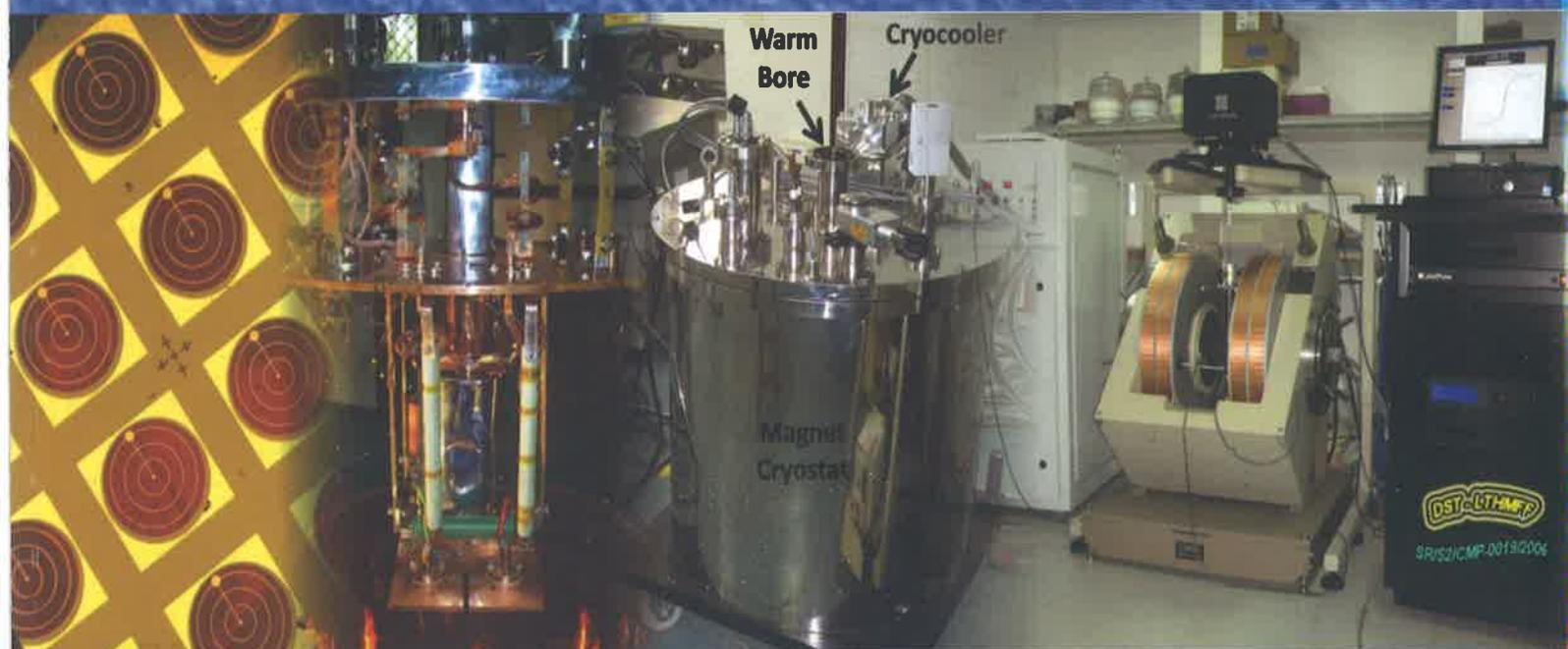


Annual Report 2012-13



Science and Engineering Research Board

(A statutory body under the Department of Science & Technology,
Government of India)

New Delhi

CONTENTS

Chapter	Page No.
1. Message	3
2. Governance Structure	4
2.1 SERB	4-5
2.2 Oversight Committee	5
2.3 Organizational Chart	5
3. Overview	6-8
4. Schemes & Programme activities	9
4.1 Extramural Research Funding	9-38
4.2 Fast Track Scheme for Young Scientists	38-45
4.3 Intensification of Research in High Priority Areas	45-47
4.4 Fellowship	47-48
4.5 International Travel Support	48
4.6 Assistance to Professional Bodies and Seminar / Symposia	48
4.7 Utilization of Scientific Expertise for Retired Scientists	48-49
4.8 Programme with Ministry of Food Processing Industries	49
5. Audited Annual Statement of Accounts for the Financial Year 2012-13	50-200



MESSAGE



It gives me immense pleasure to place before you the second Annual Report of the Science and Engineering Research Board. Science and Engineering Research Board has started functioning from October, 2011 by absorbing individual centric competitive research grant schemes of erstwhile Science and Engineering Research Council (SERC) of the Department of Science and Technology. While the Board continues to support researchers through different schemes which were transferred from SERC, it has also launched many new programmes during the year. A country specific study to assess the impact of Cell Tower Radiation on human health and other life systems and PM's doctoral research fellowship under PPP mode have been launched.

The Board is planning to formulate many new programs and put in place a robust mechanism for promoting excellence in R&D funding. I am sure this will make an impact on R&D in the country in near future.

(T. Ramasami)
Chairman, SERB

2. GOVERNANCE STRUCTURE

2.1 Science and Engineering Research Board

In exercise of the powers conferred by the Science and Engineering Research Board Act, the Government of India has constituted the Science and Engineering Research Board (SERB). The composition of the Board is given below:

- | | | |
|-----|---|-----------------------|
| 1. | Secretary, Department of Science & Technology, Govt. of India | Chairman (ex-officio) |
| 2. | Member-Secretary, Planning Commission, Govt. of India | Member (ex-officio) |
| 3. | Secretary, Department of Biotechnology, Govt. of India | Member (ex-officio) |
| 4. | Secretary, Department of Scientific & Industrial Research, Govt. of India | Member (ex-officio) |
| 5. | Secretary, Ministry of Earth Sciences, Govt. of India | Member (ex-officio) |
| 6. | Secretary, Department of Expenditure, Ministry of Finance, Govt. of India | Member (ex-officio) |
| 7. | Secretary, Department of Health Research, Govt. of India | Member (ex-officio) |
| 8. | Professor Devang Vipin Khakhar, Director, Indian Institute of Technology Bombay, Mumbai | Member |
| 9. | Professor (Ms.) B.K. Thelma, Department of Genetics, University of Delhi, South Campus, New Delhi | Member |
| 10. | Professor Manindra Agrawal, Department of Computer Science & Engineering, Indian Institute of Technology, Kanpur | Member |
| 11. | Professor B.N. Goswami, Director, Indian Institute of Tropical Meteorology, Pune | Member |
| 12. | Professor (Ms.) Sujatha Ramadorai, School of Mathematics, Tata Institute of Fundamental Research, Mumbai | Member |
| 13. | Professor M.R.S. Rao, President, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bangalore | Member |
| 14. | Dr. Anil Kakodkar, Homi Bhabha Fellow, Bhabha Atomic Research Centre, Deptt. of Atomic Energy, Trombay, Mumbai | Member |
| 15. | Professor K Srinath Reddy, President, Public Health Foundation of India, PHD House, 4/2 Siri Fort Road, August Kranti Marg, New Delhi | Member |



16. Dr. C.V. Natraj, 120, Adarsh Vista, Basavanagara, Bangalore Member
17. Professor Bina Agarwal, Director, Institute of Economic Growth, University of Delhi, Delhi Member

2.2 Oversight Committee

The SERB Act has made a provision of an Oversight Committee to be approved by the Government of India to serve as the Advisory Council of the SERB. The Government of India has constituted the following Oversight Committee.

- | | |
|--|------------|
| 1. Professor CNR Rao, JN Centre for Advanced Scientific Research, Bangalore | Chairman |
| 2. Dr. T Ramasami, Chairman, Science and Engineering Research Board, New Delhi | Vice Chair |
| 3. Professor Roddam Narasimha, JN Centre for Advanced Scientific Research, Bangalore | Member |
| 4. Professor T.V. Ramakrishnan, Banaras Hindu University, Varanasi | Member |
| 5. Dr R.A. Mashelkar, National Chemical Laboratory, Pune | Member |
| 6. President, Indian Academy of Sciences, Bangalore | Member |
| 7. President, Indian National Science Academy, New Delhi | Member |
| 8. President, Indian National Academy of Engineering, New Delhi | Member |

2.3 Organizational Chart

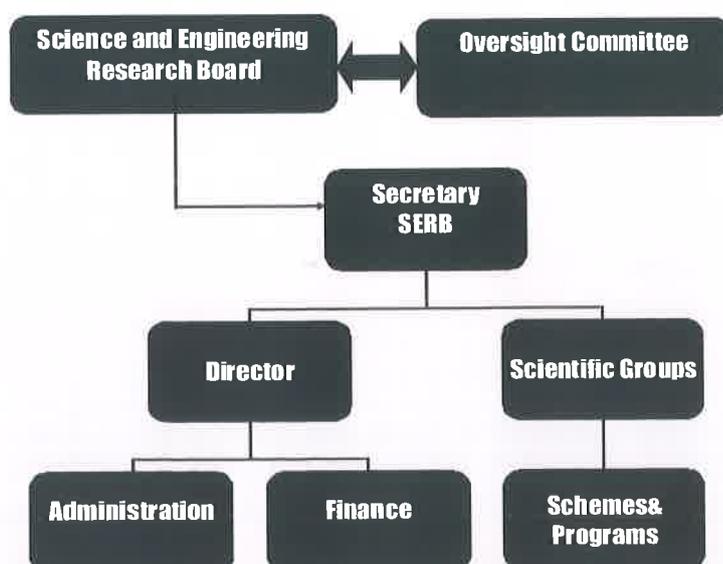


Figure 1. Organization Structure

3. OVERVIEW

The Science and Engineering Research Board (SERB) met four times in the reporting period and had taken significant decisions. The programmes that were transferred from erstwhile Science and Engineering Research Council (SERC) of the Department of Science and Technology (DST) were strengthened.

A total of 539 individual centric projects were sanctioned in broad areas of Chemical, Physical, Life, Mathematical, Earth, Atmospheric and Engineering Sciences (Figure 2). Life Sciences received 44% of funding followed by Engineering Sciences (30%). Among the category of institutions, academic sector received 75% of funding and national laboratories 20%.

PAC-DISCIPLINE-WISE (2012-13)

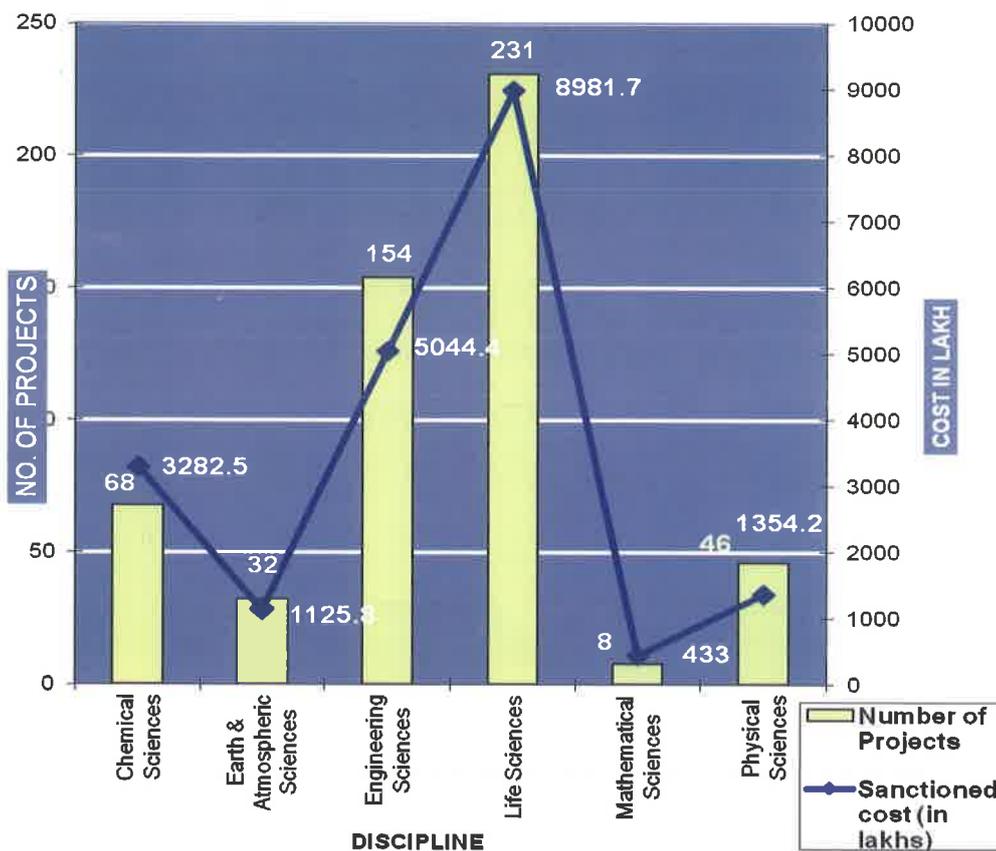


Figure 2. 539 Individual centric PAC projects costing Rs. 20221.6 lakh

Scheme for Young scientists received a major boost with the operationalization of the Board. A total of 1022 projects with the budget of Rs. 202 crore have been sanctioned. Life Sciences received major support. The share of Life Sciences in terms of number of projects and cost



YOUNG SCIENTIST - DISCIPLINE-WISE

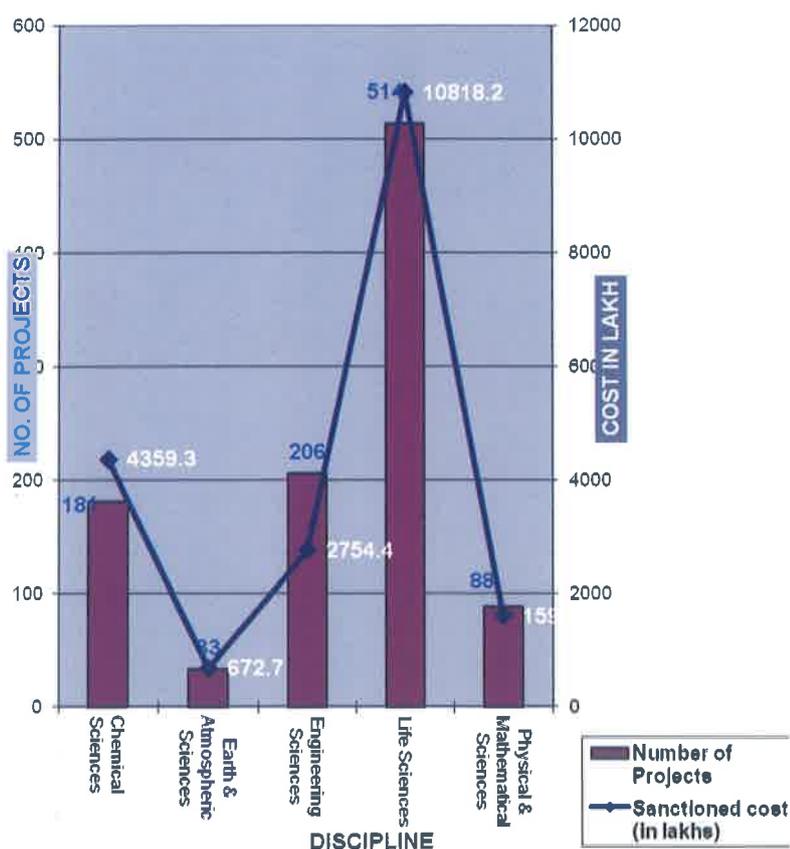


Figure 3. 1022 Young Scientist projects costing Rs. 20201.3 lakh

are 50% and 53% respectively (Figure 3)

Nurturing excellence through fellowships has resulted in identification of potential researchers in frontier areas of science and engineering. Board Identified and supported 13 J.C Bose Fellows and 29 Ramanujan Fellows. More than 1800 scientists were deputed to participate in international conferences / seminar / symposia held at different parts of the globe. Several young researchers were supported to undertake short term training / school conducted by prestigious international bodies. Partial support was provided to organize more than 600 national / international conferences in India.

SERB website (www.serb.gov.in) was made operational. Board also approved several new programs such as launch of country specific study on impact of cell tower radiation in collaboration with ICMR and DeITY and PM's doctoral Research Fellowship through PPP mode.

