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दिनांक Dated: 26/11/2024

1. पंजीकरण संख्या/Registration Number	L-156940/2024
2. आवेदक का नाम, पता तथा राष्ट्रियता Name, address and nationality of the applicant	BIRLA INDUSTRIAL & TECHNOLOGICAL MUSEUM, 19A, GURUSADAY ROAD, KOLKATA-700019 INDIAN
3. कृति में प्रतिलिप्यधिकार में आवेदक के किस की प्रकृति Nature of the applicant's interest in the copyright of the work	OWNER
4. कृति का वर्ग और वर्णन Class and description of the work	LITERARY, DRAMATIC WORK GRAPHIC PRESENTATION OF FICTIONAL NOBEL DIPLOMAS EACH DEDICATED TO THE WORK OF INDIAN NOBEL NOMINEES AND SCIENTISTS
5. कृति का शीर्षक Title of the work	WHAT IF
6. कृति की भाषा Language of the work	ENGLISH
7. रचयिता का नाम, पता और राष्ट्रियता तथा यदि रचयिता की मृत्यु हो गई है तो मृत्यु की तिथि Name, address and nationality of the author and if the author is deceased, date of his decease	SUBHASRATA CHAUDHURI, BIRLA INDUSTRIAL & TECHNOLOGICAL MUSEUM, 19A, GURUSADAY ROAD, KOLKATA-700019 INDIAN
8. कृति प्रकाशित है या अप्रकाशित Whether the work is published or unpublished	PUBLISHED
9. प्रथम प्रकाशन का वर्ष और देश तथा प्रकाशक का नाम, पता और राष्ट्रियता Year and country of first publication and name, address and nationality of the publisher	2024 INDIA SCIENCE CITY, JB S. HALDANE AVENUE, KOLKATA-700046 INDIAN
10. बाद के प्रकाशनों के वर्ष और देश यदि कोई हों और प्रकाशनों के नाम पता और राष्ट्रियता Years and countries of subsequent publications, if any, and names, addresses and nationalities of the publishers	N.A.
11. कृति में प्रतिलिप्यधिकार सम्बन्धित विभिन्न अधिकारों के धारकों के नाम, पता और राष्ट्रियता और सम्पन्धित और अनुमतिपत्रों के विवरण के साथ प्रत्येक के अधिकार का विवरण यदि कोई हो। Names, addresses and nationalities of the owners of various rights comprising the copyright in the work and the extent of rights held by each, together with particulars of assignments and licences, if any	BIRLA INDUSTRIAL & TECHNOLOGICAL MUSEUM, 19A, GURUSADAY ROAD, KOLKATA-700019 INDIAN
12. अन्य व्यक्तियों के नाम पता और राष्ट्रियता, यदि कोई हों जो प्रतिलिप्यधिकार वाले अधिकारों को सम्पन्धित करने या अनुमति देने के लिए अधिकृत हों। Names, addresses and nationalities of other persons, if any, authorised to assign or licence of rights comprising the copyright	N.A.
13. यदि कृति एक 'सांसात्विक कृति' है तो कृति पर अधिकार रखने वाले व्यक्ति का नाम, पता और राष्ट्रियता सहित मूल कृति का स्थान। (एक सांसात्विक कृति में मूल में कृति पूरी होने का वर्ष भी दिखाया जाना चाहिए)। If the work is an 'Artistic work', the location of the original work, including name, address and nationality of the person in possession of the work. (In the case of an architectural work, the year of completion of the work should also be shown)	N.A.
14. यदि कृति एक 'सांसात्विक कृति' है जो किसी भी वस्तु या सेवाओं के संबंध में उपयोग की जाती है या उपयोग किए जाने में सक्षम है तो आवेदन में प्रतिलिप्यधिकार अधिनियम, 1957 की धारा 43 की धारा (1) के अधीन एक प्रमाणित प्रमाण कि रजिस्ट्रार को प्रमाणित किया जाना चाहिए। If the work is an 'Artistic work' which is used or capable of being used in relation to any goods or services, the application should include a certification from the Registrar of Trade Marks in terms of the provision to Sub-Section (1) of Section 43 of the Copyright Act, 1957.	N.A.
15. यदि कृति एक 'सांसात्विक कृति' है तो क्या यह डिजाइन अधिनियम 2000 के अंतर्गत पंजीकृत है यदि हाँ तो विवरण दें। If the work is an 'Artistic work', whether it is registered under the Designs Act 2000, if yes give details.	N.A.
16. यदि कृति एक 'सांसात्विक कृति' है तो डिजाइन अधिनियम 2000 के अंतर्गत एक डिजाइन के तहत पंजीकृत होने में सक्षम है तो क्या यह औद्योगिक प्रक्रिया के माध्यम से किसी वस्तु पर प्रयुक्त की गई है और यदि हाँ तो इसे कितनी बार पुनः प्रतिलिपि किया गया है। If the work is an 'Artistic work', capable of being registered as a design under the Designs Act 2000 whether it has been applied to an article through an industrial process and, if yes, the number of times it is reproduced.	N.A.
17. टिप्पणी यदि कोई हो/Remarks, if any	
कागजी पत्रिका/Diary Number	23616/2024-COI
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Signature
उत्पादक अधिकारी
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What if...

