, and are always appreciated by library users for their service mindedness, intelligence, enthusiasm and sincerity with which they serve them. In addition to their regular jobs, officers are involved in various committees and institute's other work.

The Library Staff with their names and designation:

Dr. K.K. Suresh Kumar	Librarian
Mrs. Anju Verma	SO "C"
Mr. Vivek Kumar	Junior Library Assistant
Mr. Kamta Prasad	Peon
Other contractual staff	05

Stock Verification:

Conducting the Stock verification every year is one the BEST PRACTICES of the HRI-Library. As per directions from the Administration, library has done stock verification of the library materials for the period 1st April 2021 to 31st Dec 2021 and we are happy to state that, "**there is no missing**" books or any other reading materials.

Library Management Software/Computerisation of in-house activities:

Library is automated and enabled with RFID Technology by using KOHA 19.11 version (Open Source Library Management Software). All in-house activities in the Library including Acquisition, Cataloguing, Circulation and Serials Control etc., are fully computerized using KOHA 19.11 version. The Online Public Access Catalogue (OPAC) of the Library is operational on Intranet. It can be accessed online to search more than 62012+ bibliographic records, available in the Library database.

RFID Technology:

The Library has recently implemented the **Radio Frequency Identification (RFID)** system. It is the best automated library automation system used worldwide and is an effective way of managing collections of the library and providing enhanced services to the users having benefits like: self check-out of books, self-check-in,

finding misplaced reading materials, sorting, inventory accuracy, stock verification procedures, security control, Smart Card issuance, etc. It is an automatic data capture technology that uses tiny microchips and miniature antennas affixed to documents. RFID plays a vital role in redefining the library processes to make everyone's job easier right from the USERS to LIBRARY STAFF MEMBERS.

ICT enabled services:

Rapid advances in Information and Communication Technology are drastically changing the way the library and information services work. Besides this, expectations of the users have also risen manifold. Libraries are not mere spaces anymore; they are much more than that. It has become a challenge for library management to keep pace with changing information packaging and delivery methods on one hand and meet the user expectations on the other.

HRI Library has been trying to meet the Library users expectations over the years and as per feedback from its patrons has been quite successful in this endeavor. HRI Library not only proactively works on its collection building and infrastructural augmentation, but also puts a lot of emphasis on facilities, services and BEST PRACTICES for users. Like previous years, this year also focus was on the strengthening of print collection along with e-resources and implementation of latest information and communication technologies in its services.

Smart card facilities:

The Institute's members Identity Card has a chip which also serves as a Library card through which users can borrow books through the KIOSK/ Self issue-return process. This smart card facility has been given to students, researchers, PDFs, faculty, staff members and other members like Visitors and retired employees of the Institute.

Major Initiatives:

The Central Library has taken various initiatives to improve the existing services, infrastructure, facilities, and procurement of bookshelves and reading chairs to increase the collections and user strength to provide strong and dynamic support to the academic, research programmes and policies of the institute. Some of these initiatives are described in the following sections.

- **Active participation:** Conducted Library Committee meetings, implemented policies and programs of the library, as adopted by the Library Committee, Registrar and the Director and whenever required provided the information and reports to the LC, Accounts Officer, Admin Officer, Registrar, and the Director and tried to building the library as a source for research activities.

- **Legal Agreement Procedure:** Introduced Legal Agreements (Stamp paper) process for the subscription of online and print journals, databases and e-book packages. Thereby cautioning Vendors/ Publishers to the consequences of misuse of the huge subscription amount.
- **Safe environment:** Regularly conducting discussions with Publishers and Vendors regarding invoices, currency conversion rates, price proof, discounts, Institute's subscription tier level and keep a safe environment for the library's spending budget.
- **Value Added Services:** Every year a marked budget of Rs. 2-3 Crores is spent for the library. Therefore to value the spends, made a continuous effort to facilitate the user community with value added services with the help of the library team.
- **Best Practices:** In consultation with the Library Committee, Registrar and Director implemented BEST PRACTICES in the Library and strived to make HRI-Library one of the best research libraries in the DAE community and try to bring library standard to the National/IIT/IISER library level.
- **Trail Access & other Services:** Analyzing user expectations and communicating with publishers and providing different types of resources' Trail access to the users and grabbing their attention on new sources. Also analysing user needs and demands and fulfilling them in time and communicating to users related to the indents, articles, feedback, overdue, services and responding to user's queries.
- **Infrastructure APEX Project (Library component):** Successfully handled library related SIRD project (revised) with the help of the LC and Registrar and achieved 96.21% financial progress and 83% Physical progress. Also provided library plan and estimated amount for 2021-2024's new Infrastructure APEX Project (Library component).
- **DAE-Elsevier Consortium-2021:** Handled DAE-Elsevier Consortium-2021 for the institute and attended several online meetings. In this discussion suggested consortium related, access related, perpetual access related, special discount related information to the Coordinator and member libraries of the Consortium. The Consortium members recognized HRI's effort on matters pertaining to Consortium-2021.

- **Intra-mail Services:** We have individual, group e-mail services, whenever we find new information useful to the particular community, details are sent through e-mail. Also studied different matters/ subjects to curate necessary information for benefit of the research community in the Lib 20. In this year, we have sent around 57 Informative e-mails to the Institute community related to Open Source resources, Scholarships, Library services, Newspaper clippings, about Scientists and their achievements, e-catalogues, different websites, Conferences/ Workshops, DST programs, and information on Bilateral exchange programs, interesting and noteworthy information on Science and other relevant news. Also made required changes in “library standards” and strove to upgrade library services to a faster and higher level of functioning.
- **Systematic re-shelving of books:** Experienced library staff members have been assigned to devote one to two hours daily in the morning in the stack areas to facilitate easy retrieval of books. This process is a continuous process throughout the year and it will give easy access to the books and other materials without any hurdles. This initiative has produced considerable satisfaction among users.
- **Reprographic and Spiral binding Facility:** Dedicated photocopier and spiral binding machines are made available in the library for the use of our students and faculty members. Access to this facility is available for students and faculty generally throughout the day.
- **Library Lounge/Collaboration learning space:** The library has created library lounge/ collaborative learning space in the entrance of the library near to the security check point. This space has been created to facilitate space to the users who wants to learn/ one-to-one discussions/ discuss together/in a group to solve problems, work on a project or have a meaningful discussion are allowed for limited time. Also newspapers are kept for users benefits. We provided comfortable furniture for the users. This area is quite popular for library users.

Theses Consultation Facilities:

HRI Library receives all the Ph.D. Thesis awarded by HBNI in Hard copy. Print copies of Theses are housed in Book Section of the library for consultation purpose only. The bibliographic information of Theses are made available through library Online Public Access Catalog (OPAC). Also through another interface especially designed for searching the Theses at: <http://www.hri.res.in/~libweb/theses/thesis.html>

Hindi Book Collection:

HRI Library has built up a good collection of books in Hindi Language and made different sections like Language, Literature, Biography, Poem, Fiction, Novels, Religion, Science literature, Children's literature, and General reading book. These books are prominently kept near the stack area in the library to promote its usage. To increase the use of **Rajbhasha Hindi**, HRI library regularly sending **NEW ARRIVALS LIST** to HRI library user community.

Inter Library Loan Services/Sharing of Resources:

The library is a part of DAE family/libraries so the HRI library can help in obtaining articles and other materials that HRI library does not subscribe to and get it from other libraries all over the India. Also the library maintains excellent relations with a number of major institutions and libraries in India for exchange of journal articles etc., for the mutual benefit of the users.

Donation of Books and other materials:

HRI-Library welcomes donations of books and other materials including print and electronic materials that support the current teaching and research needs of the Institute. We are taking donation of new books, good condition used books, other relevant materials (print), and e-books related to Mathematics and Physics subject. Users may donate other subject books like novels, short stories, dictionaries, biographies, science literature, rare books, children literature, Hindi and other language books etc. In fact, from long time we have this practice in library and presently we have variety of collections of about 1889 donated books in library with proper documentation.

During COVID-19 pandemic:

The Library has been actively engaged in designing and delivering need-based information services. During the COVID-19 pandemic, library continued to stay connected with the user community and support their academics by providing off-campus access to e-resources through 'Remote Access Portal'.

For campus users:

We have opened the library with limited staff members and hours and provided all type of support and services while in the entire pandemic period. Seamlessly provided the IP based access to all the users and in addition to the above supported users by providing services like photocopies, spiral binding, scanned copies of the small quantity of the pages/part of the textbooks etc.

Tracing of publications:

Since library users were not allowed inside the library during the COVID-19 pandemic lockdowns, users were informed by the library to send their book and other materials requests through e-mails. Books and other materials were then located by the library staff and issued to users' library accounts. The books were handed over to users following the SOP of COVID-19.

For outside users:

Due to sudden lock down and after the long interval, researchers who are studying/ doing their research from their home from different parts of India, we are extending our services through 'Remote Access services'. Also supported users by providing scanned copies of the small quantity of the printed books' chapters etc. Over Due procedure was withheld and allowed users to retain books as much as possible.

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COMPUTER CENTRE

The computer centre provides the support to a very large community which includes academic and research faculty, administrative staff, Post Doctoral Fellows, Ph.D. students, M.Sc. students and visiting scientists. The computing facilities are available to users round the clock i.e. 24x7x365 all over the campus. The entire HRI campus is connected with OFC based Gigabit backbone providing the network and Internet connectivity to each and every office, Engineering building, Library building, Hostels, Guest House, Pantry, Health Centre and residences. The network is connected to the Internet through two ISPs.

The Computer Centre runs in-house developed Mail server, Web server, directory server, firewall servers and other important servers running on most secured OpenBSD and Linux Operating Systems with hand written firewall rules and are placed inside the DMZ.

The core of the network is the Computer Centre, which houses various servers, and several desktop computers for general use. File and authentication services are exported from the Computer Centre to a large chunk of the network through NFS and LDAP. Apart from the NFS and LDAP clients, users have independent machines running different flavours of Linux operating System and MS Windows that are not clients of the central servers.

The common operating systems used at computer centre are Unix clones like GNU/Linux, and Unix-like operating systems such as OpenBSD and FreeBSD. Most software packages, proprietary and open source that are necessary for research in mathematics and physics, are available to users. The computer centre, time-to-time, upgrades the operating systems and its associated software packages to meet out the requirements and to enhance the security of the servers.