Overall, the Board has supported research and related activities through schemes like competitive grants for project proposals submitted by individual investigators; Intensification of Research in High Priority Areas (IRPHA); Young Scientist project; fellowships including JC Bose, Ramanujan; Seminar/ Symposia and S&T Professional Bodies; and International Travel Support. Board has issued a total of 6000 financial sanctions which includes more than 1500 sanctions for new projects and 1480 financial sanctions for ongoing projects. A

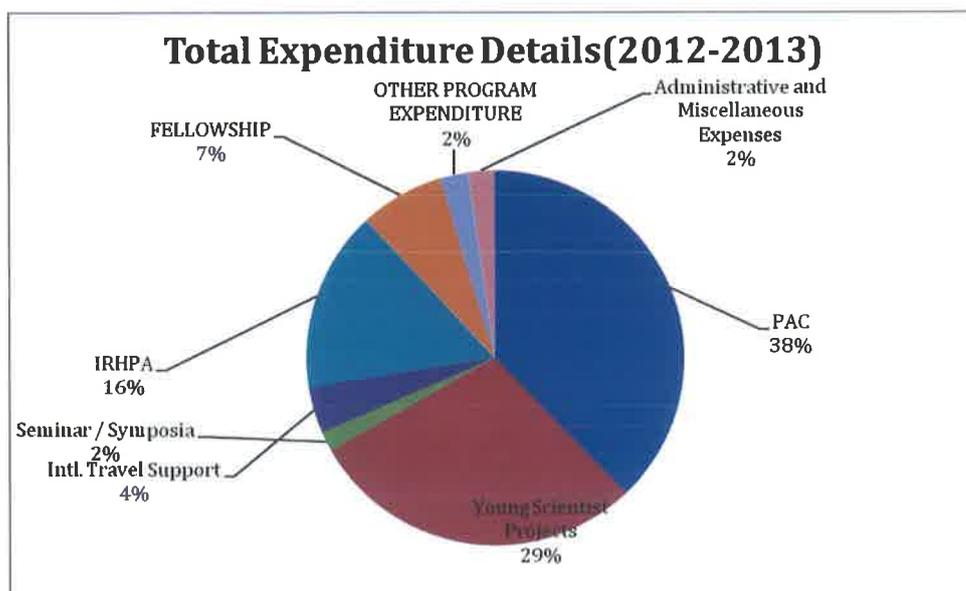


Figure 4. Expenditure for various schemes (Total budget: Rs. 394.26 crore)

total of Rs. 394.26 crore has been released in the reporting period. The details of spending under various heads are given in Figure 4.

The Board also initiated discussion for launching several new and innovative programs like Track Based Research Funding, Redefining the IRHPA Scheme, Overseas Doctoral and Postdoctoral Fellowship, Start-up Grant for Indian Diaspora and Challenge Award, Constitution of thematic Committees in Energy, Environment, Water, Health & Food etc.

Board believes that timely investments in Indian science sector would accelerate growth rate substantially and could offer scope for building a viable platform for the science and technology sector to contribute to the national developmental objectives.

4. SCHEMES AND PROGRAMMES ACTIVITIES

4.1 Extramural Research Funding Scheme supported through Program Advisory Committees:

The scheme provides funding to Individual researchers on competitive grant mode to undertake research in frontier areas of science and engineering. The Program Advisory Committees (PAC) were reconstituted. A total of 539 projects costing Rs. 202 crore were sanctioned during this year. Progress of several projects funded earlier were also reviewed. The following are the highlights of activities of various PACs.

CHEMICAL SCIENCES

Many R&D projects were funded in frontier areas of chemistry. It has been noticed that both quantity and quality of research proposals have been increasing. This is evident from the increasing number of publications in journals of high impact. The significant outcomes of the projects are given below

Inorganic Chemistry

- A new methodology was developed to synthesize mono cyclometalated iridium (III) complexes resulting in a strong phosphorescent emission in solid state (Fig. 5a). This complex exhibits Aggregation Induced Emission (AIE) property (Fig. 5b-g) which is highly important in many solid state applications, e.g., OLEDs, vapor sensors, bio-imaging etc. (*Dalton Trans.*, 41 (2012), 9276-9279).

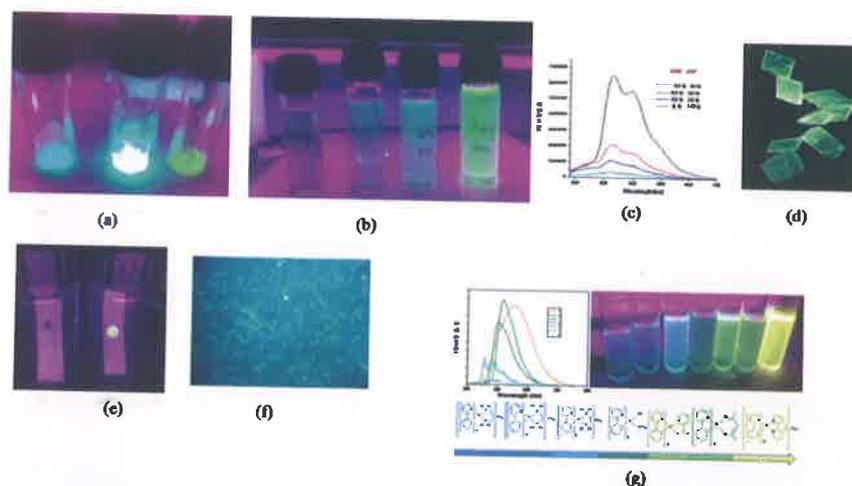


Fig. 5(a) Strong solid state emission; (b) AIE property (increasing conc. of water (left to right) into a mixture of the emitter in organic solvent); (c) Increasing photoluminescence intensity with increasing conc of water; (d) crystal image by using fluorescence microscope; (e) application in vapor sensor; (f) labeling of bacteria; (g) heteroptic complexes with wide ranges of emission

- A new cobalt(II) coordination polymer $[\text{Co}(\text{enbzipy})(\text{dca})]_n(\text{ClO}_4)_n$ (1) [enbzipy = N,N'-bis(pyridin-2-yl)benzylidene)ethane-1,2-diamine and dca = dicyanamide] has been isolated using a single-pot synthesis of a cobalt(II) salt, an organic spacer (enbzipy) and a larger pseudohalide molecular ion rod (dca) at room temperature. It is the first example of a symmetry breaking abrupt high spin-low spin transition for a cobalt(II) polymer with a hysteresis loop of 3 K width reproduced over four times in the 227–160 K temperature range substantiating a robust SCO behavior. It shows an unprecedented X-ray crystallographically characterized structural phase transition (monoclinic to triclinic) over a temperature cycle from room temperature (296 K) to low temperature (100 K) accompanied with sufficiently strong reorganization of the intermolecular interactions. The spin-inactive components, such as the ligand and the counter ion, play a dominant role in the spin transition through supramolecular contacts. Remarkably, the transition between both phases has been proved to be crystallographically reversible. (*Angew. Chem. Int. Ed.*, 51, 2012, 2142-2145).
- In another important work, an MOF was synthesized and characterized where imidazolium groups are aligned along channels (Figure 6) and this system affords high proton conductivity with low activation energy (Figure 7) comparable to Nafion presently used in fuel cells. This type of work assumes great significance in clean energy research.

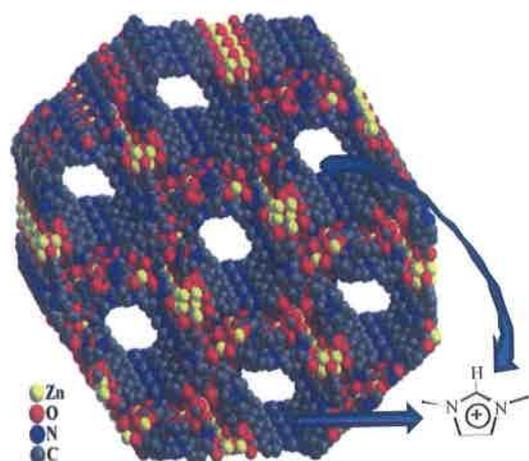


Figure 6

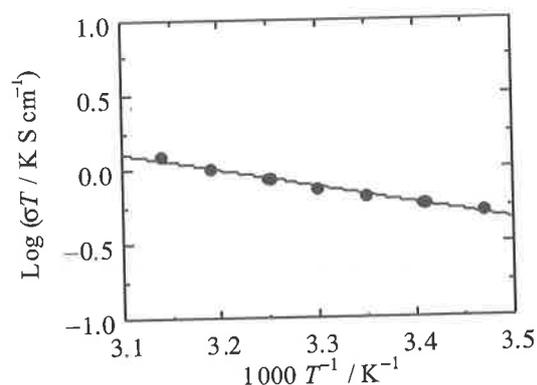


Figure 7



- Two new supramolecular complexes consisting of an achiral bisporphyrin host and a chiral diamine guest are reported. One shows remarkably high amplitude of bisignate CD signal while other one shows very low value (Figure 8). X-ray structure and other spectroscopic investigations of the *tweezer* complexes clearly rationalize the origin of the optical activity that has so far remained the most outstanding issue (*Chem. Commun.* 2012, 48, 4070)

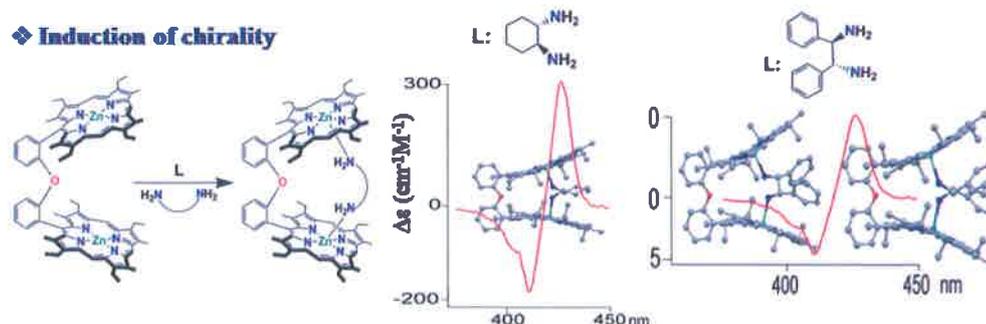


Figure 8

- A novel water soluble porphyrin **THPP** and its metallated derivative **Zn-THPP** was designed and synthesized with favorable photophysical properties including high quantum yields of triplet excited state and singlet oxygen generation efficiencies. The quantum yields of triplet excited states and singlet oxygen of these systems were determined and which are found to be in the order $\Phi_T = 0.66 - 0.94$ and $\Phi(^1O_2) = 0.59 - 0.92$. When compared to FDA, USA approved and clinically used sensitizer Photofrin®, **THPP** showed *ca.* 2-3-fold higher *in vitro* photodynamic activity in different cell lines under identical conditions. The mechanism of the biological activity of these porphyrin systems has been evaluated through a variety of techniques: {3-(4,5-Dimethylthiazol-2-yl)-2,5-diphenyltetrazolium bromide (MTT) assay, comet assay, poly(ADP-ribose)polymerase (PARP) cleavage, CM-H₂DCFDA assay, DNA fragmentation, flow cytometric analysis, fluorescence and confocal microscopy and which confirm the apoptotic cell death through predominantly reactive oxygen species (ROS)}. Of these systems, **THPP** showed rapid cellular uptake and localized specifically in the nucleus of the cells as compared to Hoechst dye and Photofrin®, thereby demonstrating its use as an efficient sensitizer in photodynamic therapy and live cell NIR nucleus imaging applications.

Organic Chemistry

- One-pot chiral amine-triggered asymmetric synthesis of highly substituted *N*-formylpiperidines via an organocatalytic Michael-aza-Henry-hemiaminalization reaction cascade of an aldehyde, a nitroalkene, and an *N*-(aryl(tosyl)methyl)formamide was developed. The merit of this method is its efficiency to install five contiguous chiral centres into the piperidine structure (*Tetrahedron Lett.*, 2012, 53, 5323–5326).

- Increase of proteolytic stability of a bioactive molecule releasing peptide hydrogel by the judicious incorporation of a non-protein, naturally occurring amino acid (b-alanine) in place of amino acid residue in dipeptide based hydrogelators was observed. These gels exhibit a network of nanofibrillar morphology as it is evident from transmission electron microscopic study. (Figure 9). Moreover, these hydrogels are mechanically stable with high storage modulus values of 10^4 Pa order. These proteolytically stable hydrogel materials have been used for the encapsulation and sustained release of water soluble vitamins B₂ and B₁₂ at physiological pH and temperature for three days. (*Soft Matter*, 2012, 8, 3380)

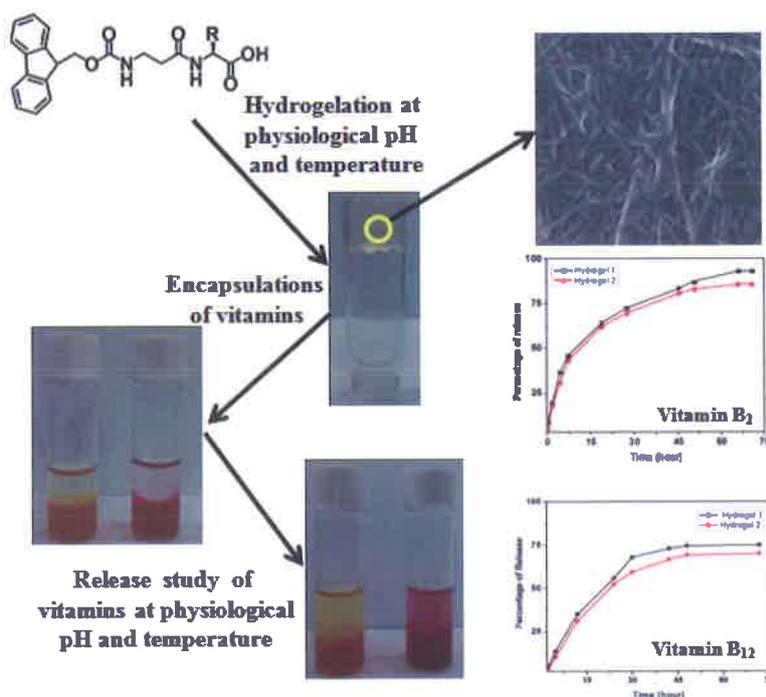


Figure 9. Pictorial presentation of the gel formation, vitamin encapsulation and their sustained release and the morphology of the gel.

- An enantioselective entry into an important class of naturally occurring alkaloids of known biological relevance was achieved. The chemistry developed has not only allowed to prepare both enantiomers of the quinolizidine alkaloid (-)-Lasubine II, but also it has the potential to be applicable for the synthesis of both enantiomers of some alkaloid belonging to the families of piperidine, indolizidine and quinolizidine alkaloids (*Org. Lett.* 2011, 13, 5128).
- Neutral meso-substituted tetrathia[22]annulene[2,1,2,1] and tetraoxa[22]annulene[2,1,2,1] aromatic macrocyclic architectures have been synthesized and the physical characteristics, aromaticity etc. evaluated. These new species when fabricated as thin film organic field effect transistor devices, displayed structure as well as temperature dependent p-type semiconductor behaviour. These constituted first examples in these categories and depicted reproducible bulk-like carrier mobility (as high as $0.63 \text{ cm}^2\text{V}^{-1}\text{S}^{-1}$) on highly crystalline thin films deposited on octadecyltrichlorosilane modified SiO_2 (*Chem. Commun.*, 2011, 47, 905-907, *Chem. Commun.*, 2012, 48, 121-123).