Epoch-defining works of Indian scientists who failed to receive the Nobel nod continue to power the bodies, minds and machines of the nation today.

Here we imagine how their Nobel diplomas would have looked, had they been awarded today.

As all works of fiction, this illustrative anthology reveals the depth of their seminal contributions – some so unique that we had to devise entirely new Nobel Prize fields for them.

After all, as a Nobel laureate herself declared:

“The development of our world is not decided by destiny. It lies in our own power to decide on our future, and on how to transmit our heritage to new generations”

– Professor Astrid Söderbergh Widding





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THE FICTIONAL NOBEL ASSEMBLY AT THE
ROYAL SWEDISH ACADEMY OF SCIENCES HAS
IN RECOGNITION OF PIONEERING
INDIVIDUALS WHO LIVE AND WORK IN
ACCORDANCE TO THE IDEALS OF ALFRED
NOBEL AWARDED THE

NOBEL PRIZE

IN PHYSICS
TO

Jagadish Chandra Bose

FOR HIS EXPERIMENTS ON THE
QUASI-OPTICAL PROPERTIES OF VERY SHORT
RADIO WAVES LEADING TO IMPROVEMENTS
ON THE COHERER CONTRIBUTING TO THE
DEVELOPMENT OF SOLID-STATE PHYSICS

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INDIVIDUALS WHO LIVE AND WORK IN
ACCORDANCE TO THE IDEALS OF ALFRED
NOBEL AWARDED THE

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IN CHEMISTRY
TO

Prafulla Chandra Ray

FOR HIS RESEARCH ON ORGANIC AND
INORGANIC NITRITES AND PIONEERING
MODERN CHEMICAL RESEARCH IN INDIA

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ACCORDANCE TO THE IDEALS OF ALFRED
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IN PALEOBOTANY
TO

Birbal Sahni

FOR EXAMINING EVOLUTIONARY
TRENDS AND GEOGRAPHICAL
DISTRIBUTIONS, SUGGESTING A
SEPARATE ORDER, TAXALES, WITHIN THE
CONIFERS

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IN EVOLUTIONARY BIOLOGY
TO

*John Burdon
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FOR CONTRIBUTING TO RELATE DARWINIAN
EVOLUTIONARY THEORY AND GREGOR
MENDEL'S CONCEPTS OF HEREDITY

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ACCORDANCE TO THE IDEALS OF ALFRED
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IN STATISTICS

TO

*Prasanta Chandra
Mahalanobis*

FOR FORMULATING THE MAHALANOBIS
DISTANCE - A STATISTICAL MEASURE OF
COMPARISON BETWEEN TWO DATA SETS AND
OTHER INNOVATIVE TECHNIQUES FOR
CONDUCTING LARGE-SCALE SAMPLE SURVEYS

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IN ORNITHOLOGY
TO

*Sálim Moizuddin
Abdul Ali*

FOR CONDUCTING SYSTEMATIC BIRD SURVEYS
ACROSS INDIA AND AUTHORIZING BOOKS
POPULARIZING ORNITHOLOGY

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IN BOTANY
TO

*Edavalath Kakkat
Janaki Ammal*

FOR HER SEMINAL CONTRIBUTIONS TO PLANT
BREEDING, CYTOGENETICS, PHYTOGEOGRAPHY
AND DEVELOPING SEVERAL HYBRID CROP SPECIES,
INCLUDING VARIETIES OF SWEET SUGARCANE
THAT INDIA COULD GROW ON ITS OWN LANDS

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असिता चटर्जी
Asima Chatterjee

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IN CHEMISTRY
TO

Asima Chatterjee

FOR HER CONTRIBUTION TO MEDICINAL
CHEMISTRY WITH SPECIAL REFERENCE TO
ALKALOIDS, COUMARINS AND TERPENOIDS,
ANALYTICAL CHEMISTRY, MECHANISTIC ORGANIC
CHEMISTRY AND DEVELOPMENT OF
ANTI-EPILEPTIC AND ANTI-MALARIAL DRUGS

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IN METEOROLOGY
TO

*Anna Modayil
Mani*

FOR CREATING INDIA'S FIRST OZONESONDE,
MAKING IT EASIER FOR SCIENTISTS TO MONITOR
THE OZONE LAYER

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IN SPACE SCIENCE
TO

*Vikram Ambalal
Sarabhai Jain*

FOR INITIATED SPACE RESEARCH AND HELPING
DEVELOP NUCLEAR POWER IN INDIA

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IN DAIRY SCIENCE
TO

Vergheese Kurien

FOR TRANSFORMING INDIA'S DAIRY INDUSTRY BY
STREAMLINING EFFECTIVE MANAGEMENT AND
DISTRIBUTION STRATEGIES MAKING INDIA THE
LARGEST MILK PRODUCING COUNTRY IN THE
WORLD