The computer centre maintains high end UPS systems for the servers, network of the institute and for the independent machines used by academic and administrative members of the institute to avoid any breakdowns in the computer systems due to the power supply problem.

The computer centre provides centralised printing facility to all the academic and administrative members of the institute.

The computer centre helped the accounts section in implementing the Public Financial Management System (PFMS). The computer centre helped the staff in

acquiring the Digital Certificates (DSC) to be used in PFMS and e-tendering on GeM portal and on NIC's Central Public Procurement Portal (CPPP).

The computer centre helped the various sections of the institute in implementing the e-tendering on GeM portal and on NIC's Central Public Procurement Portal (CPPP).

The last two years were very challenging due to the Covid-19 as most of the activities were done in online mode. The computer centre provided the support to all in organising the online conferences and online interviews of Ph.D. and M.Sc. students and provided support in organising all academic and administrative meetings in online mode.

The computer centre had set up a facility to access the IP based online subscribed journals and books by the Institute members from the home during the work from home period of Covid-19.

The computer centre undertook a cleanliness drive with a spate of activities as in accordance to the nation-wide Swachh Bharat Cleanliness Campaign launched by the Hon'ble Prime Minister. The whole drive was quite inspiring and motivating for the staff. The CC staff realized that any work is best done when it is carried out by a person himself. It also made the CC staff aware of the dignity of labour.

Our centre's vision is to power the future of computing by advancing the foundation of computing facilities in novel ways to address society's most important computer related challenges.

Our mission is holistic in its integration of multiple areas of computers and its associated services within the institute and the adoption of responsible computing as a guiding principle.

The Computer Centre continues to grow and is trying to keep updated with latest technological support by the CC Project staff under the leadership of Mr. Sanjai Verma, Section Head.

All this has become possible by the great support from the Director, Registrar and our dedicated team of computer committee, CC project staff and very cooperative non teaching staff and also well disciplined students.

We are proud of our achievements and excited by new opportunities as we aspire to be among the top computer centre. The computer centre endeavour to provide the right environment for students, staff and faculty to flourish.

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CONSTRUCTION ACTIVITY

The works related to construction of buildings is hampered in campus due to order of Allahabad High Court in reference of PIL related to Ganga Pollution. Therefore no building construction work was carried out during last Financial Year 2021-22. Except routine mainetance works (Civil/Electrical/Air-conditioning/Horticulture) with repainting works in some flats/houses, no new work has been carried out during this period.

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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 had advertised one post of Scientist 'E'/Fellow 'E' for person with disabilities but no body was found suitable.

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.

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VIGILANCE, SECURITY, DISCIPLINARY AND SEXUAL HARASSMENT REPORT

Vigilance & Security Report

There is nothing specific to report from vigilance/security point of view for the period up to 31st March, 2022. The Institute follows the instructions received time to time from DAE pertaining vigilance/security matters.

We are regularly submitting the following reports:

1. Monthly report on Anti Corruption and Vigilance Cases.
2. Monthly report on Pending Disciplinary Cases.
3. Quarterly report on Pending complaints PEs/RCs Registered by CBI.
4. Quarterly report on Action Plan on Anti Corruption and Vigilance Cases.
5. Half yearly report on Unscrupulous Contact men/Contact women.
6. Quarterly Performance Report.
7. Monthly report on prevention of Sexual Harassment of Woman at Work Place.
8. Monthly report on Pending Criminal Cases.

We have ensured the submission of Annual Property Returns (APRs) of all eligible employees up to 31.12.2021 and they have been scrutinized.

During the year there was no report of any security lapse in the campus.

Disciplinary

There is one Disciplinary Case (Penalty issue) is pending for decision making (by the Competent Authority) where one Faculty Member had slapped one of the Foreign P.D.F. working under her.

Sexual Harassment

In reference to DoPT, Gol OM no 11013/2/2014-Estt (A-III) dated Feb 02, 2015 & Section 22 of Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act 2013 [SHWW (PPR) Act]], there is no case of sexual harassment was reported during the year.

AUDIT REPORT 2021 - 22

Audited Balance Sheet

along with

Income & Expenditure Account

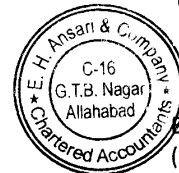
for the year ended on

31st March 2022


AUDITORS REPORT

1. We have audited the attached balance sheet of Harish Chandra Research Institute, Allahabad, as at 31st. March, 2022 and 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 standard generally accepted in India. These standard 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 the 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 given in Annexure A read with Significant accounting policies and notes on Accounts appearing in Schedule-24 annexed here to, we report that;
 - a. We have obtained all the information and explanations 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 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 maintained.
 - d. In our opinion and to the best of our information and according to the explanations given to us, the Said accounts give true and fair view;
 1. In case of balance sheet, of the state of affairs of the Institute as at 31st. March, 2022 and
 2. In case of Income and expenditure Account, of the excess of Expenditure over Income of the Institute for the year ended on 31st. March, 2022

29th. June, 2022
Allahabad, Prayagraj
UDIN: 22050869ALWVRD7013



For E.H. Ansari & Co
Chartered Accountants
FRN: 01697C


E.H. Ansari
(Proprietor) M.No.050869

Annexure "A" to the Auditor's Report

(Referred to in paragraph 3 of our Report of even date)

1 FIXED ASSETS;

An amount of Rs. 4,78,50,030/- shown as Capital WIP booked for construction of buildings funded from Plan Projects. Construction, has been stopped to comply the order of Hon'ble Allahabad High Court .

For other assets, the Institute has maintained Fixed Asset Register showing physical quantity, value & location of the Fixed Assets and they are in agreement with the books of account. No discrepancy was observed. Physical verification of all the assets were conducted during the year on 31st. December, 2021.

2. ACCOUNTS & RECOVERABLES:

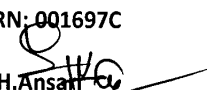
a. The following amount for realisation against completed projects are long pending and shown as claims recoverable. The Institute should take necessary steps for recovery and in case of irrecoverable balance sanction should be obtained to write off the amount:


NBHM Grant- K. Gangopadhyay	Since 2007	Rs. 9052.00
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b. Balance of EMD, Imprest Account, Security Deposits, Sundry Creditor, Loan & Advances and Claims Recoverable etc. are subject to confirmation, reconciliation and consequential adjustments thereof. Letters for third party confirmation have been sent by the Institute and their confirmation is still awaited.

c. Provision for accumulated Pension Liabilities/Gratuity/Leave Encashment on existing Active employees & Pensioners for Rs. 386673139 as per Actuarial valuation Report has been provided by the Institute. As explained, no separate fund is maintained for this purpose.

Date: 29th June, 2022
Allahabad.
UDIN: 22050869ALWVRD7013

For E.H. Ansari & Co
Chartered Accountants
FRN: 001697C

E.H. Ansari
Proprietor MN050869





HARISH CHANDRA RESEARCH INSTITUTE, PRAYAGRAJ
BALANCE SHEET AS AT 31st MARCH, 2022

		(Amount - Rs.)	
	Schedule	Current Year	Previous Year
CORPUS / CAPITAL FUND AND LIABILITIES			
CAPITAL FUND			
RESERVES AND SURPLUS	1	-8,19,03,253.03	-1,18,62,169.81
EARMARKED / ENDOWMENT FUNDS	2	12,92,412.71	3,13,43,370.71
SECURED LOANS AND BORROWINGS	3	11,57,05,743.74	11,54,90,282.46
UNSECURED LOANS AND BORROWINGS	4	0.00	0.00
DEFERRED CREDIT LIABILITIES	5	3,51,71,620.14	3,75,96,636.19
CURRENT LIABILITIES AND PROVISIONS	6	0.00	0.00
TOTAL	7	42,36,80,550.56	34,74,35,207.05
ASSETS			
FIXED ASSETS			
INVESTMENTS - FROM EARMARKED / ENDOWMENT FUNDS	8	14,14,06,200.00	15,23,99,763.00
INVESTMENTS - OTHERS	9	10,32,00,000.00	10,32,00,000.00
CURRENT ASSETS, LOANS, ADVANCES ETC.	10	12,72,09,423.00	10,90,58,325.00
MISCELLANEOUS EXPENDITURE	11	12,21,31,451.12	15,53,45,238.60
(to the extent not written off or adjusted)		0.00	0.00
TOTAL		49,39,47,074.12	52,00,03,326.60

As per our separate report of even date attached

For HARISH-CHANDRA RESEARCH INSTITUTE, PRAYAGRAJ

For E. H. Ansari & Co.

Chartered Accountants

Amit Roy
 (Amit Roy)

Consultant / Accounts Officer

Date: 29-06-2022
 Place: Prayagraj

UDIN: 22050869ALWURD7013

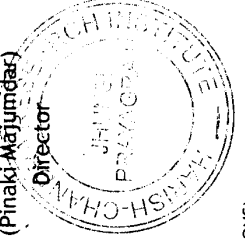
P. Ravindra Singh

(Ravindra Singh)
 Registrar

(Pinaki-Majumdar)
 Director



E. H. Ansari
 (E. H. Ansari)
 Proprietor



HARISH CHANDRA RESEARCH INSTITUTE, PRAYAGRAJ
INCOME AND EXPENDITURE ACCOUNT FOR THE PERIOD 01-04-21 TO 31-03-22



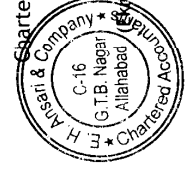
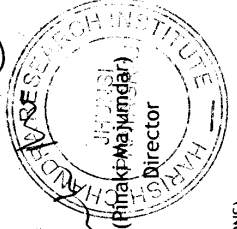
		(Amount - Rs.)	
	Schedule	Current Year	Previous Year
INCOME			
Income from Sales / Services	12	4,42,551.00	28,94,049.00
Grants / Subsidies	13	26,29,67,867.00	32,24,00,000.00
Fees / Subscriptions	14	0.00	0.00
Income from Investments (Income on Investment from earmarked / endowment)	15	0.00	0.00
Income from Royalty, Publication etc.	16	0.00	0.00
Interest Earned	17	77,61,904.00	69,05,854.00
Other Income	18	53,43,280.00	44,44,152.00
Increase / (Decrease) in stock of Finished goods and works-in-progress	19	0.00	0.00
TOTAL (A)		27,65,15,602.00	33,66,44,055.00
EXPENDITURE			
Establishment Expenses	20	16,93,08,383.26	18,37,74,954.74
Other Administrative Expenses etc.	21	11,06,77,930.39	12,16,06,598.61
Expenditure on Grants, Subsidies etc.	22	0.00	0.00
Interest	23	0.00	0.00
Depreciation (Net Total at the year - end - Corresponding to Schedule 8)		3,18,89,886.00	3,46,76,608.00
TOTAL (B)		31,18,76,199.65	34,00,58,161.35
Balance being excess of Income over Expenditure (A-B)		-3,53,60,597.65	-34,14,106.35
Transfer to Reserve / Provisions			
Provision for Retirement Benefits		-9,28,82,148.00	-7,03,76,352.00
Transfer from - Net of Revenue Grants c/f		1,70,18,446.65	-1,70,18,446.65
BALANCE BEING SURPLUS / (DEFICIT) CARRIED TO CORPUS / CAPITAL FUND		-11,12,24,299.00	-9,08,08,905.00
SIGNIFICANT ACCOUNTING POLICIES	24		

As per our separate report of even date attached

For HARISH-CHANDRA RESEARCH INSTITUTE, PRAYAGRAJ

For E.H. Ansari & Co.