- Acrylic block copolymers based on poly(2-ethyl hexyl acrylate) (PEHA) and polymethyl methacrylate (PMMA) were prepared via transition metal catalyzed controlled radical polymerization (CRP). The AB diblock (PEHA-*b*-PMMA) as well as the ABA triblock (PMMA-*b*-PEHA-*b*-PMMA) copolymers were characterized by GPC and ^1H NMR analyses. DSC, TEM, and SAXS and AFM analyses confirmed the nanophase separated morphology in those block copolymers. Investigation shows that ABA block copolymer can act as potential thermoplastic elastomer (TPE) where PMMA acts as a hard domain and PEHA as soft domain. The block copolymer had good transparency to be a potential material for transparent paints and coatings applications (*ACS Applied Materials & Interfaces*, 4(8), 4200-4207 (2012))

Physical Chemistry

- Thiazolidinedione (TZD) ring metabolism involving initial S-oxidation leads to the generation of reactive metabolites (RMs) and subsequent toxicity forcing the withdrawal of glitazone class of drugs, thus, the study of biochemical pathway of TZD ring metabolism is the subject of interest. The S-oxidation of TZD ring and the formation of isocyanate intermediate (ISC) was implicated as a possible pathway; however, there are several questions still unanswered in this biochemical pathway. The metabolic conversion from TZDSO to ISC (studied at B3LYP/6-311++G(2df,3pd)//B3LYP/6-31+G(d)) required a novel protonated intermediate, TZDSOH⁺. The effect of higher basis sets (6-311+G(d,p), aug-cc-pvqz) on this conversion was studied. In a study TZDSOH⁺ was observed to be more reactive and thermodynamically accessible than isocyanate intermediate, indicating that TZDSOH⁺ is the actual reactive intermediate leading to toxicity of TZD class of compounds. (*J. Phys. Chem. A*, 2012, 116 (42), pp 10441–10450))
- Two novel hydrophobically modified polymers (HMPs) poly(CHOL-co-PEG300) and poly(CHOL-co-PEG1100) (where, CHOL = cholesteryl acrylate and PEG = polyethylene glycol) with ca. 12 mol % hydrophobic substitution were synthesized. These HMPs were shown to self-assemble in aqueous solution forming polymeric micelles (PMs) of diameters in the range 50-100 nm. The solubility of the chemotherapeutic hydrophobic drug S-camptothecin (CPT) was observed to increase ca. 20 times in the presence of 0.1% HMP. Hydrolysis-triggered in vitro release of the loaded drug at pH 4.5 has been demonstrated. It was observed that CPT-loaded uncharged PMs penetrated model cancer cells (MCF7) more efficiently (Figure 10) than normal cells (b.L929). The PMs were shown to be nontoxic as well as compatible to human blood.

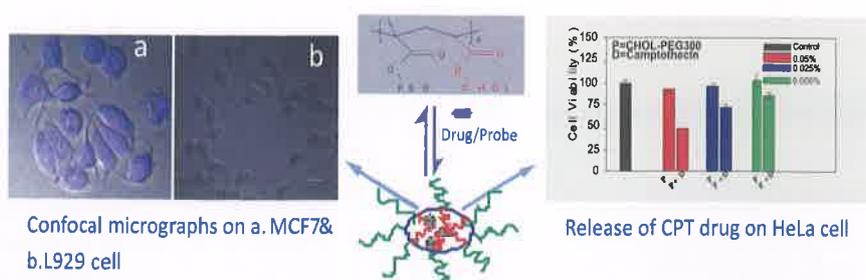


Figure 10

- Several strategies have been developed to fabricate proton exchange membranes (PEM) from the functional heterocyclic polymers for the potential use as fuel cell membranes. A series of novel polybenzimidazoles (PBI) (homo, random and block copolymer) with varieties of functionalities in their backbone were synthesized and their structure-properties relationship were studied. Modification of the PBI backbone with flexible long alkyl chain spacer resulted into PBI with lower glass transition temperature and as a result readily processable PBIs were obtained.
- Organoazide labelled SBA-15 and MCM-41 materials have been synthesized successfully and it has been demonstrated that they can be clicked with small organic molecules, polymers, inorganic catalysts and porous nanoparticles. These conjugates have been used for various applications in catalysis and biosensors. In one example, a small molecule Fe(III) complex was immobilized onto MSN via Cu(I) catalyzed azide-alkyne click chemistry. This hybrid material functions as an efficient peroxidase mimic and was successfully used for the quantitative determination of hydrogen peroxide, glucose and cyanide ion via a one-pot colorimetric assay. In another example, the enzyme trypsin has been encapsulated in the mesopores of a hierarchical mesoporous silica material synthesized via Cu(I) catalyzed azide-alkyne click reaction between azide functionalized large spherical SBA-15 particles and alkyne functionalized mesoporous silica nanoparticles (MSNs). Encapsulated trypsin functioned as an efficient biocatalyst and was recycled several times.

Green Chemistry

Green chemistry, also called sustainable chemistry, is a philosophy of chemical research and engineering that encourages the design of products and processes that minimize the use and generation of hazardous substances. The following are highlights of projects supported.

- A project for development of benign and robust brominating processes involving direct transfer of bromide and synthesis of valuable bromosynthons, their chiral analogues and sequential coupling compounds was supported. The project is centered on development of various brominating reactions towards synthesis of bromosynthons utilizing non-hazardous NaBr and other bromide precursors as a replacement of environmentally unsafe molecular bromine. Specifically, robust synthetic processes towards regioselective synthesis of vinyl bromides, α -bromocarboxylic acids, bromoarenes and other bromosynthons would be developed.
- Another project on recovery of waste plastics from e-waste component and waste rubber from used tyres by an eco-friendly process was also supported. The project focuses on the recovery of waste plastics from e-waste, and rubber waste from used tyres and its utilization for road laying applications. The project has useful applications.
- Another project on microwave assisted synthesis of super absorbent biopolymeric nanocomposites was sanctioned. In this it is proposed to develop microwave assisted superabsorbent nanocomposites from natural biopolymers such as guar gum and chitosan.



EARTH & ATMOSPHERIC SCIENCES

Atmospheric Sciences

During the period under report organized two meetings of the 'Program Advisory Committee on Atmospheric Sciences were organized. . The salient achievements under the programme are as follows:

(i) Atmospheric Dynamics and Modeling

In view of the importance of Cold Point Tropopause (CPT) in Stratosphere and Troposphere Exchange (STE) processes, new criteria for the identification of multiple tropopauses (MTs) in the tropics was proposed using GPS Radio Occultation (RO) data. The study identified MTs as lower tropopause, second tropopause and third tropopause. The characteristics of CPT over Gadanki were found to be higher with small range of seasonal variation compared to other locations. Large diurnal changes in the Tropical Easterly Jet (TEJ) characteristics were observed in addition to day-to-day changes. Based on this observational study, three possible mechanisms for the sub-daily variations are proposed i.e., (1) motion of TEJ core, (2) large updrafts and downdrafts, and (3) strong wave activity. The TEJ peak altitude is seen above the CPT altitude for about 42% of the days. Strong diurnal variation in Convective Available Potential Energy (CAPE) and other thermodynamic parameters was noticed with maximum in the afternoon and minimum in the early morning hours in all the seasons except in winter over Gadanki.

(ii) Space Weather Physics and Dynamics

In a study of nonlinear processes in 'Sun Earth Connection', carried out numerical simulation of coupled equations (Kinetic Alfvén Wave (KAW) and ion acoustic wave) in the solar wind. The nonlinear dynamical equations satisfy the modified Zakharov system of equations by taking the non-adiabatic response of the background density. The ponderomotive nonlinearity was incorporated in the wave dynamics. Localization of magnetic field intensity and the wave number spectra of magnetic fluctuations were studied in solar plasmas around 1 AU. The results reveal the formation of damped localized structures and the steeper spectra that are in good agreement with the observations. These damped structures and steeper turbulent spectra can be responsible for plasma heating and particle acceleration in solar wind.

(iii) Aerosols and Air Quality

Studies on the 'Role of Polycyclic Aromatic Hydrocarbons (PAH), Volatile Organic Compounds (VOC) and Ammonia in aqueous phase atmospheric autoxidation of Sulfur dioxide' indicate that (a) Atmospheric aqueous conditions, when rainwater pH is more than 7.0, as in many rain events in Western India, ammonia will work as an inhibitor of oxidation of dissolved sulfur dioxide even when metal ions are present, (b) Majority of VOCs would inhibit dissolved SO₂ oxidation in rainwater, but there would be few without any effect, and (c) Diesel exhaust particles would act as catalyst for atmospheric aqueous phase SO₂ oxidation.

The average concentration of ambient NH₃ is recorded as 20.9 ± 1.6 ppb with a range of 1.84 – 44.00 ppb over Delhi (NCR). The diurnal, seasonal and annual variability of ambient NH₃, NO,

NO_2 and SO_2 were also studied at Delhi. The correlation of ambient NH_3 with other trace gases, fine particles and meteorological parameters indicates its role in the formation of secondary aerosol over NCR. The average experimental emission factor of ambient NH_3 was estimated as $96.7 \text{ g NH}_3\text{-N kg}^{-1}\text{-N ha}^{-1}$ for wheat crop, whereas $82.9 \text{ g NH}_3\text{-N kg}^{-1}\text{-N ha}^{-1}$ for rice crop. The major sources of ambient NH_3 over NCR are observed as road side traffic, agricultural activities including livestock and industries, etc.

(iv) Agrometeorology

Field experiments to study the effect of water deficit at various growth stages on growth, development and yield in Bt Cotton hybrids at Dharwad indicated that fully irrigated cotton recorded 12 to 19.9 % higher yield compared to rainfed crop. There was no significant difference among the genotypes for yield and yield components except boll weight. Among the biophysical parameters fully irrigated treatment recorded 4% higher photosynthetic rate, 7% higher CO_2 conductance, 11% higher transpiration rate over other treatments of lesser moisture regimes. Experiments on simulated effect of sucking pests at different growth stages on growth and yield of Cotton hybridsshow that there is reduction of yield to an extent of 24.3% if sucking pests are not controlled by pesticides all through the crop growth. Further, non application of pesticide for sucking pests between 60-110 days has recorded next highest reduction in yield showing its sensitivity compared to other growth stages.

Earth Sciences

During the year of report, various multidisciplinary projects related to earth sciences have been supported to different universities and institutions.

The following is the gist of the projects that were supported under the programme.

- In a project sanctioned to IIT. Kharagpur, It has been reported in that the Sausar Mobile Belt is polycyclic and records two distinct orogenic events at 1.62-1.42 Ga and 1.06-0.94 Ga. The southern Bhandara Balaghat Granulite (BBG) domain records only the Latest Paleoproterozoic to Early Mesoproterozoic orogeny, with peak, lower crustal, ultra-high temperature metamorphism (along a CCW P-T path) being dated at 1.6 Ga. The central and northern Ramakana-Katangi Granulite (RKG) domains additionally show evidence for a Grenville-aged, continent-continent collisional orogenic event, which reworked 1.62 Ga crust. Zircon Hf isotopic data confirm the previous predictions that the Central Indian Shear/Suture (CIS) marks a Proterozoic suture, but revises its location at the boundary between the BBG and central domains. These new chronological and metamorphic constraints suggest two stage amalgamations along the Central Indian Tectonic Zone (CITZ) to produce the Greater India Landmass: (a) Between 1.57 and 1.42 Ga that sutured arc (cf. Tirodi biotite gneiss units of the central and RKG domains) and back-arc (cf. BBG domain) systems along the CIS and (b) between 1.06 and 0.94 Ga that led to the closure of the Sausar basin of the central domain. Correlations of petrological and geochronological data from the adjoining Proterozoic mobile belts of the CITZ provide strong support of two stage amalgamation model for the growth of the Greater Indian Landmass.



- It has been reported by M.S.University, Vadodara that the Middle Jurassic, Bajocian-Callovian, sequence of the Patcham Island, Kachchh, comprises dominantly of mixed siliciclastic-carbonate sediments and display transgressive-regressive cycles recording changes in the relative sea level condition (Figure 11) . These mixed siliciclastic carbonate sediments show a wide variation in composition and represents six sedimentary facies namely, micritic sandstone,



Fig-11: The flooding surface (FS)-III marking top of TST-III of TRC-III in Goradongar Formation, Goradongar Hill range, Patcham Island.

allochemic sandstone, sandy allochemic limestone, sandy micrite, muddy micrite, and micritic mudrock along with the grey shale, allochemic limestone and ferruginous sandstone facies. These sedimentary facies are bioturbated and consist of 65 ichnospecies belonging to 42 ichnogenera which recur in the sequence and can be grouped into environmentally related traces that display nine trace fossil assemblages viz., *Arenicolites*, *Asterosoma*, *Gyrochorte*, *Ophiomorpha*, *Planolites/Palaeophycus*, *Phycodes*, *Rhizocorallium*, *Skolithos* and *Thalassinoides*. The sedimentary units (packages) coupled with ichnoassemblages reveal three transgressive system tracts and four regressive system tracts separated by flooding surfaces representing 3rd order transgressive-regressive (T-R) cycles bounded by regressive surfaces. The T-R cycles of the sequence at Patcham island represents the flooding surfaces marked by the presence of the *Rhizocorallium* ichnoassemblage (TRC-II) and *Arenicolites*, *Thalassinoides* with *Planolites-Palaeophycus* assemblages (TRC-III), while the regressive surfaces are marked by *Skolithos* assemblage with the *Planolites-Palaeophycus* assemblage (TRC-I), *Arenicolites* assemblage (TRC-II) and *Planolites-Palaeophycus* assemblage (TRC-III). These soft ground ichnoassemblages mark the *Skolithos*, *Cruziana* and mixed *Skolithos-Cruziana* ichnofacies

conditions developed in progradational and retrogradational sequences within the shoreface-offshore settings. The sedimentological and ichnological evidences have helped in recognition of the internal organization of the sequence in absence of significant physical expressions of discontinuity surfaces at the T-R cycle scale of the sediments of Patcham Island, Kachchh.

Himalayan Glaciology Programme

The Himalayan Glaciology program deals with the structure and properties of glaciers, their formation and distribution, the dynamics of ice flow, and the interactions of ice accumulations with prevailing local weather conditions and regional climate forcings. Long-term observations at nine (9) identified glaciers under different climatic settings are in progress. The summary results of snout and annual specific mass balance at Dokriani and Chorabari Glaciers is presented in Figure-12.

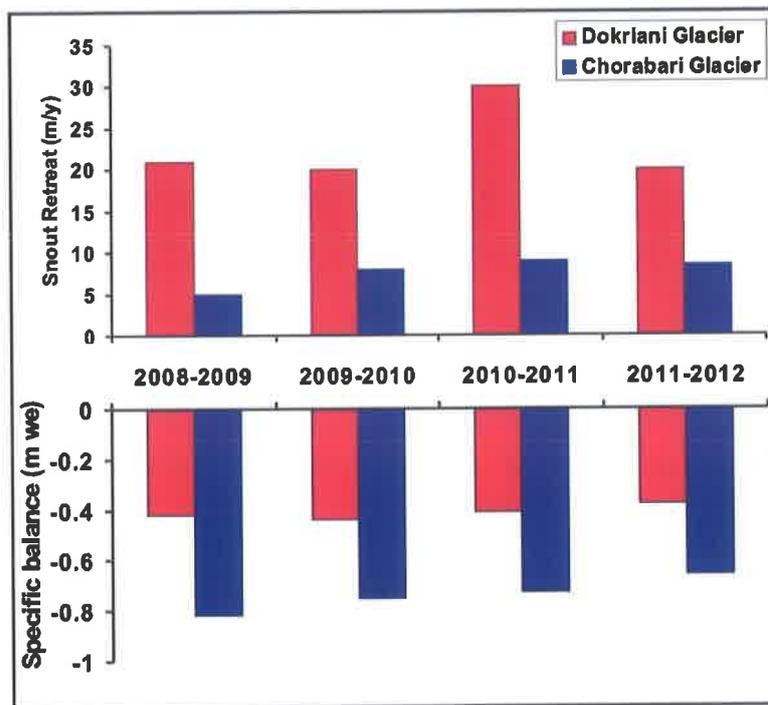


Figure-12 : Comparison of between Specific Mass Balance and Snout Retreat at Dokriani and Chorabari Glaciers in the Indian Himalaya.

As part of human capacity building, organized two training programs to a total of 32 young scientists on field measurements at Hamta Glacier and application of remote sensing technologies for Glaciology. During the period under report few projects have been evolved and supported to investigate the snow cover fluctuations, geomorphological features, paleo-geographic reconstruction, glacier dynamics, snow pack characterization, snow melt runoff, mass and energy balance at the glaciers using in-situ measurements, laboratory analysis and remote sensing techniques. The Glaciers under observational studies include Dunagiri, East Rathong, Gangotri, Chhota Shigri, Naradu, Satopanth, Pastio, Penslunga, Nehnar, Phuque, Dokriani, Chorabari and Hamta Glaciers covering from northwest to northeastern parts of Indian Himalaya. The snout of Gangotri Glacier during the end of October 2011 is shown in figure-13.



Figure-13: Snout position of the Gangotri Glacier at Gomukh as on 30 October 2011.

Two technical reports on (1) Dynamics of Glaciers in the Indian Himalaya and (2) Status Report on the Gangotri Glacier have been published. These reports present synthesis of various study results and identified the thrust areas for further investigation.