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NOBEL AWARDED THE

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IN AGRICULTURAL SCIENCE
TO

*Mankombu Sambasivan
Swaminathan*

FOR ARCHITECTING THE GREEN REVOLUTION IN
INDIA BY INTRODUCING AND FURTHER DEVELOPING
HIGH-YIELDING VARIETIES OF WHEAT AND RICE,
SPEARHEADING MASS MOVEMENT WITH FARMERS AND
SCIENTISTS, THUS SAVING INDIA AND PAKISTAN FROM
CERTAIN FAMINE-LIKE CONDITIONS IN THE 1960s

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NOBEL PRIZE

IN ASTRONOMY
TO

Manali Kallat
Vainu Bappu

FOR DISCOVERING THE WILSON-BAPPU
EFFECT JOINTLY WITH ASTRONOMER OLIN
CHADDOCK WILSON

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ACCORDANCE TO THE IDEALS OF ALFRED
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NOBEL PRIZE

IN PHYSIOLOGY OR MEDICINE
TO

Dilip Mahalanabis

FOR BEING THE EARLIEST PRACTITIONER OF
VITAL ORAL REHYDRATION THERAPY, WHOSE
RESEARCH INTO DIARRHOEAL DISEASES SAVED
THE LIVES OF MILLIONS OF PEOPLE,
INCLUDING HUGE NUMBER OF VULNERABLE
INFANTS

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INDIVIDUALS WHO LIVE AND WORK IN
ACCORDANCE TO THE IDEALS OF ALFRED
NOBEL AWARDED THE

NOBEL PRIZE

IN COMPUTER SCIENCE
TO

*Vijay Pandurang
Bhatkar*

FOR ARCHITECTING INDIA'S NATIONAL
INITIATIVE IN SUPERCOMPUTING, WHERE HE
LED THE DEVELOPMENT OF INDIA'S FIRST
SUPERCOMPUTER PARAM IN 1990

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IN CHEMISTRY
TO

*Gopalasamudram Narayanan
Ramachandran*

FOR HIS DISCOVERY OF THE TRIPLE HELICAL STRUCTURE
OF COLLAGEN AND ANALYSIS OF THE ALLOWED
CONFORMATIONS OF PROTEINS THROUGH THE USE OF
THE RAMACHANDRAN PLOT

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NOBEL PRIZE

IN CHEMISTRY
TO

*Thiruvengadam
Rajendram Seshadri*

FOR HIS RESEARCH ON PLANT CHEMISTRY,
PRIMARILY IN OXYGEN HETEROCYCLICS, AND
CONTRIBUTION TO THE ISOLATION AND
STRUCTURAL ELUCIDATION OF FLAVANOID
PIGMENTS

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NOBEL PRIZE

IN PHYSICS
TO

*Homi Jehangir
Bhabha*

FOR EXPLAINING THE SCATTERING OF
POSITRON BY ELECTRONS WITH EXCHANGE
ON DIRAC'S THEORY OF THE POSITRON, THE
PASSAGE OF FAST ELECTRONS AND THE
THEORY OF COSMIC SHOWERS

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IN PHYSIOLOGY OR MEDICINE
TO

*Upendranath
Brahmachari*

FOR CREATING THE DRUG UREA STIBAMINE
USED TO SAFELY AND RELIABLY TREAT
VISCERAL LEISHMANIASIS OF BLACK FEVER, A
SEVERE INFECTION CAUSED BY THE
LEISHMANIA PARASITE

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INDIVIDUALS WHO LIVE AND WORK IN
ACCORDANCE TO THE IDEALS OF ALFRED
NOBEL AWARDED THE

NOBEL PRIZE

IN PHYSICS
TO

Satyendra Nath Bose

FOR GROUNDBREAKING WORK DESCRIBING
ELEMENTARY QUANTUM PARTICLES LEADING
TO BOSE-EINSTEIN STATISTICS FUELLING THE
QUANTUM REVOLUTION

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INDIVIDUALS WHO LIVE AND WORK IN
ACCORDANCE TO THE IDEALS OF ALFRED
NOBEL AWARDED THE

NOBEL PRIZE

IN PHYSICS
TO

Meghnad Saha

FOR HIS FORMULATION OF SAHA EQUATION
PERMITTING THE CALCULATION OF THE
DEGREE OF IONIZATION IN A GAS, OF
ENORMOUS IMPORTANCE IN ANALYZING THE
SPECTRA OF STARS AND NEBULAE

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