Chartered Accountants



(Ravindra Singh)
Registrar

(Amit Roy)
Consultant / Accounts Officer

Date: 29.06.2022

Place: Prayagraj

UDIN: 22050869ALNVRD7013

HARISH CHANDRA RESEARCH INSTITUTE, PRAYAGRAJ
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31st MARCH, 2022

	(Amount - Rs.)	
	Current Year	Previous Year
SCHEDULE 1 - CORPUS / CAPITAL FUND:		
Corpus / Capital Fund	0.00	0.00
Excess of Income over Expenditure	-8,19,03,253.03	-1,18,62,169.81
Opening Balance	-1,18,62,169.81	4,31,68,313.54
Current Period	-11,12,24,299.00	-9,08,08,905.00
Less: Transferred		
Capitalization of assets from Grants	2,09,22,568.00	2,03,24,255.00
Receipts & Additions to Fund	2,04,47,908.88	1,54,94,728.65
Expenses / Adjustments of earlier years	-1,87,261.10	-40,562.00
BALANCE AS AT THE YEAR - END	-8,19,03,253.03	-1,18,62,169.81
SCHEDULE 2 - RESERVES AND SURPLUS:		
1. Capital Reserve:		
As per last Account	0.00	0.00
Addition during the year		
Less: Deductions during the year		
2. Revaluation Reserve:		
As per last Account	0.00	0.00
Addition during the year		
Less: Deductions during the year		
3. Special Reserve:		
As per last Account	12,92,412.71	3,13,43,370.71
Addition during the year (Interest earned on DAE grant - Refundable)	3,13,43,370.71	24,85,839.00
Addition during the year (Interest earned on DST grant - Refundable)	8,50,539.00	15,08,616.00
Addition during the year (Surplus Grant Refundable to DAE)	4,06,357.00	1,97,389.00
Addition during the year (Surplus Grant Refundable to DST)	0.00	2,77,57,746.71
Less: Deductions during the year	1,55,157.00	0.00
Deductions during the year (Surplus Grant Refundable to DAE)	-2,96,37,366.00	0.00
Deductions during the year (Interest earned on DST grant - Refundable)	-3,17,029.00	0.00
Deductions during the year (Interest earned on DAE grant - Refundable)	-15,08,616.00	-6,06,220.00
4. General Reserve:		
As per last Account	12,92,412.71	3,13,43,370.71
Addition during the year		
Less: Deductions during the year		
TOTAL	12,92,412.71	3,13,43,370.71

**Annexure-A forming part of Schedule 1 of Balance Sheet as at 31st March 2022
New Plan Grant Receipt**

Plan Projects	As on 31-03-21	Year 21-22	As on 31-03-22
Grant - Infrastructure Apex Project & Research Apex Project	0.00	44,71,212.00	44,71,212.00
Total	0.00	44,71,212.00	44,71,212.00

**Annexure-B forming part of Schedule 1 of Balance Sheet as at 31st March 2022
New Plan Grant Utilization**

Plan Projects	As on 31-03-21	Year 21-22	As on 31-03-22
Infrastructure Apex Project	0.00	42,77,480.00	42,77,480.00
Research Apex Project	0.00	1,93,732.00	1,93,732.00
Total	0.00	44,71,212.00	44,71,212.00

New Plan Grant (Receipt - Utilization) (Annexure A - Annexure B)	0.00		0.00
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HARISH CHANDRA RESEARCH INSTITUTE, PRAYAGRAJ
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH, 2022

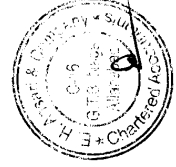
	FUND - WISE BREAK UP					TOTALS	
	1	2	3	4	5	Current Year	Previous Year
<u>SCHEDULE 3 - EARMARKED / ENDOWMENT FUNDS</u>	Harish-Chandra Memorial Award	Infosys Chair Professorship Fund	Infosys Foundation Fund	Late Sarbani Banerjee Memorial Award	Sutapa Sen Memorial Award		
a) <u>Opening balance of the funds</u>	11,31,598.00	5,84,09,876.74	5,30,06,056.00	13,34,482.00	16,08,269.72	11,54,90,282.46	11,30,77,790.46
b) <u>Additions to the Funds:</u>	49,355.00	24,59,850.00	24,40,461.00	36,750.00	59,600.00	50,46,016.00	59,35,360.00
i. Donations / grants	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ii. Income from Investments made on account of funds	49,355.00	24,59,850.00	24,40,461.00	36,750.00	59,600.00	50,46,016.00	59,35,360.00
iii. Other additions (TDS refund)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL (a + b)	11,80,953.00	6,08,69,726.74	5,54,46,517.00	13,71,232.00	16,67,869.72	12,05,36,298.46	11,90,13,150.46
c) <u>Utilisation / Expenditure towards objectives of funds</u>	1,57,849.00	20,94,308.00	17,85,000.00	3,57,953.00	4,35,444.72	48,30,554.72	35,22,868.00
i. <u>Capital Expenditure</u>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fixed Assets	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Others	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ii. <u>Revenue Expenditure</u>	50,000.00	20,94,308.00	17,85,000.00	0.00	0.00	39,29,308.00	35,22,868.00
Awards and Fellowships etc.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rent	1,07,849.00	0.00	0.00	3,57,953.00	4,35,444.72	9,01,246.72	0.00
Other Administrative expenses	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TDS deducted on Deposits by Banks	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	1,57,849.00	20,94,308.00	17,85,000.00	3,57,953.00	4,35,444.72	48,30,554.72	35,22,868.00
TOTAL (c)	1,57,849.00	20,94,308.00	17,85,000.00	3,57,953.00	4,35,444.72	48,30,554.72	35,22,868.00
NET BALANCE AS AT THE YEAR-END (a + b - c)	10,23,104.00	5,87,75,418.74	5,36,61,517.00	10,13,279.00	12,32,425.00	11,57,05,743.74	11,54,90,282.46



FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)

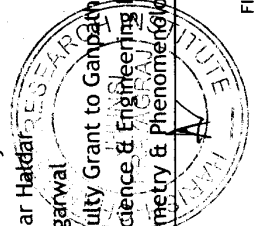
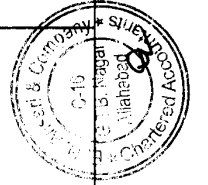
HARISH CHANDRA RESEARCH INSTITUTE, PRAYAGRAJ
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH, 2022

	(Amount - Rs.)	
	Current Year	Previous Year
SCHEDULE 4 - SECURED LOANS AND BORROWINGS:		
1. Central Government	0.00	0.00
2. State Government (Specify)	0.00	0.00
3. Financial Institutions	0.00	0.00
a) Term Loans		
b) Interest accrued and due		
4. Banks:	0.00	0.00
a) Term Loans		
▶ Interest accrued and due		
b) Other Loans (specify)		
▶ Interest accrued and due		
5. Other Institutions and Agencies	0.00	0.00
6. Debentures and Bonds	0.00	0.00
7. Others (Specify)	0.00	0.00
TOTAL	0.00	0.00



HARISH CHANDRA RESEARCH INSTITUTE, PRAYAGRAJ
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH, 2022

SCHEDULE 5 - UNSECURED LOANS AND BORROWINGS:		(Amount - Rs.)	
	Current Year	Previous Year	
1. Central Government	0.00	0.00	
2. State Government (Specify)	0.00	0.00	
3. Financial Institutions	0.00	0.00	
4. Banks:			
a) Term Loans	0.00	0.00	
b) Other Loans (specify)	0.00	0.00	
5. Other Institutions and Agencies			
DST Projects	10,83,317.50	12,96,323.50	
DST / QuEST Projects			
QuEST Project - Prof. Aditi Sen De	48,85,584.00	61,46,685.00	
QuEST Project - Prof. AK Pati	32,45,085.00	61,45,036.00	
QuEST Project - Prof. Ujjwal Sen	60,93,618.80	68,58,990.95	
NBHM Projects	8,98,820.00	10,10,009.00	
Infosys Foundation Grants	67,02,592.08	65,78,478.08	
Inspire Faculty Award			
Inspire Faculty - Muna Naik	10,82,351.00	0.00	
Inspire Faculty - Pradeep Kumar Rai	0.00	6,31,877.00	
JC Bose Fellowship to Prof. Ashoke Sen	12,12,056.08	14,97,156.08	
JC Bose Fellowship to Prof. AK Pati	11,17,870.68	15,65,037.68	
National Supercomputing Mission - Sudip Chakraborty	10,83,167.00	35,14,000.00	
Science & Engineering Research Board (SERB)			
SERB- Debraj Rakshit	14,73,572.00	0.00	
SERB- Manoj Kumar	2,20,630.00	0.00	
SERB- Sudip Chakraborty	41,83,280.00	0.00	
SERB- Sudip Kumar Hatdar	3,36,641.00	0.00	
SERB- Praveen Agarwal	1,56,920.00	1,56,920.00	
SERB- VAJRA Faculty Grant to Ganpaty Murthy	0.00	-1,627.10	
SERB- Fund for Science & Engineering Research - Prof. R Thangadurai	1,37,042.00	94,508.00	
SERB- String Geometry & Phenomenology - Prof. Anshuman Maharana	63,575.00	77,430.00	

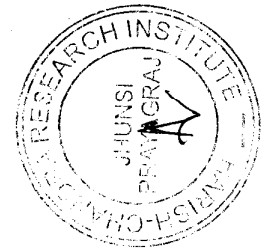
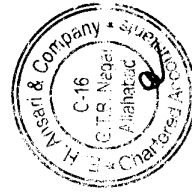


FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)

(Amount - Rs.)