ENGINEERING SCIENCES

Chemical Engineering

Chemical Engineering Programme (CEP) continues to achieve the best of both productivity and excellence in exciting frontline areas, involving quality fundamental research. During the current year, 84 new research proposals have been considered, out of which 21 proposals including one major project were sanctioned. 5 PAC/Review meetings were conducted to evaluate new project proposals and monitor the progress of ongoing/completed projects. Facilitation and support of R&D work in laboratories and institutions have resulted in more than 200 publications of high quality in national and international peer reviewed journals and conferences.

Few highlights of the output generated from a basket of about 150 ongoing projects are presented underneath.

- An integrated, state-of-the-art, imaging facility comprising of STED, Fluorescence and Confocal microscopy has been established. Two types of supported lipid bilayers have been constructed, directly on the metallic support and also on a PEG cushion. Recombinant Cytolysin A has been prepared, as well as two shorter variants (1-293 and 1-291). The recombinant proteins have been purified to near homogeneity. The toxins have been characterized on an in vitro haemolysis system using rabbit erythrocyte. A model has been proposed for pore formation in the supported bilayer where the Cytolysin A present in the bulk solution, from which there is adsorption of single molecules to the bilayer, a

conformational change of the single molecule is followed by oligomerisation, ultimately forming a pore as a decamer.

- Developed a kinetic model and reactor model for SRE in microreactors & understand the effect of different process variables, testing the activity, selectivity and stability of different catalysts and also through the processes that control the orientations of the receptor molecules on silicon surfaces, pressure drop studied in functionalized channels and texturing of growing nano/meso particles. Flow set up for high speed videography of liquid – air interface have been completed and used to collect dynamic contact angle information, comparison with literature data and single phase flow field studies. Innovated a design for large scale manufacturability of EIS devices and method for enhancing their sensitivity.
- Fabricated a low cost coaxial microfluidic device using micropipette puller, PDMS & glan capillaries. Developed a static diffusion method of liposome synthesis where liposome size is function of bilayer composition & temperature of system. Demonstrated that one-pass extrusion of GUVs through PC membrane at a definite upstream pressure results into desired smaller unilamellar vesicles without any repetitive passes & thus reducing the loss of lipid & costly encapsulated moiety and developed a method for Osmotic Lysis of Vesicles, to produce uniform tension throughout membrane, and used to determine vesicle rupture tension.
- Developed a suitable catalyst Cobalt-Molybdenum supported on zeolite (15%Co-5%Mo-MCM-22) for conversion of syngas to diesel range of hydrocarbons. Catalyst performed higher selectivity towards C_5+ range of hydrocarbons upon $(55 \pm 3 \%)$ syngas conversion. Addition of 5%Mo helped in lower the deactivation, lower the coke and wax formation. Also, the performance of the catalysts Fe-Co/SiO₂ was evaluated in BTRS at different T = 200 - 275 °C, P = 12 - 30 bar, and GHSV (400 - 2300 ml_{syngas}/gm_{catalyst}*hr). The stability and effect of CO-hydrogenation study for both the Fe-Co/SiO₂ and Rh-Fe-Co/SiO₂ catalyst has a significant consequence with more than % CO conversion and $> 68 \pm 5 \%$ liquid yield ($C_5+ - C_{20}+$). The deactivation study for both of the catalyst is under progress.
- Synthesized Activated Carbon Spheres (ACS) and carbon micro-nano particles derived from nickel (Ni)-doped phenolic beads (~0.8 mm) as efficient adsorbents for vitamin B-12 (VB₁₂). The adsorption loading of VB₁₂ on the adsorbents was determined to be ~300 mg/g, corresponding to an aqueous phase concentration of 500 ppm, which is comparable to or larger than the literature data. The method of in-situ synthesis of metal incorporated carbon micro-nano adsorbents and their use in a micro-column under the flow conditions has much potential for bio- and pharmaceutical separation and purification applications.
- Several organophilic membranes are being synthesized from glassy polymer like PVC, copolymer of vinyl pyridine and acrylonitrile and also several blend polymer by taking various compositions of the constituent polymers. These homo, copolymer, blend membranes and rubber membranes are filled with inorganic bentonite (both micro and nano size) and nano size N330 carbon black fillers to produce several mixed matrix



pervaporation membranes. These inorganic-organic hybrid membranes are characterized with SEM, XRD, AFM, FTIR and used for removal of trace of organic from water as per proposed project i.e. removal of low concentration of pyridine from water using filled natural rubber membrane, separation of benzene-cyclohexane mixtures using blend membranes and separation of VOCs like THF from water using filled PVC membranes.

Electrical, Electronics and Computer Engineering

Over the last nine years, Electrical, Electronics and Computer Engineering Programme has evolved into a front runner in terms of efficiency, productivity and responsiveness. There had been a significant increase in volumes (both numbers as well as funding). Contemporary areas and sub-areas of national as well as global relevance were identified to guide potential researchers in the Electrical, Electronics and Computer Engineering community.

During the current year, 197 new research proposals have been considered, out of which 27 proposals including one major project were sanctioned. 7 PAC/Review meetings were conducted to evaluate new project proposals and monitor the progress of ongoing/completed projects. Facilitation and support of R&D work in laboratories and institutions have resulted in more than 200 publications of high quality in national and international peer reviewed journals and conferences.

Few highlights of the output generated from a basket of about 200 ongoing projects are presented underneath.

- A Six Rack Real Time Digital Simulator (RTDS) system, which is a unique & most versatile facility in any academic institution in the country has been established and made fully operational. A short term course and a workshop have been organized so far to demonstrate the RTDS facility to about 140 participants from academics, utilities and industries. Established Synchrophasor based Wide Area Monitoring System (WAMS) set up, integrating the RTDS with Phasor Measurement Units (PMUs), Phasor Data Concentrator (PDC) and GPS receiver. WAMS applications have been successfully demonstrated on RTDS for two specific applications namely, Real-Time Voltage Stability Monitoring and Wide Area Robust Control Design.
- Developed a computational, biophysical model of neuron-astrocyte-vessel interaction. Unlike other cells, neurons convey “hunger” signals to the vascular network via an intervening layer of glial cells (astrocytes); vessels dilate and release glucose which fuels neuronal firing. Existing computational models focus on only parts of this loop (neuron→astrocyte→vessel→neuron), whereas this model describes the entire loop. Most models of cerebral circulation describe neurovascular interactions exclusively in the “forward” neuron→vessel direction. This model indicates possibility of “reverse” influence also, with vasomotion rhythms influencing neural firing patterns.
- Derived exact expressions for the outage of two-way links and used to develop understanding on the power distribution and relay location. Evolved outage optimal relay

selection schemes and analyzed their exact performance. Simple schemes based on the channel gains were derived and shown to be near optimal at high SNR. Developed important insights on power allocation and relay location.

- Designed and fabricated an antenna to receive radiation over a wide range of frequencies. These frequencies cover FM, TV, GSM900/1800 and WLAN. Also developed a multi-band matching network design technique. Formulated a method for moving packets of energy as charge onto a battery & designed an integrated circuit for power management – the DC-DC converter in our power management IC can operate from a DC input power level as low as 300nW, and can up-convert the voltage to 1.8Volts. The power management IC can recharge a battery from this up-converted voltage. The DC-DC converter tracks the source resistance, and mimics the source resistance for maximum power transfer.
- Demonstrated a spin-based memory device and spin injection, transport and detection in III-V GaAs semiconductor. Predicted geometrical component of output circular polarization in a spin-LED.
- Developed a method to optimize the real power injected by the UPQC during sag mitigation through PSO. The proposed method of real power injection minimization of UPQC during the mitigation of voltage sag with phase-jumps is more economical since the amount of energy storage required maintaining the DC-link is reduced. And also a method is proposed to reduce the DC-link voltage of DSTATACOM through a AC capacitor connected in series to the shunt active filter. This leads to less average switching frequency, less THDs in the source currents and terminal voltages with reduced DC-link voltage as compared to the conventional DSTATCOM topology. The method to reduced DC-link voltage is also extended to UPQC.
- Developed a 250 W converter based bidirectional optimal battery charger in the analog domain. The charger is capable of charging battery of any given voltage rating with its optimum charging current requirement. The novelty of the charger is that it can facilitate smooth and stable transition from constant current (CC) to constant voltage (CV) without the need of any extra switch or control loop in case of a CC-CV charging of a battery. The charger remains in feedback control during the whole charging process of a battery, i.e. in CC mode, in CV mode and even during the transition from CC to CV. The charger is versatile in nature, i.e., it is capable of adapting to all the existing optimal battery charging techniques such as CC-CV charging (two mode charging), pulse charging and reflex charging. The developed bidirectional battery charger shows maximum efficiencies of 92.7 % under buck mode and 90.24 % under boost mode of operation. The performance of the charger is also tested on two different 12 V-7 Ah and 12 V-32 Ah lead acid batteries as well.



Materials, Mining and Mineral Engineering

During the year, support to both basic and applied research was continued. 29 new research efforts have been initiated / identified for support and another 39 are under evaluation.

Highlights of results accruing from research efforts initiated during preceding year:

- A Few classes of Gel Polymer electrolytes were prepared using Vinylidene fluoride-Hexafluoropropylene (PVDF-HFP), a promising candidate for enhancing the performance of Lithium Batteries at B.S. Abdur Rahman Crescent Engineering College, Chennai. Three methods of chemical modification such as Sulphonation, Acrylate modification and Grafting of tertiary butyl acrylamide (tBA) using Atom Transfer Radical Polymerization (ATRP) was done on PVDF-HFP. The PVDF-HFP microporous electrolytes show improved performance for lithium polymer battery application. The starting materials PVDF-HFP and PEO-PU have improved ionic conductivity and good thermal stability compared to that of virgin materials and the newly developed micro-porous fibre produced from modified PVdF-HFP and PEO-PU blend system will be a better candidate for lithium polymer batteries.
- Detailed studies on deformation behavior of carbon nanotube filled polymer nanocomposites based on crack propagation kinetics and strain field analysis approach were carried out at IIT, Delhi. A new pathway to design toughened nanocomposites by controlling crack blunting mechanism could be achieved via tacticity doping/modification. J-controlled crack growth regimes leading to substantial enhancement in resistance to stable crack propagation and could be identified in the Multi walled nano tube (MWNT) loading range of 0.5-1.0 wt.-%. Interface-modification by added polarity across MWBT/PP has caused deterioration of fracture properties i.e. attributed to agglomeration induced faster crack growth phenomena. A direct correspondence between and Elastic Plastic Fracture Mechanics (EPFM) based fracture parameters could be established reiterating the fundamental relevance of conventional principles of fracture mechanics to nano-filled thermoplastics.
- Dye sensitization of wide band gap n-type semiconductors (TiO_2 , SnO_2 etc.) is rapidly expanding field with a new realization of their potential application. A new organotin dye, N,N'-bis(2,5-ditertiarybutylphenyl) 1,6,7,12-tetra(trichloro)tin perylene-3,4,9,10-tetracarboxbisimide has been synthesized and characterized by elemental analysis, IR and heteronuclear NMR spectroscopy at NIT, Allahabad. To prepare photovoltaic cell, film of TiO_2 was made on a conducting fluorine doped tin dioxide glass electrode by spin coating.
- Efforts were made to develop a super capacitor using carbon material synthesized from plant based precursor at Dombivil's Model College, Thane, Maharashtra. A pyrolysis unit in the form of Chemical Vapour Deposition (CVD) Furnace was set up. Various plant precursors like Coconut shell, Walnut shell, Sugarcane bagasse, Pine tree fruits, Pine

tree leaves, Ice apple shoot bark, Lemon grass, Pista shell, Groundnut shell were used to prepare carbon materials. A finely divided Co metal catalyst, synthesized by decomposition of Cobalt nitrate in the presence of urea supported the abundant growth of CNTs during pyrolysis of Turpentine vapors. The specific capacitance of Turpentine oil was found to be 40 F/gm and activated carbon derived from Cocount Shell showed the comparatively high specific capacitance 145.50 F/gm.

- Detailed study on the mechanical characteristics of Nanometals was carried out at IISc, Bangalore. Experiments on nano-Ni and Ni-P at relatively low temperature revealed that the material was superplastic with a maximum strain rate sensitivity of ~ 0.8 ; the experimental data were attributed to interface controlled diffusion creep. Superplasticity cannot be attributed to the presence of S. Microstructural evolution in electrodeposited nano-Ni-P was also studied; it was observed that a metastable single phase material was present up to grain size of ~ 50 nm. Thermal treatment of electrodeposited nano-Ni-P revealed that the material retained a nanocrystalline grain size up to ~ 50 nm, with a metastable single phase microstructure.
- A detailed study on development of Calcium Sulfate based injectable Bone Substitute was carried out at Sree Chitra Tirunal Institute for Medical Sciences & Technology, Thiruvananthapuram. It was found that making calcium sulfate cement was the initial part of designing an injectable bone substitute (IBS), in which calcium sulfate hemihydrate (Plaster of Paris) was the main ingredient. The wetting medium used was distilled water. The wetting ratio was found to be 0.6 ml for 1 gram of the powder. The effect of particle size of cement on the strength of set mass was studied. The value for the range 45-75 μ was 14.2 MPa. The second step in arriving to the composition of IBS was to choose bioactive fillers and optimize their ratios. Two bioactive and resorbable materials fine powder form were used as additives-calcium phosphate (hydroxyapatite) ceramics and bioactive calcium phosphor-silicate glass. The ideal filler ratio was fixed to 30%. This composition gave a setting time just above 8 minutes and a mean compressive strength around 11 MPa. Further, the work of Bio-compatibility and Bioactivity of IBS formulation is under progress.

Mechanical & Manufacturing Engineering & Robotics

Some of the approved proposals are in the topical areas such as development of thermal spray coatings to control wear; understanding material removal mechanisms in advanced composites; interfacial elastic waves and frictional slip inabilities; improvement of surface characteristics of magnesium alloys through cryogenic machining; heat transfer study of gas flow in microchannel; temperature control of electronic components using PCM based heat sink; passive cooling system and robust control of robotic manipulator.

Some of the salient outputs are mentioned below:-

- In a project on process development and modeling of novel variants for micro machining, the PI from IIT Bombay investigated dry electric discharge machining (Dry-EDM) and reverse micro EDM processes for optimizing the process parameters of the dry EDM



machine for better dimension accuracy and higher erosion rate. Similar optimization of process parameters were also carried out for reverse micro EDM for better accuracy and affect of inert medium on the work piece. He has also developed some novel applications of reverse micro EDM for achieving hydrophobic and hemo-compatible textured surface.

- In another project at Dayalbagh Educational Institute, Agra the PI carried out modeling and experimental studies of Equal Channel Angular Process (ECAP) and the plastic deformation that happens therein. Through the experiments he concluded that the value of equivalent strain obtained in the process specimen shows a close dependency on the ECAP die geometry and the die and billet interface friction along with dressing velocity. He has designed a new improved ECAP process which opens up possibility of continuous processing of long billets.
- In a project at IIT-Kanpur that was aimed to develop algorithms, the PI developed computationally efficient and accurate design optimization methodologies incorporating uncertainties associated with practice and has made it available through a generic computer code for researchers and designers by hosting it on IIT-Kanpur website. He also demonstrated the use of the state-of-art computing platform developed by them with efficient optimization algorithms for solving practical design problems.
- Under a project at NIT-Tiruchirapalli that is aimed to evaluate overall environmental impact of a product life cycle starting from extraction of natural resources to its final disposal at end-of-life, the PI has developed a cost-efficient model, integrating production and environmental costs as well as the technical status of an old part/ product for re-use. The work done included sustainability concepts in early product design stage and found the sustainability index to be an indicator of greenness or environmental friendliness of organizations. The PAC had rated the work as very good and useful to the product design industry.

Civil & Environmental Engineering

The broad areas in which the proposals have been supported include Dynamic instability of elastic structural elements under deterministic loading; Understanding physics of Microwave assisted chemical modification of wood process; liners for hazardous waste facilities; Reducing damages in vertical slip form construction; Innovative Ductile Composite Materials for masonry structures and Corrosion detection by US and AE techniques.

Some of the salient outputs are mentioned below:-

- In a project on vacuum consolidation on soft clay deposit, the PI from IIT-Chennai validated his theoretical studies on the fundamental soil properties by carrying out experiments thereby defining the critical parameters to be used during soft clay construction. The output from the project will be used by an Indian Construction sector firm that had shown interest in the process developed.