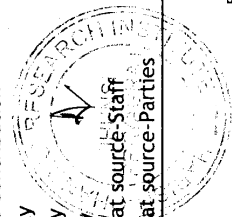
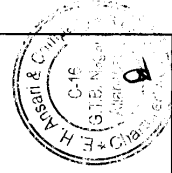
	Current Year	Previous Year
SCHEDULE 5 - UNSECURED LOANS AND BORROWINGS: (Contd...)		
Swarna Jayanti Fellowships	2,50,277.00	2,50,277.00
IFCPAR Research Project (TP Pareek)	3,55,482.00	3,55,482.00
Science Education Program-Indian National Science Academy	24,850.00	24,850.00
TPSC Fund	38,643.00	38,643.00
CSIR	4,92,097.00	4,62,097.00
Funds for Technical & Secretarial Support Services	34,149.00	8,94,463.00
6. Debentures and Bonds	0.00	0.00
7. Fixed Deposits	0.00	0.00
8. Others (Specify)	0.00	0.00
TOTAL	3,51,71,620.14	3,75,96,636.19

	Current Year	Previous Year
SCHEDULE 6 - DEFERRED CREDIT LIABILITIES:		
a) Acceptances secured by hypothecation of capital equipment and other assets	0.00	0.00
b) Others - Deferred Liabilities - Actuarial valuation on Pension Liabilities for existing members	0.00	0.00
TOTAL	0.00	0.00

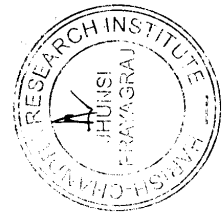
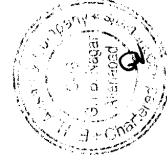


HARISH CHANDRA RESEARCH INSTITUTE, PRAYAGRAJ
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH, 2022

	(Amount - Rs.)	
	Current Year	Previous Year
SCHEDULE 7 - CURRENT LIABILITIES AND PROVISIONS		
A. CURRENT LIABILITIES		
1. Acceptances	0.00	0.00
Undisbursed Pay & Allowance (7CPC Arrear)		0.00
Undisbursed Pay & Allowance (7CPC 30% Arrear)		0.00
2. Sundry Creditors:		
a) For Goods		0.00
b) Others	3,19,14,101.16	3,14,69,399.00
Staff Accounts	27,39,627.20	82,19,937.20
Parties Accounts	26,40,285.09	14,22,188.85
Bills Payable	1,14,56,139.97	60,30,156.05
Admission Fees (Refundable)	1,10,000.00	1,35,000.00
Earnest Money Deposits	13,54,458.00	22,11,059.00
Security Deposits	30,37,991.00	31,77,749.00
Unclaimed bills, Sec & Earnest money & Others	1,05,75,599.90	1,02,73,308.90
3. Advances Received		0.00
4. Interest accrued but not due on:		0.00
a) Secured Loans / borrowings	0.00	0.00
b) Unsecured Loans / borrowings	0.00	0.00
5. Statutory Liabilities:		
a) Overdue		0.00
b) Others	35,28,704.40	26,03,728.40
Group Insurance Contribution	34,128.00	79,490.00
HRI-PF Control A/c	17,77,559.40	21,98,691.40
NPS-Control A/c	13,96,625.00	29,690.00
NPS-Employees Contribution	39,477.00	34,288.00
CGST-TDS Party	50,069.00	44,914.00
SGST-TDS Party	50,069.00	44,914.00
IGST-TDS Party	18,137.00	19,319.00
TDS deducted at source-Staff	24,500.00	90,000.00
TDS deducted at source-Parties	1,38,140.00	62,422.00

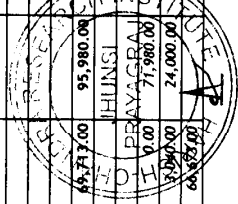
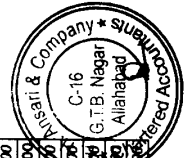


	(Amount - Rs.)	
	Current Year	Previous Year
SCHEDULE 7 - CURRENT LIABILITIES AND PROVISIONS (Contd...)		
6. Other current Liabilities	15,32,106.00	15,18,142.00
B Ramakrishnan (LSPS Contribution)	5,50,968.00	5,50,968.00
Kalyan Chakraborty (LSPS Contribution)	9,75,273.00	3,11,113.00
Rajesh Gopakumar (LSPS Contribution)	0.00	5,71,228.00
Rukmini Dey (LSPS Contribution)	5,865.00	84,833.00
7. Unutilized DAE Grants Recurring (Non-Plan)	0.00	1,70,18,446.65
Grant-in-aid released during the year	26,29,67,867.00	32,24,00,000.00
Add: Unutilized balance of Grants as on 01st April	1,70,18,446.65	0.00
Less: Amount Utilized for Establishment Expenses	-16,93,08,383.26	-18,37,74,954.74
Less: Amount Utilized for Administrative Expenses	-11,06,77,930.39	-12,16,06,598.61
Add: Funds Taken from General Fund	0.00	0.00
TOTAL (A)	3,69,74,911.56	5,26,09,716.05
B. PROVISIONS		
1. For Taxation	0.00	0.00
2. Gratuity	4,75,62,597.00	4,45,88,310.00
3. Accumulated Leave Encashment	5,47,86,122.00	5,20,07,973.00
4. Superannuation / Pension	28,43,24,420.00	19,71,94,708.00
5. Trade Warranties / Claims	0.00	0.00
6. Others (Specify)	32,500.00	10,34,500.00
Audit Fee Payable		
Provision Payable		
TOTAL (B)	38,67,05,639.00	29,48,25,491.00
TOTAL (A + B)	42,36,80,550.56	34,74,35,207.05



HARISH CHANDRA RESEARCH INSTITUTE, PRAYAGRAJ
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31st MARCH, 2022

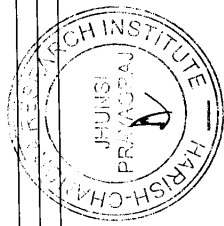
DESCRIPTION	GROSS BLOCK				DEPRECIATION & DEPRECIATION RESERVE				NET BLOCK		
	Cost / valuation As at beginning of the year	Additions during the year	Deductions during the year	Cost / valuation at the year-end	As at the beginning of the year	Depreciation Charged on value (Total Gross Block-Total Cumulative Dep. Reserve upto last year)	Depreciation for the year	Depreciation Reserve reversed on sale of assets	Total Depreciation Reserve up to the Year-end	As at the Current year-end	As at the Previous year-end
A. FIXED ASSETS:											
1. LAND											
a) Freehold	1.00		0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
b) Leasehold						0.00				1.00	1.00
2. BUILDINGS											
a) On Freehold Land	15,81,93,375.00	0.00	0.00	15,81,93,375.00	13,59,91,506.00	2,22,01,869.00	22,20,187.00	0.00	13,82,11,692.00	1,99,81,684.00	2,22,01,871.00
b) On Leasehold Land	15,81,93,375.00			15,81,93,375.00	13,59,91,505.00	2,22,01,869.00	22,20,187.00		13,82,11,692.00	1,99,81,684.00	2,22,01,871.00
c) Ownership Flats/Premises not belonging to the entity					0.00				0.00		
3. PLANT MACHINERY & EQUIPMENT											
AC & Stabilizers	5,48,84,965.00	0.00	0.00	5,48,84,965.00	3,64,08,208.00	1,84,76,757.00	27,71,514.00	0.00	3,91,79,722.00	1,57,05,243.00	1,84,76,757.00
Elevator	3,33,64,536.00			3,33,64,536.00	2,04,89,194.00	1,28,75,342.00	19,31,301.00		2,24,20,495.00	1,09,44,041.00	1,28,75,342.00
Fire Alarm System	28,40,000.00			28,40,000.00	19,38,254.00	9,01,746.00	1,35,262.00		20,73,516.00	7,66,484.00	9,01,746.00
Fire Extinguishers	9,37,779.00			9,37,779.00	7,59,989.00	1,77,790.00	26,669.00		7,86,658.00	1,51,121.00	1,77,790.00
Generator Sets	4,88,708.00			4,88,708.00	4,27,417.00	61,291.00	9,194.00		4,36,611.00	52,097.00	61,291.00
Telescope	1,00,20,602.00			1,00,20,602.00	88,04,187.00	12,16,415.00	1,82,462.00		89,86,649.00	10,33,953.00	12,16,415.00
Scientific Equipments	27,31,044.00			27,31,044.00	26,39,034.00	92,010.00	13,802.00		26,52,836.00	78,208.00	92,010.00
VEHICLES	45,02,296.00			45,02,296.00	13,50,133.00	31,52,163.00	4,72,824.00		18,22,957.00	26,79,339.00	31,52,163.00
Car-Maruti	7,94,776.00	0.00	0.00	7,94,776.00	3,91,769.00	4,03,007.00	60,452.00	0.00	4,52,222.00	3,42,554.00	4,03,006.00
Bicycles & Rickshaw Trolley	44,498.00			44,498.00	33,141.00	11,357.00	1,704.00		34,845.00	9,653.00	11,357.00
Car-Dzire	7,50,278.00			7,50,278.00	3,58,628.00	3,91,650.00	58,748.00		4,17,376.00	3,32,902.00	3,91,650.00
5. FURNITURE, FIXTURES											
Furniture & Fixture-Office	2,66,68,260.00	1,94,232.00	0.00	2,68,62,492.00	2,00,29,496.00	68,32,996.00	6,83,300.00	0.00	2,07,12,796.00	61,49,696.00	66,38,764.00
Furniture & Fixture-Guest House	2,52,11,941.00	1,37,352.00		2,53,49,293.00	1,91,57,118.00	61,92,175.00	6,19,218.00		1,97,76,336.00	55,72,957.00	60,54,823.00
6. OFFICE EQUIPMENT											
Electronic Typewriter	1,06,88,651.00	0.00	0.00	1,06,88,651.00	76,73,328.00	30,15,323.00	4,52,298.00	0.00	81,25,626.00	25,63,025.00	30,15,323.00
Fax Machine	1,74,422.00			1,74,422.00	1,54,803.00	19,619.00	2,943.00		1,57,746.00	16,676.00	19,619.00
Projector	8,120.00			8,120.00	7,138.00	982.00	147.00		7,285.00	835.00	982.00
Xerox Machine	25,35,116.00			25,35,116.00	20,37,364.00	4,97,752.00	74,663.00		21,12,027.00	4,23,089.00	4,97,752.00
Telephone Equipments & Appr.	30,02,228.00			30,02,228.00	23,81,420.00	6,20,808.00	93,121.00		24,74,541.00	5,27,687.00	6,20,808.00
7. COMPUTER / PERIPHERALS											
Cluster Computer - Xth Plan	49,68,765.00			49,68,765.00	30,92,603.00	18,76,162.00	2,81,424.00		33,74,027.00	15,94,738.00	18,76,162.00
Cluster Computer - Xth Plan	35,92,33,876.00	95,980.00		36,88,318.876.00	33,77,34,414.00	2,14,73,195.00	85,89,278.00	69,735.00	34,62,53,957.00	1,29,53,652.00	2,14,99,462.00
Cluster Computer - Xth Plan	2,15,73,474.00			2,15,73,474.00	2,15,72,150.00	1,324.00	530.00		2,15,72,680.00	794.00	1,324.00
Computers & Peripherals	3,93,01,485.00			3,93,01,485.00	3,82,50,950.00	10,50,335.00	4,20,214.00		3,86,71,164.00	6,30,321.00	10,50,335.00
UPS & Batteries	25,45,85,389.00			25,45,85,389.00	23,63,67,953.00	1,81,45,456.00	72,58,182.00	46,067.00	24,35,80,068.00	1,09,33,341.00	1,82,17,434.00
Software	2,24,56,572.00	24,000.00		2,24,56,572.00	2,11,02,641.00	13,32,971.00	5,33,188.00	23,668.00	2,16,12,161.00	8,23,451.00	13,53,931.00
	2,13,16,956.00			2,13,83,629.00	2,04,40,720.00	9,42,909.00	3,77,164.00		2,08,17,884.00	5,65,745.00	8,76,236.00



DESCRIPTION	GROSS BLOCK					DEPRECIATION & Depreciation Reserve					NET BLOCK	
	Cost / valuation As at beginning of the year	Additions during the year	Deductions during the year	Cost / valuation at the year-end	As at the beginning of the year	Depreciation Charged on value (Total Gross Block-Total Cumulative Dep. Reserve upto last year)	Depreciation for the year	Depreciation Reserve-reversed on sale of assets	Total Depreciation Reserve up to the Year-end	As at the Current year-end	As at the Previous year-end	
8. ELECTRIC INSTALLATIONS	3,61,90,532.00	32,084.00	0.00	3,62,22,616.00	2,48,33,161.00	1,13,89,455.00	12,13,006.00	0.00	2,60,46,167.00	1,01,76,449.00	1,13,57,371.00	
Electrical Fittings	3,46,72,724.00	32,084.00		3,47,04,808.00	2,35,62,223.00	1,11,42,585.00	11,14,259.00	0.00	2,46,76,482.00	1,00,28,226.00	1,11,10,701.00	
Solar Lights	5,33,349.00			5,33,349.00	5,33,346.00	3.00	0.00		5,31,346.00	3.00	3.00	
Geyzers	9,84,459.00			9,84,459.00	7,37,592.00	2,46,867.00	98,747.00		8,36,339.00	1,48,120.00	2,46,867.00	
9. LIBRARY BOOKS	30,11,93,088.00	2,03,44,534.00	0.00	32,15,37,622.00	28,29,57,261.00	3,85,80,361.00	1,54,32,144.00	0.00	29,83,89,405.00	2,31,48,217.00	1,82,35,827.00	
Back Vol. Of Journal Books & Journal	16,47,64,682.00	1,97,48,315.00		18,45,12,977.00	14,92,56,069.00	3,52,56,908.00	1,41,02,763.00		16,33,58,832.00	2,11,54,145.00	1,55,08,593.00	
Books & Journal	13,64,28,426.00	5,96,219.00		13,70,24,645.00	13,37,01,192.00	33,23,453.00	13,29,381.00		13,50,30,573.00	19,94,072.00	27,27,234.00	
10. TUBEWELLS & W SUPPLY	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
11. OTHER FIXED ASSETS	1,28,63,132.00	2,82,005.00	0.00	1,31,45,137.00	1,01,41,780.00	30,03,357.00	4,67,707.00	0.00	1,06,09,487.00	25,35,650.00	27,21,352.00	
Coolers	12,54,686.00	2,19,446.00		14,74,132.00	10,34,465.00	4,39,667.00	65,950.00		11,00,415.00	3,73,717.00	2,20,221.00	
Kitchen Equipments	16,20,815.00	40,009.00		16,60,824.00	13,36,694.00	3,24,130.00	48,620.00		13,85,314.00	2,75,510.00	2,84,121.00	
Refrigerators	10,36,208.00			10,36,208.00	9,67,399.00	68,809.00	27,524.00		9,94,923.00	41,285.00	68,809.00	
Television	6,03,719.00			6,03,719.00	4,47,089.00	1,56,630.00	23,495.00		4,70,584.00	1,33,135.00	1,56,630.00	
Room Heaters	2,43,844.00			2,43,844.00	2,03,645.00	40,199.00	6,030.00		2,09,675.00	34,169.00	40,199.00	
Washing Machine	4,49,475.00			4,49,475.00	3,24,267.00	1,25,208.00	18,781.00		3,43,048.00	1,06,427.00	1,25,208.00	
Water Filter & Aqua guards	10,17,758.00	4,550.00		10,22,308.00	7,38,229.00	2,84,079.00	42,612.00		7,80,841.00	2,41,467.00	2,79,529.00	
Bar Coding & Security Equip.	12,73,870.00			12,73,870.00	12,34,454.00	39,416.00	5,912.00		12,40,366.00	33,504.00	39,416.00	
Audio/Video Equipments	27,25,231.00			27,25,231.00	18,35,451.00	8,89,780.00	1,33,467.00		19,68,918.00	7,56,313.00	8,89,780.00	
Tulla Pump	3,29,435.00			3,29,435.00	2,14,814.00	1,14,621.00	17,193.00		2,32,007.00	97,428.00	1,14,621.00	
Gym Equipments	4,32,360.00			4,32,360.00	2,23,142.00	2,09,218.00	31,383.00		2,54,525.00	1,77,835.00	2,09,218.00	
Health Center Equipment	3,91,049.00	18,000.00		4,09,049.00	2,94,091.00	1,14,958.00	17,244.00		3,11,335.00	97,714.00	96,958.00	
Misc. Equipments	14,84,682.00			14,84,682.00	12,88,040.00	1,96,642.00	29,496.00		13,17,536.00	1,67,146.00	1,96,642.00	
TOTAL A	96,07,10,656.00	2,09,22,568.00	95,980.00	98,15,37,244.00	85,61,60,923.00	12,53,76,320.00	3,18,89,886.00	69,735.00	88,79,81,074.00	9,35,56,170.00	10,45,49,733.00	
PREVIOUS YEAR (As per Previous Year Balance Sheet)	94,05,43,901.00	2,03,24,255.00	1,57,500.00	96,07,10,656.00	82,16,26,252.00	13,90,84,403.00	3,46,76,608.00	1,41,937.00	85,61,60,923.00	10,45,49,733.00	11,89,17,649.00	

B. CAPITAL WORK-IN-PROGRESS:		85,45,811.81
Admin Building under Construction		37,01,880.31
Community Centre Annex under Construction		87,80,508.98
Engineering Section Building under Construction		2,68,21,828.90
Hostel Building under Construction		4,78,50,030.00
TOTAL B		14,14,06,200.00
TOTAL A+B		11,89,17,649.00

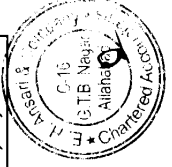
Honble High Court of Allahabad. UP Stay on constructions near Ganga river. Construction is held up.



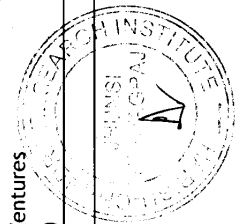
HARISH CHANDRA RESEARCH INSTITUTE, PRAYAGRAJ
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31st MARCH, 2022

	(Amount - Rs.)	
	Current Year	Previous Year
<u>SCHEDULE 9 - INVESTMENTS FROM EARMARKED / ENDOWMENT FUNDS</u>		
1. In Government Securities		
FDR with BoB (Harish Chandra Memorial Award)	10,00,000.00	10,00,000.00
FDR with BoB (Infosys Chair Professorship)	5,00,00,000.00	5,00,00,000.00
FDR with BoB (Infosys Foundation Fund)	5,00,00,000.00	5,00,00,000.00
FDR with BoB (Late Sarbani Banerjee Memorial Award)	10,00,000.00	10,00,000.00
FDR with BoB (Sutapa Sen Memorial Award)	12,00,000.00	12,00,000.00
2. Other approved Securities	0.00	0.00
3. Shares	0.00	0.00
4. Debentures and Bonds	0.00	0.00
5. Subsidiaries and Joint Ventures	0.00	0.00
6. Others (to be specified)	0.00	0.00
TOTAL	10,32,00,000.00	10,32,00,000.00

	(Amount - Rs.)	
	Current Year	Previous Year
<u>SCHEDULE 10 - INVESTMENT - OTHERS</u>		
1. In Government Securities		
FDR with SBI (Mehta Group)	0.00	0.00
Short Term Deposits with BoB	34,22,630.00	31,74,286.00
2. Other approved Securities	12,37,86,793.00	10,58,84,039.00
3. Shares	0.00	0.00
4. Debentures and Bonds	0.00	0.00
5. Subsidiaries and Joint Ventures	0.00	0.00
6. Others (to be specified)	0.00	0.00
TOTAL	12,72,09,423.00	10,90,58,325.00