- In one project in the area of hydraulics the PI from NIT-Sichar studied the scour material along the river bank for its effectiveness. He had performed further experiments to study the erosion parameters and has evolved counter measures for river banks erosion. The output from this project has been rated as very good.
- In a project the PI from SVNIT-Surat studied the non-uniform uni-modal and the bi-modal segments theoretically and had experimentally validated his results.
- In a project that has been completed at IISC Bangalore the PI developed a compressive crack property model by using first principle for plain and reinforces concrete. The model accounts for size affect in concrete, bone affect, fracture and elastic properties and the investigator has done sensitive studies for size and crack. The law proposed by them is useful for residual strength prediction in plain and reinforce concrete numbers.

Cell Tower Radiation

The Board has been directed to undertake a study to assess the impact of cell tower radiation on human health and other life systems in collaboration with other departments and agencies such as DeiT, and ICMR etc. The objective was to investigate the effect of cell tower radiation and come up with results which will help in deriving country specific emission norms for cell tower radiation. The discussions were held with stakeholders to formulate the plan of study.

LIFE SCIENCES

Animal Sciences

During the year about seventy new projects were launched to promote basic research in organismal biology. Capacity building activities such as SERB schools in chronobiology and neurosciences were organized to generate quality research manpower and to facilitate value addition to R&D proposals. A programme for promotion of research on wild life biology and conservation has been launched. Action has been initiated for organizing training and intraction meeting in helminthology. Two new R&D schemes launched under the programme include, (i) 'Intensification of basic research in bird biology'; and (ii) 'Strengthening of faunal research in North East India'. More than a dozen projects have been launched under each of these schemes.

Some of the highlights are as follows:-

- Studies on the regulation of adult neural stem cells by thyroid hormone indicated that thyroid hormone accelerates the differentiation of adult hippocampal progenitors and also regulates the expression of Sonic Hedgehog Signaling pathway in the embryonic and adult mammalian brain. Loss of thyroid hormone receptor beta was found to be associated with increased progenitor proliferation and neuroD positive cell number in the adult hippocampus. The study also reveled that unliganded thyroid hormone receptor alpha-1 impairs adult hippocampal neurogenesis.



- The study of social parasitism in Himalayan ants and their specialization pattern resulted in the discovery of three new species of ants namely: *Myrmica longisculpta*, *Myrmica rodchenkoi*, *Myrmica adrijae*.
- The investigation of implication of nitric oxide (NO) in hyperammonemic neurotoxicity revealed that the moderate grade of hyaluronic acid (HA) causes significant increase in NO production which is consistent with the concordant increase in expression of all the three nitric oxide synthase (NOS) isoforms (n-NOS, i-NOS & e-NOS) and NOS activity in the cortex and cerebellar slices.
- Studies on taxonomic revision of Indian *Arctiidae* (*Lepidopera*) led to collection of 353 species of noctuids and making a total 512 species in the collections. These have been identified as belonging to six subfamilies *Lithosiinae*, *Arctiinae* and *Ctenuchidae* and it has been concluded that the *Lithosiinae* is the most abundant and diverse. These studies have led to the description of many species new to science.
- The investigation of functional analysis of ecdysone regulated ecdysone receptor and dronc genes in malpighian tubules of *Drosophila melanogaster* indicated that ecdysone plays an important role in the proper development and function of malpighian tubules.

Biophysics, Biochemistry and Molecular Biology

35 research projects have been supported. Some interesting results from ongoing projects are given below:

- Glutathione an unusual γ -glutriptide, functions as main redox buffer in the cell. Glutathione plays numerous roles within the cell. Metabolism of glutathione occurs via the γ -glutamyl cycle, a six enzyme pathway responsible for synthesis and degradation of glutathione. Two of the enzymes in the pathway have not been detected in yeasts, and it was thought that yeasts possess a truncated gamma-glutamyl cycle. However, the investigator was able to show that yeasts possess both an oxoprolinase and a α -glutamylcyclotransferase.
- The oxoprolinase of yeast was identified and characterized and a novel ATP binding motif also identified. The second enzyme, Y-GCT, an essential enzyme of the α -glutamyl cycle, catalyzes the formation of 5-oxoproline from α -glutamyl-amino acids. It has been shown that Yer163cp, an uncharacterized protein from yeast *Sachharomyces cerevisiae*, encodes a functional Y-GCT. The protein contains BtrG/Y-GCT fold that was found in Y-GCT and Y-GACT. Homologues of this protein are present in all phyla of living beings and form the fourth family of this fold. Investigators found that mammalian homologues of this protein, ChaC1, shown to function as proapoptotic factor also function as Y-GCT
- 3-Deoxy-D-arabino-heptulosonate-7-phosphate synthase (DAHP synthase) is the first and regulatory enzyme of shikimate pathway. The recombinant DAHP synthase from *Arabidopsis thaliana* has been biochemically characterized and crystallized for structure

elucidation. The enzyme exists in dimeric state in solution. The CD spectra analysis revealed that the enzyme possesses 33.5 % α -helix and 11.92 % β -sheet that correspond to secondary structure content of a homology model possessing TIM barrel (Figure-14).

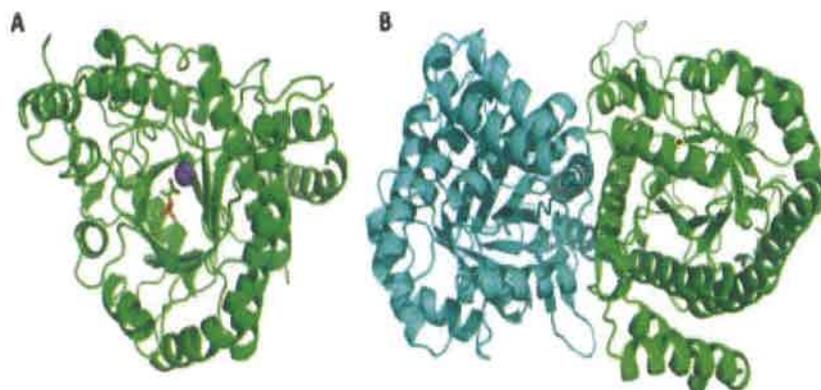


Figure 14: (A) Molecular model of DAHP synthase from *Arabidopsis thaliana* showing active site with substrate PEP (sticks) and cofactor Mn (sphere). (B) Dimeric model of DAHP synthase generated by Modeller9v8 using DAHP synthase from *Mycobacterium tuberculosis* (2B70) as template.

The enzyme shows optimum activity at 35°C and pH 7.4. The crystals of DAHP synthase were grown by sitting-drop vapour diffusion method after eight months and diffracted to 2.2Å at home station (Figure 15).

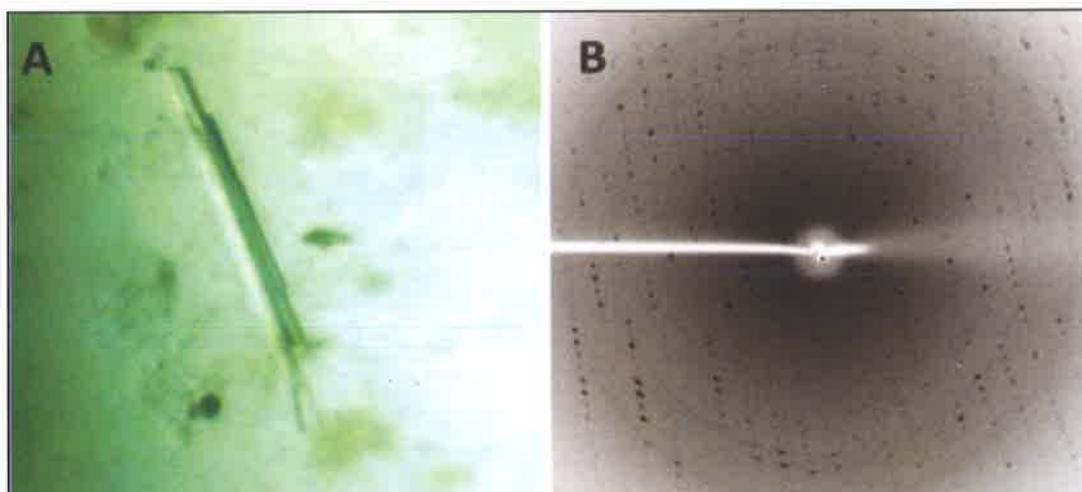


Figure 15: (A) Crystals of DAHP synthase from *Arabidopsis thaliana* grew after eight months in buffer containing 100mM PIPES (pH 6.0) and 16% PEG 8000. (B) Diffraction pattern of DAHP synthase crystal at 2.2Å



Health Sciences

In an endeavor to augment R&D activities in Health Sector, SERB continued its effort and initiated various programmes in emerging and frontline areas of Medical Sciences. 55 new projects were sanctioned.

Some interesting results obtained from some of the projects are given below:

- Genetic alterations in cervical cancer by Genome wide LOH and copy number analysis using SNP arrays data revealed, a set of 24 novel, nonsynonymous and somatic variations which included important candidates such as CD97, YWHAH and CD52. These somatic SNVs might help in understanding the mutational landscape of cervical cancer. From the exome sequencing study, a number of novel SNPs which are unique to Indian population have been found and have not been reported in the SNP database. Exome sequencing is being done for the first time in cervical cancer from Indian patients.
- Since, endoplasmic reticulum (ER) stress has been proposed as a major molecular pathway to induce α -cell apoptosis, a multitarget RNAi (MTRNAi) molecule has been designed for simultaneous inhibition suppression of four genes (CHOP/ASK1/GADD34/ TRB3) in multiple ER stress pathways and study their effect on cellular processes.
- Metastasis is a complex process facilitated by the action of several genes Metastasis associated 1 (MTA1) gene is one such gene which assists the process of metastasis by regulating several molecular targets. Expression of MTA1 has been shown to be closely correlated with aggressiveness in several types of cancers. Studies show that MTA1 regulates SMAD7, a component of transforming to the nucleus by the Smad family of proteins, which includes smad7 an inhibitory SMAD which acts as a negative regulator of TGF beta. On knockdown of MTAS, SMADT expression increases. MTA1 thus appears to regulate a key inhibitor of TGF beta signaling, SMAD7. By regulating molecules like SMAD7MTA1 might assist the process of tumourigenesis and metastasis.
- An extensive work in 218 families and 247 samples has been done to detect the intron 22 and intron 1 inversion mutation and also small new or known missense mutations in cases with hemophilia. Three novel mutations were found in exon 16 at codon 1803, in exon 4 at codon 138 and exon 24 at 2221 due to conversion of Arg to Lys, Try to Arg and Pro to Serine respectively which has not been previously reported in the FVIII mutation database (HAMSTeRS) and in Factor VIII protein modeling.
- The association of absolute concentration of tCho and tumor volume with hormonal status was evaluated to assess the molecular heterogeneity of breast lesions. The measured tCho levels showed a wide variation in characterizing malignant lesions. The results provide an understanding of the molecular heterogeneity of breast lesions and its relation with the tumor volume and the tCho concentration. Significant differences in tCho concentration, ADC and tumor volume between responders and non-responders were observed at pre-therapy suggesting that MR parameters might be valuable in predicting the tumor response at pre-therapy in LABC locally advanced breast cancer patients.



Plant Sciences

In the area of Plant Sciences several projects have been supported during the year to strengthen basic and application oriented programmes. The support was provided in frontier areas as well as traditional areas such as taxonomy and bio-diversity.

The following are the highlights of ongoing projects:

It has been reported for the first time that the cold inducible expressions of genes for chaperonins *groES* and *groEL* are regulated by CrhR. The results suggest that the CrhR stabilizes the mRNA for *groES* and *groEL* thereby regulating their levels at low temperature.

- In an ongoing project on “High temperature stress response and associated changes in growth and yield of rice (*Oryza sativa* L.)”, the scientists at Indian Agricultural Research Institute have investigated the changes in rice leaf proteome in response to high temperature stress. Plants of high temperature stress tolerant rice cultivar N22 were subjected to temperatures of 28 °C (control) and 42 °C (high temperature stress) at flowering stage.
- To gain insight into evolutionary relationships between *Physcomitrella* and higher plant MTases, phylogenetic analysis was performed. An unrooted phylogenetic tree was generated by neighbor-joining method using total protein sequences from *Physcomitrella patens*, *Arabidopsis thaliana* and *Oryza sativa*. The putative moss MTases cluster with the four known subfamilies of plant methyltransferases forming monophyletic groups. The dicot and monocot genes in each sub group, represented by rice and *Arabidopsis*, appear to have evolved from a common ancestral gene that diverged earlier from the ancestor that gave rise to the moss MET, DRM, CMT and DNMT2. The members in each clade share common protein domains and this is supported by high bootstrap values at each node.
- In one of the ongoing project at IARI, New Delhi on “Isolation and characterization of genes involved in host pathogen interaction of *Bipolaris sorokiniana* infecting wheat”, this is the first report on isolation, characterization and expression of MAP kinases involved in defense response in wheat against *B. sorokiniana*. TaMAPK2, TaMAPK1, TaFLRS and TaDSPK were isolated, cloned and sequenced from wheat genotype Chirya 7.
- Fungi are diverse and the largest group of organisms in number on earth next only to insects. The recent years, however have witnessed discovery of valuable active compounds from fungi which have shown great promise in generating bio-economy by exploring genetic and biochemical diversity captured in natural resources. India accommodates one of the largest biodiversity gene pools of the world, and fungal resources of India are huge. A unique National Facility for Culture Collection of Fungi has been established at Agharkar Research Institute with the overall aims to conserve fungi as genetic resource pools for future research, capacity building in thrust area of taxonomy (HRD) and to provide services in authentication of fungi. National Fungal Culture Collection of India (NFCCI) is an exclusive repository holding strains of different groups of indigenous fungi. This repository is affiliated with the World Federation of Culture



Collection (WFCC). As such the national facility covers repository (NFCCI), services (FIS) and research (R &D).

- In an ongoing project on “Taxonomic Revision on Indian Marantaceae and Musaceae” at Calicut University, collections were made for both herbarium preparation and germplasm conservation. Wild Musa live collection in the Calicut University Botanical garden forms the largest live germplasm in India with two genera, about 35 taxa and more than 130 accessions from all over India. Marantaceae also stand first in the live germ plasm collection with seven genera, 11 species and over 80 accessions. All relevant data of the specimens were stored in the computer as part of the data base on Indian Marantaceae and Musaceae.

MATHEMATICAL SCIENCES

The Mathematical Sciences Programme promotes research in the areas of Mathematics, Statistics, Operations Research and Theoretical Computer Science. During the year support to research was continued in these areas.

Support to Research in Mathematical Sciences:

1. 22 new research projects were supported during the year in the areas including Number Theory, Algebra, Graph theory, Game Theory, Wavelet Analysis, Differential Equations, Mathematical Modeling, Statistics, Reliability, Stochastic Modeling, and Optimization etc.
2. As an outcome of research activities under ongoing projects about 100 research papers have been published in the journals of national and international repute during the year.
3. One group monitoring workshop was held to review the progress of the ongoing projects.

Support to the Centres/ Core Group research facilities:

Support to the following Centres/Core Group research facilities which have been setup to intensify research in various frontline/thrust areas was continued. Highlights of the progress are as follows:

- **National Centre for Advance Research in Discrete Mathematics at Kalasalingam University, Krishnankoil, Tamilnadu-** The focus of research remained in the area of Discrete Mathematics. 6 research scholars are being trained in this area. 15 research papers have been published/accepted in the journals of National and International repute during the year. An International Workshop on Combinatorial Algorithms was organised during July 19-21, 2012. Around 20 participants from outside the country and 80 participants from institutions all over India attended the workshop. The centre continued its Research Oriented Lecture Series in Discrete Mathematics and Theoretical Computer Science and regularly organized one day seminars which are being attended by the research scholars and young faculty members from academic institutions in the region and have a good impact on their research interest.