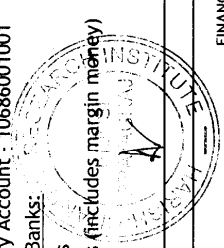


FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)



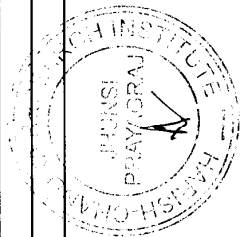
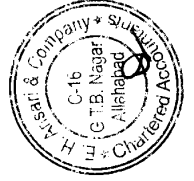
HARISH CHANDRA RESEARCH INSTITUTE, PRAYAGRAJ
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31st MARCH, 2022

		(Amount - Rs.)	
		Current Year	Previous Year
SCHEDULE 11 - CURRENT ASSETS, LOANS, ADVANCES ETC.			
A. CURRENT ASSETS:			
1. <u>Inventories:</u>			
a) Stores and Spares		0.00	0.00
b) Loose Tools		0.00	0.00
c) Stock-in-trade		0.00	0.00
Finished Goods		0.00	0.00
Work-in-progress		0.00	0.00
Raw Materials		0.00	0.00
2. <u>Sundry Debtors:</u>			
a) Debts Outstanding for a period exceeding six months		0.00	0.00
3. <u>Cash balances in hand</u> (including cheques / drafts and imprest)		0.00	0.00
Cash in hand		0.00	0.00
4. <u>Bank Balances:</u>			
a) <u>With Scheduled Banks:</u>			12,82,97,361.93
On Current Accounts		1,25,811.51	4,63,256.73
State Bank of India Current A/c		0.00	0.00
On Deposit Accounts (includes margin money)			
On Savings Accounts			
Bank of Baroda - 30070100006893 (A/c 101)		1,21,12,241.64	1,50,76,005.64
Bank of Baroda - 30070100006902 (A/c 102)		3,25,250.36	3,46,20,392.36
Bank of Baroda - 30070100011078 (A/c 108)		3,49,22,640.90	5,08,73,477.90
Bank of Baroda - 30070100011079 (A/c 109)		32,57,025.65	38,44,059.65
HRI Endowments Account - 300701000015151		2,41,34,584.15	2,32,39,367.15
NPS-Bank Account - 30070100012526		15,38,838.50	1,80,802.50
RBI Treasury Account - 10686001001		0.00	0.00
b) <u>With non-Scheduled Banks:</u>			
On Current Accounts		0.00	0.00
On Deposit Accounts (includes margin money)			
On Savings Accounts			
5. <u>Post Office-Savings Accounts</u>		7,64,16,392.71	0.00
TOTAL (A)		7,64,16,392.71	12,82,97,361.93



SCHEDULE 11 - CURRENT ASSETS, LOANS, ADVANCES ETC. (Contd...) B. <u>LOANS, ADVANCES AND OTHER ASSETS</u>	Current Year		Previous Year	
1. <u>Loans:</u>				
a) Staff		0.00		0.00
b) Other Entities engaged in activities / objectives similar to that of the Entity		0.00		0.00
c) Other (specify)		0.00		0.00
2. <u>Advances and other amounts recoverable in cash or in kind or for value to be received:</u>				
a) On Capital Account		0.00		0.00
b) Prepayments				
Advances for Journals		1,38,94,056.74		1,48,640.00
c) Others				
Travel Advance		44,793.00		57,509.00
LTC Advance		37,758.00		0.00
KK Suresh Kumar	30,758.00		0.00	
Vijay Srivastava	7,000.00		0.00	
Festival Advance - UTSAV Card		0.00		30,000.00
d) Tax Deducted at Source (Bank Interest)				
On Endowment Funds		9,67,764.00		4,60,712.00
Harish Chandra Memorial Award	8,768.00		4,086.00	
Infosys Chair Professorship	4,67,229.00		2,20,991.00	
Infosys Foundation Fund	4,69,792.00		2,25,745.00	
Late Sarbani Banerjee Memorial Award	10,491.00		4,366.00	
Sutapa Sen Memorial Award	11,484.00		5,524.00	
On Infosys Grant - Infosys Grant PDF/Student		16,511.00		7,273.00
Others - On Fixed Deposits (HRI)		8,94,784.00		3,57,757.00
e) Deposits (Asset)		58,25,391.67		54,69,988.67
Fixed Deposits-Securities (in Hand)				
Security With Balmer Lawrie & Co Ltd	21,99,640.00		25,56,037.00	
Security With Gas Service	25,000.00		25,000.00	
Security With Indian Oil Adani Gas Pvt Ltd	39,900.00		39,900.00	
Security With Telephone Deptt.	7,11,800.00		0.00	
Security With UPSEB	2,64,580.67		2,64,580.67	
f) Postage in Hand (Frinking Machine)	25,84,471.00		25,84,471.00	
		0.00		0.00

SCHEDULE 11 - CURRENT ASSETS, LOANS, ADVANCES ETC. (Contd...) B. LOANS, ADVANCES AND OTHER ASSETS (Contd...)	Current Year		Previous Year	
3. <u>Income Accrued:</u>				
a) On Investments from Earmarked / Endowment Funds		0.00		0.00
b) On Investments - Others		2,36,98,226.00		1,86,31,486.00
Interest Accrued on Investments	8,38,425.00		10,86,769.00	
Interest Accrued on Short Term Dep. with Banks	2,28,59,801.00		1,75,44,717.00	
c) On Loans and Advances		0.00		0.00
d) Others (includes income due but unrealised)		0.00		0.00
4. <u>Claims Receivable</u>				
Claims Receivables (Staff)		76,418.00		83,380.00
Claims Receivables (Parties)		1,07,894.00		12,72,304.00
Claims Receivables (Banks : Dormant A/cs)		0.00		34,757.00
Bank of Baroda A/c 300701000011077	0.00		25,312.00	
Bank of Baroda A/c 300701000006913	0.00		9,445.00	
Amount Recoverable Against Completed Projects/Schemes		40,462.00		2,58,430.00
Grant Receivable-CSIR (ICCGNFR 2017)	0.00		1,00,000.00	
Grant Receivable-NBHM (Krishnendu Gongopadhyay)	40,462.00		47,533.00	
Grant Receivable-NBHM (Prof. Joseph Samuel)	0.00		17,030.00	
NBHM Fellowships	0.00		93,867.00	
Payments Against Ongoing Sponsored Projects/Schemes		1,11,000.00		2,35,640.00
Indian Institute of Technology-Gauhati	30,000.00		30,000.00	
ISQI-2008-Bhubaneswar	25,000.00		25,000.00	
JEST Examination Expenses (Recoverable)	0.00		1,24,640.00	
Registrar, IIT Kanpur	6,000.00		6,000.00	
Registrar, IIT Roorkee	50,000.00		50,000.00	
TOTAL (B)		4,57,15,058.41		2,70,47,876.67
TOTAL (A + B)		12,21,31,451.12		15,53,45,238.60

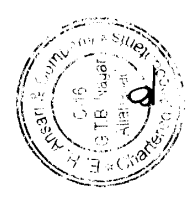
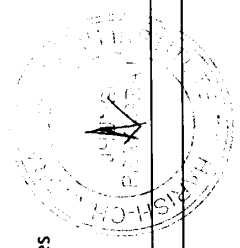


HARISH CHANDRA RESEARCH INSTITUTE, PRAYAGRAJ
SCHEDULE FORMING PART OF INCOME AND EXPENDITURE FOR THE PERIOD 01-04-21 TO 31-03-22

(Amount - Rs.)

	Current Year	Previous Year
SCHEDULE 12 - INCOME FROM SALES / SERVICES		
1) Income from Sales		
a) Sale of Finished Goods	0.00	0.00
b) Sale of Raw Material	0.00	0.00
c) Sale of Scraps / Buy-back	0.00	11,51,016.00
d) Buy-back values	0.00	0.00
2) Income from Services		
a) Labour and Processing Charges	0.00	0.00
b) Professional / Consultancy Services	0.00	0.00
c) Agency Commission and Brokerage	0.00	0.00
d) Maintenance Services (Equipment / Property)	0.00	0.00
e) Others (Specify)		
Receipts from Canteen	1,55,349.00	32,586.00
Receipts from Guest House	2,43,564.00	2,00,647.00
Misc. Receipts from Penalties / LD Clause	43,638.00	15,09,800.00
TOTAL	4,42,551.00	28,94,049.00

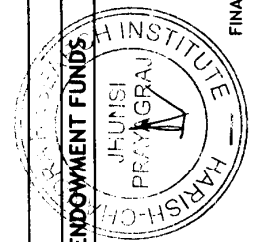
	Current Year	Previous Year
SCHEDULE 13 - GRANTS / SUBSIDIES		
(Irrevocable Grants & Subsidies Received)		
1) Central Government (Grant received Rs.26,94,00,000 less Grant lapsed on 31-03-22 Rs.64,32,133)	26,29,67,867.00	32,24,00,000.00
2) State Government(s)	0.00	0.00
3) Government Agencies	0.00	0.00
4) Institutions / Welfare Bodies	0.00	0.00
5) International Organisations	0.00	0.00
6) Others (Specify)	0.00	0.00
TOTAL	26,29,67,867.00	32,24,00,000.00



HARISH CHANDRA RESEARCH INSTITUTE, PRAYAGRAJ
SCHEDULE FORMING PART OF INCOME AND EXPENDITURE FOR THE PERIOD 01-04-21 TO 31-03-22

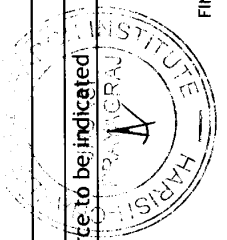
	(Amount - Rs.)	
	Current Year	Previous Year
SCHEDULE 14 - FEES / SUBSCRIPTIONS		
1) Entrance Fees	0.00	0.00
2) Annual Fees / Subscriptions	0.00	0.00
3) Seminar / Program Fees	0.00	0.00
4) Consultancy Fees	0.00	0.00
5) Others (Specify)	0.00	0.00
TOTAL	0.00	0.00
Note - Accounting Policies towards each item are to be disclosed		

	Investment from Earmarked Fund		Investment - Others	
	Current Year	Previous Year	Current Year	Previous Year
SCHEDULE 15 - INCOME FROM INVESTMENTS				
(Income on Invest. From Earmarked / Endowment Funds transferred to Funds)				
1) Interest				
a) On Govt. Securities	0.00	0.00	0.00	0.00
b) Other Bonds / Debentures	0.00	0.00	0.00	0.00
2) Dividends:				
a) On Shares	0.00	0.00	0.00	0.00
b) On Mutual Fund Securities	0.00	0.00	0.00	0.00
3) Rents				
4) Others (Specify) Interest on Fixed Deposits with Banks	50,46,016.00	59,35,360.00	0.00	0.00
TOTAL	50,46,016.00	59,35,360.00	0.00	0.00
TRANSFERRED TO EARMARKED / ENDOWMENT FUNDS	-50,46,016.00	-59,35,360.00		



HARISH CHANDRA RESEARCH INSTITUTE, PRAYAGRAJ
SCHEDULE FORMING PART OF INCOME AND EXPENDITURE FOR THE PERIOD 01-04-21 TO 31-03-22

(Amount - Rs.)		Current Year	Previous Year
SCHEDULE 16 - INCOME FROM ROYALTY, PUBLICATION ETC.			
1) Income from Royalty		0.00	0.00
2) Income from Publications		0.00	0.00
3) Others (Specify)		0.00	0.00
TOTAL		0.00	0.00
SCHEDULE 17 - INTEREST EARNED			
1) On Term Deposits:		59,62,894.00	51,08,814.00
a) With Scheduled Banks		0.00	0.00
b) With Non-Scheduled Banks		0.00	0.00
c) With Institutions		0.00	0.00
d) Others		0.00	0.00
On Security Deposit (UPPCL)		1,26,358.00	0.00
2) On Savings Accounts:		16,72,652.00	17,97,040.00
a) With Scheduled Banks		0.00	0.00
b) With Non-Scheduled Banks		0.00	0.00
c) Post Office Savings Accounts		0.00	0.00
d) Others		0.00	0.00
3) On Loans:		0.00	0.00
a) Employees / Staff		0.00	0.00
b) Others		0.00	0.00
4) Interest on Debtors and Other Receivables		0.00	0.00
TOTAL		77,61,904.00	69,05,854.00
Note - Tax deducted at source to be indicated		8,94,784.00	3,57,757.00

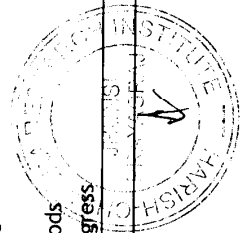
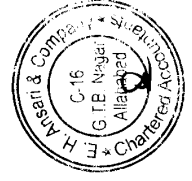


HARISH CHANDRA RESEARCH INSTITUTE, PRAYAGRAJ
SCHEDULE FORMING PART OF INCOME AND EXPENDITURE FOR THE PERIOD 01-04-21 TO 31-03-22

	(Amount - Rs.)	
	Current Year	Previous Year
SCHEDULE 18 - OTHER INCOME		
1) Profit on Sale / disposal of Assets:		
a) Owned assets	0.00	0.00
b) Assets acquired out of grants, or received free of cost	14,465.00	0.00
2) Export Incentives realized	0.00	0.00
3) Fees for Miscellaneous Services		
Licence fees & Elect. from rented buildings	15,05,920.00	16,70,375.00
4) Miscellaneous Income		
Firms Registration Fee	0.00	500.00
Misc. Receipts	20,95,001.00	19,09,154.00
RTI Receipts	0.00	96.00
Sale of Tenders	7,390.00	15,080.00
Recovery of License fees & Accomodation charges	6,40,895.00	5,30,197.00
Recovery of Personal Transport	36,349.00	30,835.00
Recovery of Telephone charges	1,167.00	966.00
Recovery of Transport charges	6,510.00	11,465.00
Leave Salary Contribution	0.00	2,75,484.00
Contributory Medical Scheme	10,29,646.00	0.00
User Charges	5,937.00	0.00
Water Charges	0.00	0.00
TOTAL	53,43,280.00	44,44,152.00

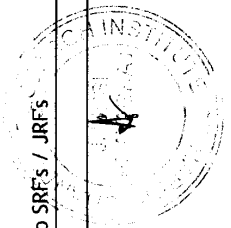
	Current Year	Previous Year
SCHEDULE 19 - INCREASE / (DECREASE) IN STOCK OF FINISHED GOODS & WORK IN PROGRESS		
a) Closing Stock		
▶ Finished Goods	0.00	0.00
▶ Work-in-progress	0.00	0.00
b) Less: Opening Stock		
▶ Finished Goods	0.00	0.00
▶ Work-in-progress	0.00	0.00
TOTAL	0.00	0.00

FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)



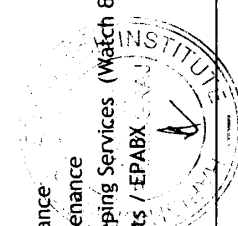
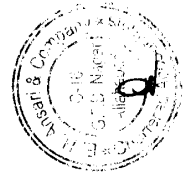
HARISH CHANDRA RESEARCH INSTITUTE, PRAYAGRAJ
SCHEDULE FORMING PART OF INCOME AND EXPENDITURE FOR THE PERIOD 01-04-21 TO 31-03-22

	(Amount - Rs.)	
	Current Year	Previous Year
SCHEDULE 20 - ESTABLISHMENT EXPENSES		
a) Salaries and Wages		
Salary	9,00,09,075.00	8,58,01,879.00
Fellowship	4,22,72,339.26	4,09,87,554.00
PRIS	1,60,621.00	3,480.00
Pension	1,96,76,220.00	1,41,88,573.00
b) Allowances and Bonus		
Professional Update Allowance (Academic)	0.00	20,19,375.00
Update Allowance (Admin)	0.00	0.00
Children Education Allowance	4,76,459.00	3,51,000.00
EL Encashment (LTC)	23,405.00	0.00
Leave Travel Concession	1,90,608.00	27,16,999.00
Contribution to Provident Fund (CPF)	0.00	0.00
d) Contribution to Other Fund (specify)		
NPS	68,69,241.00	52,83,693.00
e) Staff Welfare Expenses		
Health Centre Expenses	23,52,981.00	15,57,534.00
Employees' Medical Benefits	32,10,055.00	18,70,462.00
f) Expenses on Employees' Retirement and Terminal Benefits		
Commutation of Pension	0.00	25,64,394.00
EL Encashment on Retirement / Death	0.00	1,23,20,693.00
Gratuity	0.00	1,06,06,702.00
TA to Retiring Employees	0.00	0.00
g) Others (Specify)		
Honorarium	9,85,400.00	71,750.00
Contingency Grant to SRFs / JRFs	30,81,979.00	34,30,866.74
TOTAL	16,93,08,383.26	18,37,74,954.74

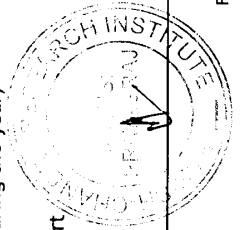
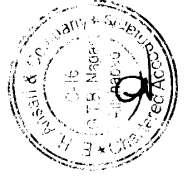


HARISH CHANDRA RESEARCH INSTITUTE, PRAYAGRAJ
SCHEDULE FORMING PART OF INCOME AND EXPENDITURE FOR THE PERIOD 01-04-21 TO 31-03-22

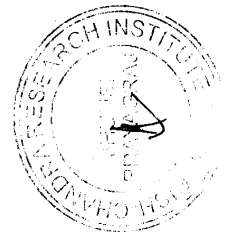
SCHEDULE 21 - OTHER ADMINISTRATIVE EXPENSES ETC.		(Amount - Rs.)	
	Current Year	Previous Year	
a) Purchases			
Computer & Peripherals (Recurring)	66,673.00	17,25,459.00	
Purchase of Capital Items (Mach/Equip/Motor Car etc.)	2,57,638.00	11,28,515.00	
Furniture & Fixtures	1,94,232.00	13,42,176.00	
Store Purchase (Supplies & Materials)	4,74,232.00	8,13,991.00	
b) Labour and processing expenses			
Emergency Duty Allowance	0.00	0.00	
c) Cartage and Carriage Inwards	0.00	0.00	
d) Electricity and power	2,43,49,851.97	2,17,59,231.00	
e) Water Charges	0.00	0.00	
f) Insurance	0.00	0.00	
g) Repairs and maintenance & Services			
Air Conditioner Maintenance	17,56,916.00	7,52,250.00	
Aquaguard Maintenance	46,200.00	50,485.00	
Civil Maintenance	20,83,157.00	15,77,874.00	
Computer Maintenance	23,19,367.00	33,20,870.00	
Electrical Installations Maintenance	21,94,665.00	23,65,217.00	
Equipment Maintenance	2,29,960.00	9,17,114.00	
Fire Extinguisher Maintenance	3,35,396.00	2,23,826.00	
Gas Bank Maintenance	25,842.00	0.00	
Generator Maintenance	32,13,403.00	11,28,252.00	
Lawn Maintenance	17,14,201.00	15,67,835.00	
Lift Maintenance	0.00	0.00	
Photocopier Maintenance	20,725.00	50,034.00	
Swimming Pool Maintenance	28,401.00	0.00	
Security & House-keeping Services (Watch & Ward)	4,46,05,180.50	4,39,46,085.00	
Telephone Equipments / EPABX	5,31,000.00	5,01,500.00	
UPS Maintenance	12,36,503.00	0.00	
h) Excise Duty	0.00	0.00	