- **Centre for Interdisciplinary research in Mathematical Sciences (CIMS) at Banaras Hindu University (BHU), Varanasi** – The focus of research remained in the areas of Wavelets and Functional Analysis, Mathematical Modelling, Bayesian Statistics and Stochastic Modelling and Discrete Mathematics. 10 research scholars are being trained in the above areas. 35 research papers have been published/accepted in the journals of national and international repute during the year. 10 workshops/training programme were organized in the areas of Integral Transform, Wavelets, Distribution Theory, High Performance Computing, Geometry and SPSS. These were attended by research students from all part of the country. Leading researchers from U.S.A Canada, South Korea Finland and from abroad and University of Pune, IIT Patna, BIT Ranchi, TIFR Mumbai and Punjab University, Chandigarh visited the centre and gave a series of lectures benefitting the research workers at the Centre.
- **Centre for Mathematical Biology at Indian Institute of Science, Bangalore-** The focus of the research remained in areas of Mathematical and Computational Neurosciences, Mathematical Genomics and Proteomics and Mechanics of Cells and Tissues. 3 research scholars are being trained in the above areas. 10 research papers have been published/accepted in the journals of national and international repute during the year. Some of the work carried out/completed during the year includes: Design of a new software proteinvis for geometric representations for visual analysis of biomolecules; Development of a new algorithm AlignHUSH for HMM-HMM alignment which is capable of recognizing distantly related domain families; Development of algorithms for solving two inverse problems in elastic mechanics: one for sensing forces felt by biological cells during their manipulation and another for estimation of interior properties from boundary force displacement data; Analysis of a genome scale protein-protein interaction network in Mycobacterium Tuberculosis to identify potential pathways to drug resistance; Investigation of spiral and scroll wave dynamics in mathematical models for cardiac tissues. A workshop on 'Modelling electrical activity in physiological systems' was also held.
- **Centre for Mathematical Sciences at CR Rao Advanced Institute of Mathematics, Statistics and Computer science, Hyderabad-** The focus of research remained in the areas of discrete mathematics, graph and digraph theory, bio-informatics, cryptography, combinatorics, Bayesian analysis, design of experiments, theoretical computer science, signal processing, analysis of algorithms and complexity, financial mathematics. 10 research scholars are being trained in the above areas. 25 research papers and book chapters have been published/accepted in the journals of national and international repute during the year. Two research level books and one proceedings of international workshop on Graph Theory were published. Two workshops on Computational intelligence initiative in translational research of diabetic cognitive dysfunction and on Rough sets and knowledge engineering were organized. Leading researchers from USA, Japan and Indian institutes gave series of lectures at the Centre benefitting the researchers working. Prof. Rudolf A Marcus, Nobel Laureate in chemistry delivered a lecture on "Electron Transfer Theory in Chemistry and its Applications to Solar Energy Conversion".



PHYSICAL SCIENCES

The research projects and programmes supported under Physical Sciences covered a wide range of emerging areas.

Condensed Matter Physics and Materials Science :

Several interesting results were reported from ongoing projects.

- Optimization of various unit processes involved in the fabrication of III-nitride based devices was achieved. Ohmic contact resistance of $2.4 \times 10^{-2} \Omega\text{-cm}^2$ on p-GaN and $5 \times 10^{-5} \Omega\text{-cm}^2$ on n-GaN was achieved. Ohmic contact on n-GaN had been tested for its thermal stability and immunity to oxidation. Etch rate of about 100nm/min was achieved on GaN using Inductively Coupled Plasma. LEDs emitting at 460nm and 410nm were fabricated to demonstrate the application of these unit processes (Figure 16).

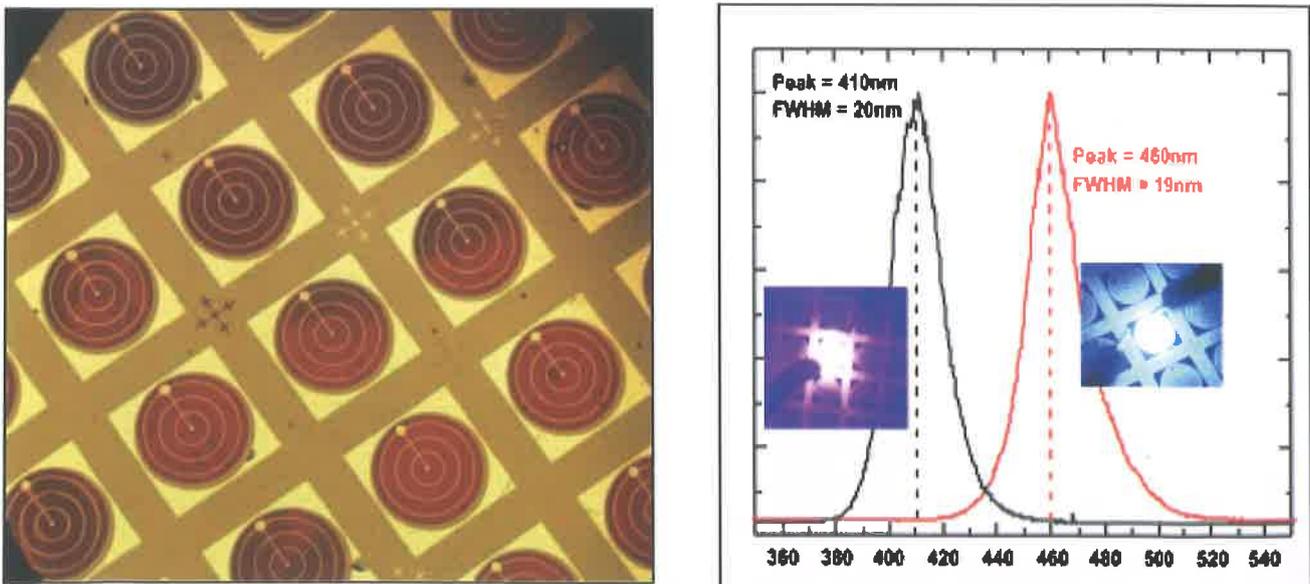


Figure 16

- An emerging class of electronic material, namely the atomically thin semiconductor membranes were investigated in another project. Single atomic or molecular layers of different layered materials such as Graphene and molybdenum di-sulphide, and fabricated field-effect transistors with high-resolution electron beam lithography were realized.

Electrical transport experiments had not only helped in characterizing these new ultra-miniaturized devices for application in next generation electronics, but also led to several fundamental discoveries. Among these the microscopic origin of flicker noise in ultra-thin semiconductors, and valley-hybridization in graphene are particularly noteworthy {fig.17} Device architecture and density-dependent conductivity fluctuations in single and double-layer graphene field effect transistors was investigated. The variation in fluctuations is

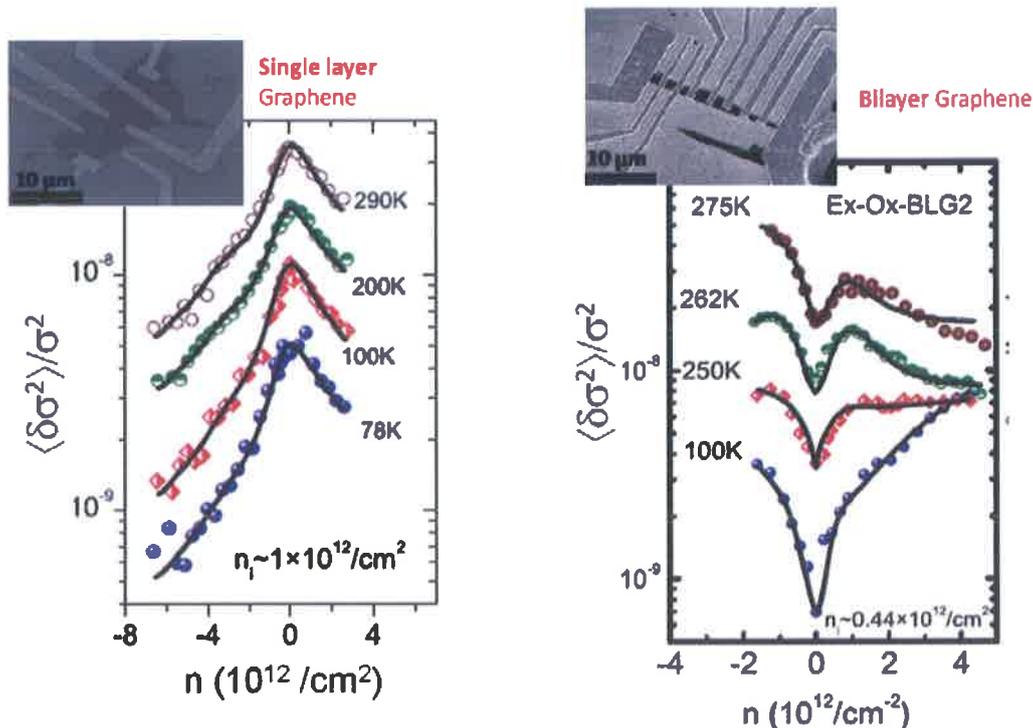


Figure 17: Device architecture and density-dependent conductivity fluctuations in single (left) and double (right)-layer graphene field effect transistors.

opposite in the two cases because of the difference in the energy dispersion relation in the single and double-layer graphene. A comprehensive charge fluctuation models was developed to address the noise magnitude

- In another ongoing project, a low temperature and high magnetic field vibrating sample magnetometer (VSM) (Fig.18) was established to investigate magnetic properties of selected novel materials such as ferromagnetic shape memory alloys (FSMAs), colossal magnetoresistance (CMR) materials, nanocrystalline soft magnetic materials, magnetic biomaterials and magnetic thin films as a function of magnetic field strength and temperature. Investigations performed using the equipment and consumable funds yielded the following achievements: (i) Ni-Mn-Ga and Ni-Mn-Sn FSMAs exhibiting high magnetocaloric effect for use as magnetic refrigerants. (ii) Nature of magnetism and CMR of $(\text{La}_{0.85}\text{Ag}_{0.15})\text{Mn}_{1-y}(\text{Co/Cr/Al})_y\text{O}_3$ and $\text{Nd}_{1-x}\text{K}_x\text{MnO}_3$ and $\text{Nd}_{1-x}\text{Ag}_x\text{MnO}_3$ compounds was studied (iii) Magnetite and zinc ferrite containing bioactive glass-ceramics for use as thermo-seeds in hyperthermia cancer treatment. (iv) Amorphous and nanocrystalline $\text{Fe}_{89-x-y}(\text{Co,Mn})_y\text{Zr}_{11}\text{B}_x$ alloys prepared by ball milling and melt-spinning routes yielded high





Figure 18 : VSM with CCR insert procured from the project

temperature ultrasoft magnetic materials. (v) Single and multilayer a-FeTaC films with enhanced soft magnetic properties optimized for forming magnetic stripe domains.

- A 6 Tesla NbTi magnet with warm bore of 50 mm design was developed and commissioned (Fig. 19-21) in another project. The development included cryostat, hybrid current lead, high field NbTi magnet and integration with cryocooler. The magnet system was successfully

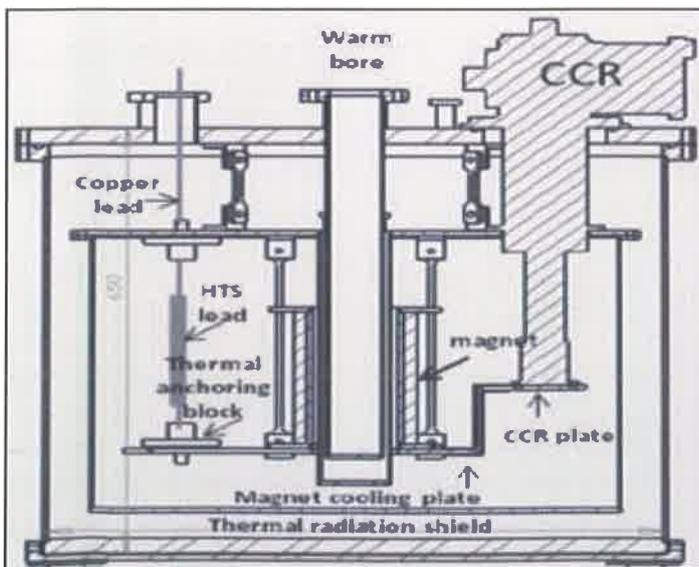


Figure 19. Schematic of the Indigenously Developed 6T Cryogen-free Magnet System

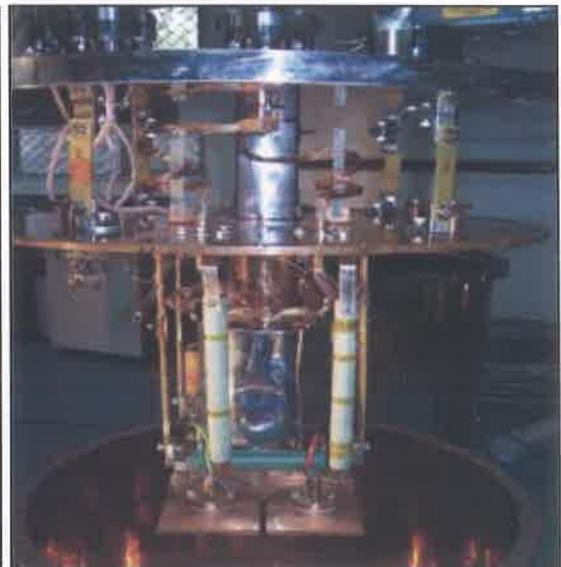


Figure 20. Inner View of Cryogen-Free Developed 6T Cryogen-free Magnet System

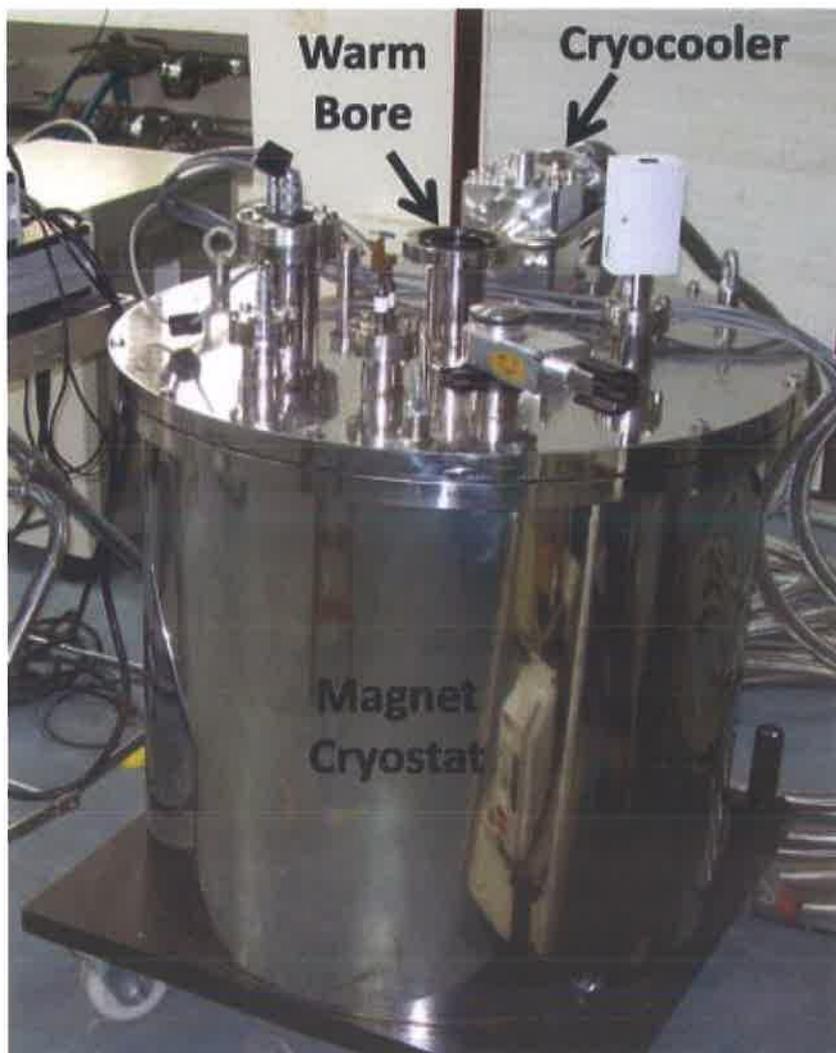


Figure 21. Indigenously Developed 6T Cryogen-Free Magnet System

energized to 102 A (6T) current in less than 20 minutes and found to be stabilized at 3.9 K at 6 T field. The system was successfully operated for more than 3000 hr.

Plasma, High Energy, Nuclear Physics, Astronomy & Astrophysics and Nonlinear Dynamics

Several interesting results were reported from ongoing projects.

- In one project the Wong model for angular momentum and barrier modification effects have been analyzed. One of the interesting result is that the l -dependence in Wong via l -summation is found enough to explain the σ_{capture} for all the reactions studied, but in the case of σ_{evr} , a further modification of barriers is required for below barrier energies, affected in terms of either the barrier "lowering" or barrier "narrowing" via the curvature constant or choosing different Skyrme forces. The role of deformations and orientations of nuclei have been investigated in detail for the exotic cluster radioactive decay using the preformed cluster model (PCM). An interesting result of this study is that, except for ^{14}C decays where



higher multipole deformations up to $\hat{\alpha}_4$ are found essential, the $\hat{\alpha}_2$ alone is found good enough to fit all other experimental data on cluster-decay half-lives. Further studies are carried out by using the RMF theory on clustering, newly synthesized $Z=117$, magic shells in superheavy mass region, and nuclear reaction cross-sections of exotic nuclei in Glauber model for RMF densities.

- In another project, effect of magnetic field on the temporal development of Rayleigh-Taylor instability induced interfacial nonlinear structure like bubbles and spikes were investigated. It was reported that RT instability may show oscillatory stabilization if the magnetic field is greater than 34 gauss in solar corona. Development of nonlinear structures by combined effect on RT, Richtmyer-Meskov (RM) and Kelvin Helmholtz (KH) instability due to oblique shock have also been studied. It has been seen that peaks of both the bubble and spike are displaced continuously with time in conformity with experimental results. The study confirmed that viscosity and surface tension suppress the growth.
- Considerable progress has been made in one of the projects for studying the exotic neutron-rich nuclei around $Z = 90$ and $N = 164$ and $Z = 62$ and $N = 100$. The fission decay properties of eight nuclei ^{236}U , ^{250}U , ^{256}U , ^{260}U , ^{232}Th , ^{240}Th , ^{250}Th , ^{256}Th have been investigated through the study of anatomy of neck configuration in RMF theory. Several new phenomena and new features of nuclear dynamics have been discovered. The spectroscopic properties have been studied for the nuclei ^{156}Sm , ^{158}Sm , ^{160}Sm and ^{162}Sm nuclei in the Hartree-Fock and RMF theories. Identification of a new Island of Inversion in the region $Z = 60-64$ and $N = 110-116$ has been made through the study of masses of these nuclei in the Infinite Nuclear Matter model.

Lasers, Optics, Atomic and Molecular Physics

Several interesting results were reported from ongoing projects.

- Theoretical studies and modeling of propagating and localized surface Plasmon resonance based fibre optic sensors for sensing refractive index, temperature and gases was carried out using different metals, probe designs and light launching conditions in one of the projects. The effect of ionic contents in the sample on the performance of the SPR based fibre optic sensor was studied. Fabrication and characterization of fibre optic sensor for detection of blood glucose using self assembled monolayer technique for the immobilization of glucose oxidase enzyme over gold nanoparticle and bulk gold film were done. Fibre optic SPR sensor for multichannel and multi analyte sensing was realized. In another project, measurement of temperature and temperature profile of butane torch burner using holographic interferometry was accomplished. Measurement of temperature and temperature profile of axi –symmetric flame under the influence of magnetic field using lens less Fourier transform digital holography was also completed successfully.
- The cavity ring down spectrometer was built successfully in a different project. The capability and functionality of the built CRD spectrometer was tested by recording the doubly forbidden weak absorptions of molecular oxygen in the visible region. In another project,

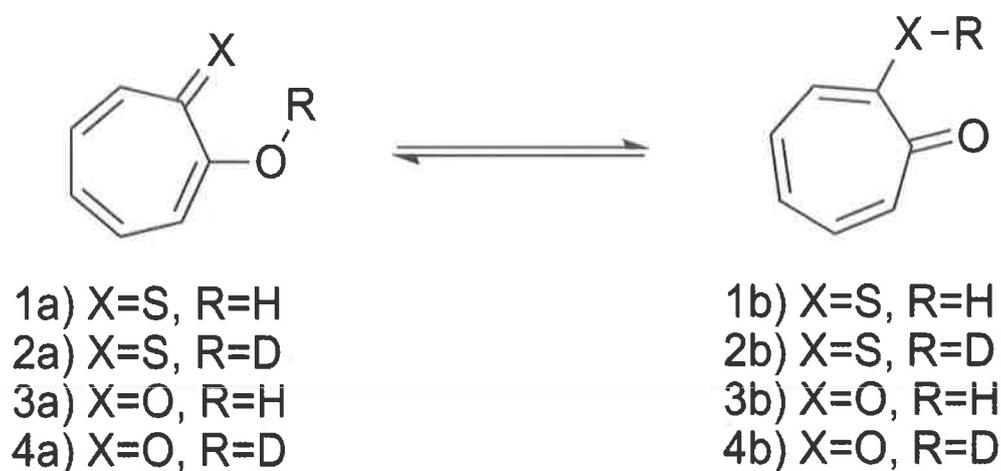
a swept source optical coherence microscopic system for high resolution 3D surface profilometry and tomography has been developed. High speed signal processing software for tomographic and topographic imaging was also developed. Tomographic and Topographic measurements of Si-IC Circuits, MOS structures, Composite materials and Si-Solar Cells. High resolution quantitative phase imaging of biological cells such as Human red cells, Onion cells etc, wavelength dependent refractive index measurement of red blood cells using phase shifting white light interferometry were demonstrated in the project.

- In one project, Double clad D shaped large core Tm, Yb co-doped yttria-alumino-silicate (YAS) glass based optical fibres with core diameter 14-27 micro meter was fabricated successfully by solution doping technique followed by conventional MCVD process. The material characterization of the nano engineered doping host was studied through EDX, SEM, EPMA and XRD.

4.2 Fast Track Scheme for Young Scientists

Chemical Sciences

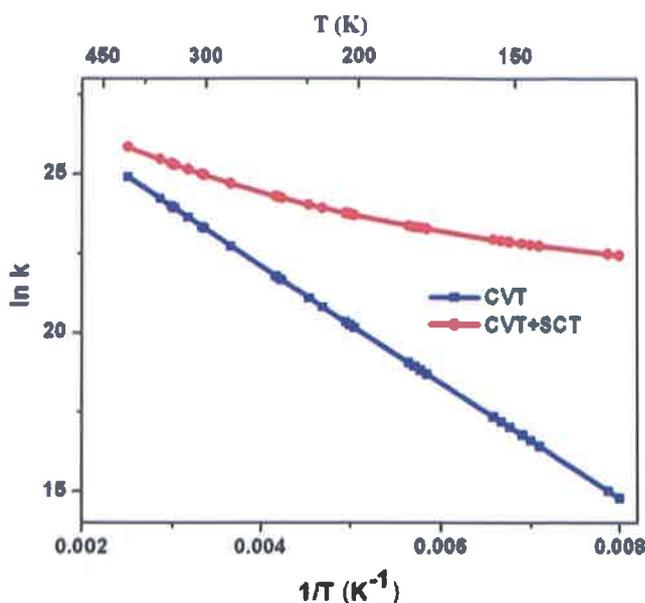
- Evidence for Quantum Mechanical Tunneling (QMT) by heavy particles like proton at room temperature are very rare. It has been studied proton movement between two tautomeric structures, namely the thione and enethiol forms of thiotropolone. The rapid and temperature independent intramolecular proton transfer for this molecule occurs entirely through quantum mechanical tunneling from the lowest vibrational level across the small and narrow barrier(Figure 22). Calculations for kinetic isotope effect (KIE) suggest even though both



(Figure 22 : Proton transfer reaction in thiotropolone and derivatives)



H and D tunnel for thiotropolone, KIE as large as 1000 can be observed for thiotropolone at room temperature. For tropolone, tunneling across a smaller yet broader barrier leads

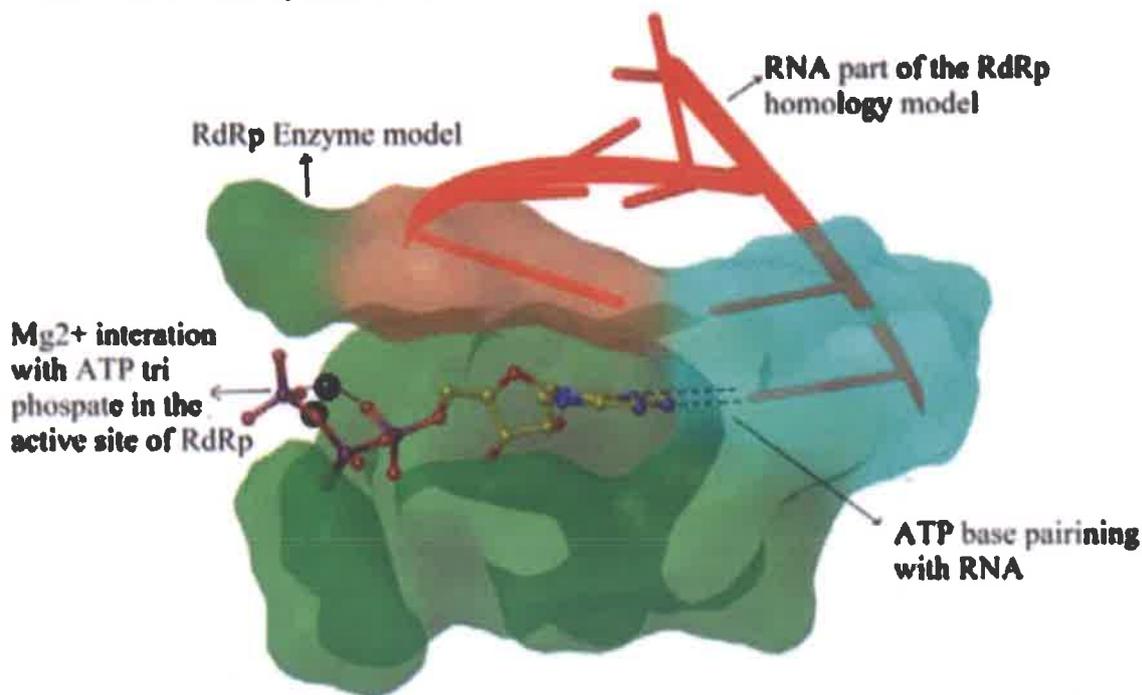


{Figure 23 Temperature independence of rate of proton transfer is strongly indicative of QMT in thiotropolone}

to slower rate of proton transfer for $T < 240$ K. The Arrhenius plot shows linear behavior at temperatures as high as room temperature which is a prima facie evidence for room temperature tunneling (Figure 23) (*Angew. Chem. Int. Ed.*2012, 51, 9389)

- Multiscale simulation method has been successfully established to understand structure – property relations, thermodynamics and dynamics of polymer composite systems. To bridge time and length scale it has been started with atomistic simulation of polycarbonate carbon nanotube composite to analyze the dynamics and structural properties of different nanotube loading percentages in monomer and trimer matrices. The bundle formation of CNTs was observed and the mechanism and energetics of bundle formation were investigated. Bundle formation of nanotubes was found to be more favorable in trimer matrix than monomer matrix. (*Journal of Physical Chemistry B* 2012, 116, 3083-3091)
- A new strategy by which one can produce ammonia by combining N_2 and H_2 using transition metal catalysts (TMC) in the presence of some organic co-catalysts at low temperature and low pressure has been developed. In this new strategy, transition metal catalyst has been used to activate the N_2 and organic co-catalysts to cleave the H_2 to yield proton and hydride in the form of Lewis acid-base pair and subsequently used them to functionalize the N_2 to NH_3 . This newly developed strategy also provides a solution to overcome the problem of competition in binding between N_2 and H_2 with the TMC.

- The HCV RdRp uses as a target enzyme to develop anti-HCV agent. Computer aided-molecular design process has been explored through building a 3D model of HCV RdRp complex. ATP was docked into the nucleoside active site to generate the HCV RdRp-ATP model (Figure 24). The structure based design of carbocyclic nucleoside inhibitor was synthesized for anti- HCV activity evaluation. Computer-aided designed molecules were synthesized, characterized and evaluated for anti-HCV activity. 15 step



(Figure 24. A model structure of HCV RdRp-complex were developed: nucleoside active site for new molecule design.)

long convergent synthesys was carried out to yield designed molecules. The anti-HCV assay of these compounds were carried out.

Earth & Atmospheric Sciences

161 proposals were considered and 63 proposals recommended for support. Projects supported in the research / academic institutions spread over the country have produced exciting results and a few of them are reported here.

- Based on the investigation of Malanjkhhand granite under the project entitled “Predicting Crack Initiation Stress by Porosity and Evaluating Micro structural Control on Crack Initiation: A Study on Granite” the observations made are 1) Effective porosity shows a good correlation with crack initiation stress and the relationship is significantly better than the correlation between effective porosity and unaxial compressive strength 2) In the failed specimens, parallel or sub-parallel micro cracks (Mainly transgranular cracks through quartz and feldspar grains) are aligned along the loading direction irrespective of the specimen failure modes 3) Such transgranular cracks either terminate against biotite grain boundary or continue along the biotite grain boundaries without cutting across the grains. This



investigation could serve as a precursor to studies that could be undertaken solely focusing on the micro-mechanism involved in the process leading to the creation and growth of cracks and quantification of the expected damage to the rocks around excavations over the very long lifetime of a geologic repository in the Indian context.

- The work carried out under the project entitled “Measurement and characteristic of airborne biological particles” provides information on the kind of bacterial species especially the pathogens present in atmosphere. This is one of the studies of its kind in the country. The whole blood assay (WBA) is commonly used to detect pyrogenic contamination in pharmaceutical products and is used to measure the pyrogenic activities of organic dust. Under this study WBA was applied to assess bioactivity of airborne bacterial endotoxin. The major advantage of WBA is that, the stimuli can interact with the different immune response producing cells present in the blood and also assay is cost effective. It is a novel approach to measure the airborne bacterial endotoxin and its contribution on adverse health effects of public. There is a possibility to use the identified bacterial species as the markers for source apportionment and transport study. Also this work provides a report on the concentration and characterization of the airborne biological particles near source such as wastewater treatment plants and urban ambient environment in India and to demonstrate the role of biological particle especially bacterial endotoxin and its influence on the proinflammatory induction from wastewater treatment plants. The results could provide insight into the transport properties of the bioaerosols and this information will be helpful in protecting general public and sensitive areas.
- In an advanced field training program on “Major tectonics and lithounits in the Indus and Shyok suture zones of Ladakh Himalaya” twenty-five young Indian scientists and five mentors actively discussed the scientific issues in the field. Major observations and inferences are: (1) Mafic to hybrid microgranular enclaves and disrupted syn-plutonic mafic dykes (Fig. 25a) in Ladakh granitoids strongly suggest magma mixing and mingling processes of multiple pulses of coeval mafic and felsic magmas in the plutonic environment. (2) Winty intrusion of Ladakh granitoids into Shyok Formation and sub-volcanic emplacement of Tirit granitoids into Khardung Formation are manifested by



(a)



(b)

Figure 25(a) Disrupted syn-plutonic mafic dykes intruding the granitoid magma with more than 80% crystallinity. (b) Syn-deformational partial melting, leucogranite melt generation and its transport in network style.

xenoliths and roof pendants. (3) Syn-deformational partial melting and network style of felsic melt transport (Fig. 25b) from source to sink were recognized. Obducted oceanic crust as ophiolites is preserved along with exhumed Indian continental crust in the form of Puga gneiss hosting eclogite/amphibolite enclaves. (4) Leucogranites and pegmatites with sparse mineralization in the eastern part of Ladakh batholith are products of syn-collisional tectonic event.

Life Sciences

A large number of projects to young researchers in various sub areas including Biotechnology, Biochemistry, Environmental Sciences, Medical Sciences, Nanotechnology, Structural biology, Food Science and Agricultural Sciences of life sciences were supported. 425 new projects were sanctioned. The progress of the ongoing projects was also monitored in a workshop.