SCHEDULE 21 - OTHER ADMINISTRATIVE EXPENSES ETC. (Contd...)		Current Year	Previous Year
i) Rent, Rates and Taxes			
	Rent & Electricity Charges of Trivenipuram Hostel	4,25,652.00	4,42,873.00
	Rent & Electricity Charges of Jabar Singh Yadav Hostel	34,500.00	0.00
	Rent & Electricity Charges of 10 KG Marg City Guest House	1,99,465.00	2,23,963.00
	Rent & Electricity Charges of Jhunsi Hostel	3,12,032.00	4,03,678.00
j) Vehicles Running and Maintenance			
	Renting of Vehicles	6,78,232.00	9,70,416.00
	Insurance of Car	13,355.00	17,263.00
	Petrol expense of Car	22,937.00	5,895.00
	Repair & Maintenance of Car	1,425.00	100.00
k) Postage, Telephone and Communication Charges			
	E-mail & Internet Charges	4,48,154.00	0.00
	Newspaper & Periodicals	38,525.00	12,623.00
	Postage	25,764.00	34,948.00
	Telephones-Office	2,33,068.00	3,14,695.00
	Telephones-Residential	23,667.00	26,833.00
l) Printing and Stationary		75,168.00	2,79,564.00
m) Travelling and Conveyance Expenses			
	TA/DA - Staff	30,174.00	1,37,801.00
	TA/DA - Visitors	0.00	8,99,355.00
	Ticket Cancellation Charges	0.00	6,500.00
n) Expenses on Seminar / Workshops			
	Colloquium	0.00	3,000.00
	Rajbhasha Programme	3,600.00	13,800.00
	Talent Search Examination	0.00	30,820.00
o) Subscription Expenses			
	Current Journals (During the year)	1,97,48,315.42	3,15,17,906.17
	Purchase of Books	52,642.00	2,71,995.00
	Publication of Report/ Standing Series	41,840.00	7,000.00
p) Expenses on Fees		5,49,303.00	4,68,519.00
q) Auditors Remuneration		0.00	0.00
		29,500.00	38,350.00



(Amount - Rs.)	
Current Year	Previous Year
SCHEDULE 21 - OTHER ADMINISTRATIVE EXPENSES ETC. (Contd...)	
r) Hospitality Expenses	
Canteen	56,617.00
Guest House	76,539.00
s) Professional Charges	
Consultancy Expenses (Taxation & Others)	48,450.00
Consultancy & Legal Expenses	1,39,650.00
t) Provision for Advances / Bad and Doubtful Debts	
BSNL 150 Mbps ILL	4,31,563.00
Provision for Natural Gas	10,00,000.00
u) Irrecoverable Balances Written-off	0.00
v) Packing Charges	0.00
Binding Charges	8,760.00
Freight and Forwarding Expenses	13,605.00
x) Distribution Expenses	0.00
y) Advertisement and Publicity	0.00
z) Others (Specify)	2,01,732.00
Bank Comm.	
Cable TV Expenses	26,960.00
Disaster Management / Emergency Services	41,418.00
Misc. Expenses	1,18,222.00
Office Expenses	13,900.50
Other Admin Expenses	95,301.00
Loss on Sale of Assets	0.00
Sports & Other Activities	0.00
TDS on Fixed Deposit / Security (HRI)	5,042.00
	2,809.00
	12,636.00
TOTAL	11,06,77,930.39
	12,16,06,598.61



HARISH CHANDRA RESEARCH INSTITUTE, PRAYAGRAJ
SCHEDULE FORMING PART OF THE ACCOUNTS FOR THE PERIOD ENDED 31-03-22

SCHEDULE 24 - SIGNIFICANT ACCOUNTING POLICIES

1. ACCOUNTING CONVENTION

- 1.1 The financial statements are prepared on the basis of historical cost convention, unless otherwise stated and on the accrual method of accounting.
- 1.2 Figures of the previous year and current year have been regrouped wherever necessary to confirm classification.

2. INVESTMENTS

- 2.1 Investments are valued at cost plus interest accrued thereon.
- 2.2 Cost includes acquisition expenses like brokerage, transfer stamps, etc.

3. FIXED ASSETS

- 3.1 Fixed Assets are stated at cost of acquisition inclusive of inward freight, duties and taxes and incidental and direct expenses related to acquisition.
- 3.2 Assets purchased from Plan & Non-Plan during the year have been capitalized under the appropriate heads of accounts of Fixed Assets.
- 3.3 Realization made from Sale / Buy-back of Assets is taken as Non-Recurring Income in the year of receipt and Profit / Loss accounted for.
- 3.4 Realization made from Sale of Scrap is taken as Non-Recurring Income in the year of receipt.

4. DEPRECIATION

- 4.1 Depreciation is provided on written down value method as per rates specified in the Income-tax Act, 1961.
- 4.2 In respect of additions to/deductions from fixed assets during the year, depreciation is considered on full year basis.
- 4.3 No Depreciation is charged on assets, which is sold during the year.

5. EXPENDITURE

- 5.1 Consumable, stores and stationary are charged to the Income and Expenditure Account in the year of its purchase.
- 5.2 Non-Plan Non-Salary expense on Email, VSAT facility, Internet / Broadband charges, Annual Maintenance charges of fixed assets, etc. are charged to the Income & Expenditure account in the year of its payment. Rent receipts are taken into Income & Expenditure account on cash basis.

6. INCOME / RECEIPTS

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

7. GOVERNMENT GRANTS/SUBSIDIES

- 7.1 Government grants/subsidy are accounted on realization basis.
- 7.2 The unspent amount of grants received in respect of the projects/schemes is shown under Current Liabilities in the Balance Sheet under the head "Unutilized DAE Grants Recurring (Non-Plan)"
- 7.3 Excess of payments made over the grants received in respect Projects/schemes are shown under Current Assets in the Balance Sheet under the head "Payments Against Ongoing Sponsored Projects/Schemes"

8. RETIREMENT BENEFITS

- 8.1 Liability towards gratuity payable on death/retirement of employees is accrued based on actuarial valuation.
- 8.2 Provision for accumulated leave encashment benefit to the employees is accrued and computed on the assumption that employees are entitled to receive benefit as at each year end.
- 8.3 Provision for accumulated Pension Liabilities on existing Active employees, existing pensioners & family pensioners is accrued on actuarial valuation.


9. TAXATION

- 9.1 TDS deductible u/s 194C on Library Journals Subscriptions payments to Indian vendors will be realized on actual values of supplies when effected.
- 9.2 TDS deductible u/s 194J on Library Journals e-Subscriptions payments to Foreign vendors will be realized on actual values of supplies when effected.
- 9.3 Since there is no taxable income as per the provisions of Income Tax Act 1961, provision for Income Tax has not been made.

Date: 29th.June,2022

Place: Prayagraj

U.D/N: 22050869ALWVRD7013

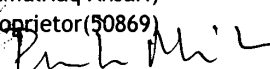

(Amit Roy)

Consultant / Accounts Officer



(Ravindra Singh)
Registrar

For EH Ansari & Co.
Chartered Accountants
C-16
G.T.B. Nagar
Aligarh
Proprietor (50869)

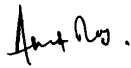

(Pinaki Majumdar)
Director

ACTION TAKEN ON AUDITOR'S REPORT – FY 2021-22

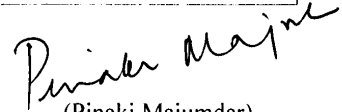
S.NO.	NOTES ON ACCOUNTS	COMPLIANCE
1.	<p>An amount of Rs.4,78,50,030/- shown as Capital WIP booked for construction of buildings funded from Plan Projects. Construction has been stopped to comply the order of Hon'ble Allahabad High Court.</p> <p>For other assets, the Institute has maintained Fixed Asset Register showing physical quantity, value & location of the Fixed Assets and they are in agreement with the books of account. No discrepancy was observed. Physical verification of all the assets were conducted during the year on 31st December, 2021.</p>	<p>A PIL No.4003 was filed in the Hon'ble High Court Prayagraj regarding Ganga Pollution where the High Court had passed an order that no construction shall be carried out within 500 meters of the Highest Flood Level of river Ganga in the year 1978. As a result, all construction activity of the Institute was stopped since February 2013. The matter is still subjudice hence the entire amount spent on construction has been shown as capital work in progress.</p> <p>The foreclosure of this project has been approved by Competent Authority, hence, the project is treated as closed. Since, project has been foreclosed, we propose to Capitalised this amount during the Financial Year 2022-23 and will charge depreciation thereon.</p> <p>It is a continuous process and is carried out every year as on 31st March every year.</p>
2.	<p>a. The following amount for realisation against completed projects are long pending and shown as claims recoverable. Institute should take necessary steps for recovery and in case of irrecoverable balance sanction should be obtained to write-off the amount: NBHM Grant - K. Gangopadhyay Since 2007 Rs.9052</p>	<p>The total outstanding amount from N.B.H.M. was Rs.1,17,968/-, the Institute has received this entire money on 19.02.2022 including a sum of Rs.7071/- for K. Gangopadhyay. NBHM informed us that they had paid Rs.40,462/- to K. Gangogopadhyay directly on 26.03.2007. We recovered Rs.40462/- from Gangopadhyay on 04.04.2022 on online mode. We came to know of other recoverable from him i.e. License Fee, T.A. etc. and asked him to pay this amount, he has refused to pay, hence, this advance is lying unadjusted. We will try to recover this in future.</p>

	<p>b. Balance of EMD, Imprest Account, Security Deposits, Sundry Creditor, Loan & Advances and Claims Recoverable etc. are subject to confirmation, reconciliation and consequential adjustments thereof. Letters for third party confirmation has been sent by the Institute and there confirmation is still awaited.</p>	<p>This is a routine practice followed by the Institute after the finalization of Balance Sheet seeking confirmation from parties on their EMDs, Security Deposits, Imprest Accounts, Loan & Advances, Creditors and Claims Recoverables etc. There has been no dispute to any outstanding claim so far.</p>
	<p>c. Provisions for accumulated Pension Liabilities/Gratuity/Leave Encashment on existing Active employees & Pensioners for Rs.38.66.73.139 as per Actuarial valuation Report has been provided by the Institute. As explained, no separate fund is maintained for this purpose.</p>	<p>The provision for Pension/Gratuity/Leave Encashment was calculated on the basis of Actuarial valuation as on 31.03.2022, which is mandatory and as per Standard Accounting Policy. The Retirement Benefits are supported by Grant-in-Aid every year, hence, no separate fund is maintained for this purpose.</p>

Date: 30.06.2022
Place: Prayagraj


(Amit Roy)
Consultant/AO


(Ravindra Singh)
Registrar


(Pinaki Majumdar)
Director