Some of the salient outcome from the projects are:

- A simple cost effective clinical proteomics sample assessment kit has been developed in one of the projects, which is further being improved. Proteomics of the ascetic fluid is suitable platform for the identification of potential biomarkers pertaining to the cancer of ovary. This kit could be useful for differentiation of advanced primary ovarian cancer from advanced metastatic ovarian cancer.
- Isolation of Mesenchymal Stem Cells from Wharton's Jelly (WJ) of umbilical cord using the collagenase digestion as well as explant culture method was optimized. A differential gene expression pattern, with respect to chemokine and their receptors, was identified on comparing Bone Marrow and WJ-derived MSCs. A patent also has been filed.
- Investigations of neuroprotective potential of pharmacological interventions targeting endoplasmic reticulum stress in cerebral ischemic/reperfusion injury associated with diabetes it was found that chemical chaperones and antioxidant (EDR)/nNOS inhibitors (3-BNI) were shown to reduce neurological damage and ameliorated neurological symptoms in a Type 2 Diabetes (T2D) stroke rat model.

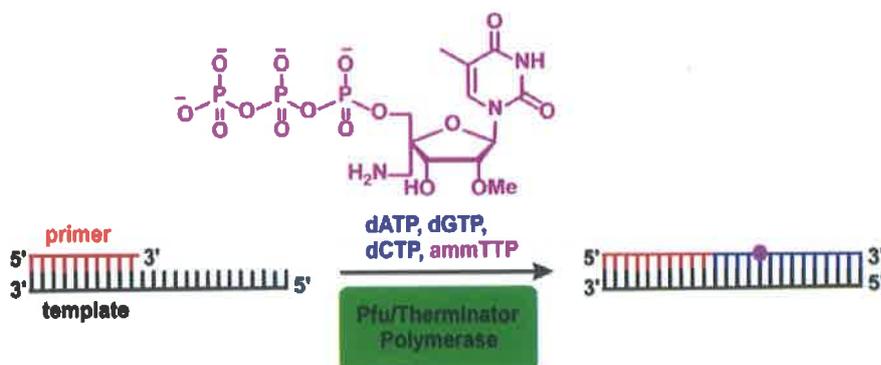


Figure 26: Synthesis of base modified DNA blocks and their incorporation into DNA enzyme by solid phase synthesizer



- Chemical synthesis of 4'-C-aminomethyl 2'-O-methyl thymidine triphosphate (ammT), which was incorporated successfully into DNA by recombinant thermophilic DNA polymerases Pfu and Terminator III was achieved. ammT showed increased resistance against exonuclease degradation which can be used to study the functional requirements of nucleotides in the catalytic core of various RNA cleaving DNA enzymes (Fig. 26)
- A study was also done on interaction between glucose and brassinosteroid signal transduction pathway in a model plant system *Arabidopsis thaliana*. A genetic approach to identify the signaling elements and their relationship underlying hypocotyls growth directions was carried out. It was found that BR (brassinosteroid) may have an important role to play in sensing and responding to obstacles and thus may assist in seedling emergence through soil, eventual seeding survival and fitness under natural conditions.
- In a different project, scientists have cloned and partially characterized the HPIP (hematopoietic PBX-interacting protein) promoters of both origins i.e. humans and mouse and studied the regulation of HPIP expression during mammary gland development. They could identify the differential expression of HPIP during gland development. High expression of HPIP during lactation indicates a critical role for HPIP in this developmental process.
- The results from another project on mechanism by which Valproic acid (VPA) induces anti tumour effects in Multiple Myeloma (MM) cells may be helpful to explore and understand several other signaling networks that play an important role in the pathogenesis of MM and may provide new therapeutic strategies to treat multiple myeloma patients.
- A study was done to compare the native gene expression profiles between the retinal, Ciliary pigmented epithelium (CPE) and Retinal pigmented epithelium (RPE) cells. The results confirm that the molecular profile of CPE cells overlaps with that of the neuro-retinal and RPE cells, suggesting their common origin and progenitor state.
- In another project on molecular characterization of internal ribosome entry site (IRES) of utrophin-A mRNA, the 5'UTR of utrophin-A mRNA was analysed by MFOLD tool and the potential secondary structural elements were identified. It was found that 125-225nt of 5'UTR of utrophin-A mRNA was found to be critical for IRES activity. This would lead to a better understanding of regulation of utrophin expression and may help in development of therapeutic strategy for Duchenne Muscular Dystrophy (DMD).
- The Nymphalidae species of Butterflies were recorded in a scientific and systematic manner. RAPD-PCR and DNA bar coding characterization of the genome gives interesting insights into the evolution of these butterflies.

Physical and Mathematical Sciences

Several Young Scientists working in the broad areas of Physical and Mathematical Sciences have been supported. The newly formed Expert Committee had met twice in the past and

recommended 105 projects and reviewed some of the ongoing projects. Some of the interesting results are listed:

- A computer programme for numerically evolving the coupled GP equations for a two mode Bose Einstein condensate (BEC) of Rubidium-87 atoms has been developed at the Indian Institute of Science Education and Research Thiruvananthapuram. The programme is capable of finding the ground states of the individual modes separately also. The main challenge in developing the programme was to allow one to put in arbitrary boundary conditions so that different trapping potentials can be incorporated. The trap geometries that are now being considered include, highly anisotropic, elongated traps of the kind that can now be generated in the lab using optical frequency potentials as well as ring shaped and other more exotic geometries. The ring trap is of particular interest since that can be achieved in the laboratory routinely and it has the advantage that along one of the dimensions (around the ring), the effective size of the BEC is capped. This approximates hard wall geometries with von Neumann boundary conditions.
- Significant results were reported in a project at Indian Institute of Science, aimed at developing a polarimeter suitable for detecting sub- μl volume of an optically active medium which is more sensitive than the existing commercial polarimeters. The proposed set up use minimum number of optical elements (low price), and require only minute quantities of the test medium.
- Thermoelectric materials are of great interest today because of their prospective applications in medical, biological and military fields. Skutterudites are the most efficient thermoelectric materials due to their complex crystal structure and good transport properties. In this direction unfilled $\text{Co}_4\text{Sb}_{12}$ and Bi-filled $\text{Co}_4\text{Sb}_{12}$ ($\text{Bi}_x\text{Co}_4\text{Sb}_{12}$, where $x=0.05, 0.25, 0.50$ and 0.75) skutterudites were prepared from high purity Co (99.995%), Sb (99.999%) and Bi (99.999%). Bi filled $\text{Co}_4\text{Sb}_{12}$ skutterudite materials have been prepared by Induction melting process. The skutterudite phase has been observed in all samples (annealed powder, ball milled powder and the hot pressed pellets). The Scientist at IISc achieved an improvement over the value of power factor and zT of the undoped $\text{Co}_4\text{Sb}_{12}$. But as compared to other filled skutterudites the power factor of Bi filled CoSb_3 is very low. A maximum zT of 0.53 at 632 K was obtained in $\text{Bi}_{0.5}\text{Co}_4\text{Sb}_{12}$ having least thermal conductivity.
- A project undertaken at the Indian Institute of Technology Delhi presents the multilevel adaptive wavelet collocation method for solving the non-divergent barotropic vorticity equation over spherical geodesic grid. This method is based on multi-dimensional second generation wavelet over a spherical geodesic grid. The method is useful in capturing, identifying, and analyzing local structure than any other traditional methods (i.e finite difference, spectral method), because those methods miss important phenomena such



as trends, breakdown points, discontinuities in higher derivatives of the solution. Wavelet decomposition is used for interpolation and adaptive grid refinement on different levels. The time complexity (i.e. $O(n)$) of the method is less. This method gives better approximate solution as compared to other methods and less time complexity (i.e. $O(n)$) which is desired while solving problems related to atmosphere and oceans.

4.3 Intensification of Research In High Priority Areas

A major project has been supported to establish a pilot scale facility & manufacturing technology for Lithium Ion Batteries with proven materials and develop novel anode, cathode, electrolyte materials & demonstrate their usage in Lithium Ion Batteries for improved performance. M/s. Ashok Leyland is also collaborating in this project to provide benchmark specifications and test prototype batteries under real life conditions in their buses.

A major project has been supported to find a gate stack on high mobility Ge channels that meets sub-32nm node ITRS specifications by mapping out the trade-offs between capacitance (k-value), gate leakage (band offsets) and interface states for various advanced Hi-K dielectric materials & deposition techniques for logic applications and identify a viable RRAM stack by evaluating various oxides / electrodes using different processing techniques for memory applications.

Some interesting results obtained from ongoing projects are given below:

National Facility lab (Fission Track Dating) including various equipments

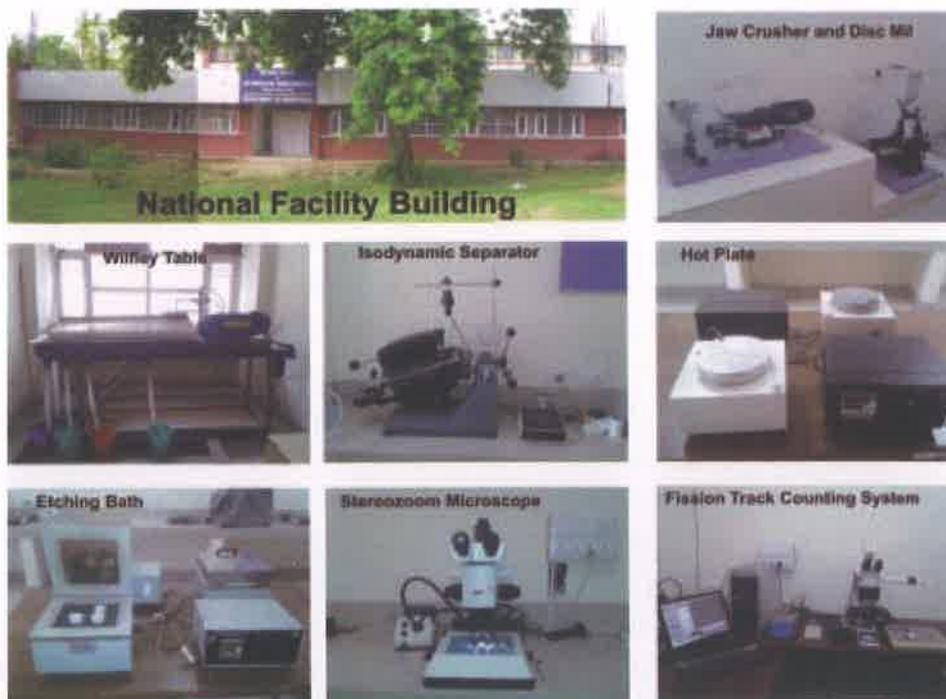


Figure-27: Fission Track dating facility at Kurukshetra University, Kurukshetra

- National Facility for Low-Temperature Thermochronology has been developed at Department of Geophysics, Kurukshetra University, Kurukshetra (Figure 27). The objective of this lab is to provide facility on Fission-Track (FT) thermochronology which is widely used for reconstruction of low-temperature (<300°C) thermal histories in upper crustal rocks. It helps for constraining the time–temperature history of rocks and provides



constraints on denudation chronologies, landscape evolution and tectonic history of different geological terrains such as orogenic belts, rifted margins and more stable areas. It provides a means of assessing the timing and volume of sediment being delivered to sedimentary basins, and also as an estimator of hydrocarbon maturity potential of the sedimentary basin. The facility deals with Fission Track Dating of Apatite and Zircon minerals extracted from the rocks. Research works on internationally debatable and challenging geological problems of the Himalaya, Shillong plateau, Gondawana basin are under progress.

- A national facility for Ar-Ar geo-thermochronology equipped with a high-precision noble gas mass spectrometer has been setup at the Department of Earth Sciences, IIT Bombay (Figure 28). This is the only facility in the country for Ar-Ar geo-thermochronology, centered on the state-of-the-art Thermo Fisher Scientific Argus VI Multi-collector noble gas mass spectrometer equipped with resistance heating, laser heating, laser ablation and vacuum crushing sample preparation system. The facility is currently being used to address two core projects: (i) Geochronology and thermochronology of the Himalayan orogenic belt, particularly the NE Himalaya by the IITB group and the Central Himalaya by the IITR group Himalaya, and (ii) Geochronology of the Mesozoic-Tertiary volcanic provinces of India, with a special focus on the Deccan volcanic province by the IITB group. Besides, several satellite research projects are being carried out, involving application of the ^{40}Ar - ^{39}Ar technique to ore petrology, fluid and melt inclusion studies, geothermal research, and thermochronology of Precambrian terrains.



- A National Centre for Combustion Research & Development (NCCRD) has been started with two facilities at IIT Madras and IISc Bangalore at an investment of Rs. 84 crore over 5 year period. About 30 faculty members from 7 departments at IIT Madras and around 17 faculty members from 3 departments at IISc are directly involved in the setting up of the NCCRD at both institutions in a coordinated manner. A work plan has been developed in consultation with industry experts from three major sectors: automotive, aerospace, and thermal power, to identify problems of scientific interest for translation into diagnostic capabilities and predictive tools that could elevate the design processes in these sectors with a sound knowledge base.

4.4 Fellowship

The JC Bose Fellowship

To recognize active scientists and engineers for their outstanding performance and contributions, JC Bose fellowship was instituted. These fellowships are scientist-specific and very selective. J C Bose fellowship are open to Indian Nationals residing in India, with upper age limit of 68 years for completion of fellowship and are having regular positions in various institutions. In addition to a fellowship of Rs. 25,000 per month, it carries a research grant of Rs. 10.00 lakh per annum. 13 JC Bose fellows are supported this year in various science and engineering streams. Review of progress of work done by the JC Fellows revealed that JC Bose fellows, on average, publish 6.5 papers per year with an average impact factor 3.6, and they also produce one PhD per year.

Ramanujan Fellowship

Ramanujan Fellowship was instituted to attract brilliant scientists and engineers from all over the world to take up scientific research positions in India. It is especially directed at scientists and engineers below the age of 60 years, who want to return to India from abroad. The Ramanujan Fellows can work in any of the scientific institutions and universities in the country. The duration of Ramanujan Fellowship is five years. The value of the fellowship is Rs.75,000 per month. Each Fellow, in addition, receives a research grant of Rs. 5.00 lakh per annum. 29 scientists were selected.

PM's Doctoral Fellowship

Prime Minister's Fellowship scheme for Doctoral research has been instituted to engage industry participation in R&D. The scheme is for supporting aspiring PhD scholars with double scholarship, 50 % of which will be provided by government (SERB) and the balance by a sponsoring industry, for a period of four years. A total of 28 fellowships have been awarded during this year.



Better Opportunities for Young Scientists in Chosen areas of Science and Technology (BOYSCAST)

The BOYSCAST programme provides opportunities to the young Indian scientists/technologists below the age of 35 years, who hold regular positions in recognized S&T institutes in India, to visit reputed institutions abroad, interact with scientists there, get exposure to latest research techniques and conduct R&D in frontline areas of Science & Technology. Under the BOYSCAST programme, fellowships of three to twelve months duration are provided for conducting research/undergoing specialized training in reputed overseas research laboratories/institutes. During the year, about 50 BOYSCAST fellows worked at leading institutions abroad in the areas including Surface technology, Advanced/novel/nano materials, Nano-science & technology, Electronic materials and processing, Signal processing technologies, Microfabrication/micromachining, Biomedical engineering, Quantum computing, Machine intelligence, Organometallic chemistry, Supramolecular chemistry, Molecular electronic structure and dynamics, Photochemistry, Ecological engineering, Plant-microbe interaction, Molecular biology of biotic/abiotic stresses in plants, Crop biotechnology, Genetic engineering, Reproduction technology, Stem cell research, Industrial microbiology, Modelling for new drug development, Drug delivery system, Evolution and dynamics of Indian Lithosphere, Paleoclimatology and Paleoenvironment, Regional and global climate studies and prediction, Algebra, Wavelet analysis etc.

4.5 International Travel Support

International Travel Support (ITS) Scheme provides travel grant to Indian scientists to attend international scientific event held abroad. This support enables them to interact with foreign counterparts and share their research findings. A total of 1821 scientists were supported during this period.

4.6 Assistance to professional bodies and seminar/symposia

The Board extends partial support for organizing seminar/symposia/training programmes/workshops/conferences at national as well as international level. The support is provided to Research Institutes/Universities/Medical and Engineering Colleges and other Academic Institutes/Professional Bodies who organize such events to keep abreast of the latest developments in specific areas. The support is generally given for encouraging participation of young scientists and research workers in such events and publication of proceedings / abstracts for wider dissemination. The programme also supports S&T Professional bodies. A total of 606 national, international events including professional bodies have been supported.

4.7 Utilization of Scientific Expertise of Retired Scientists (USERS)

USERS scheme aims to utilize the expertise and potential of large number of Eminent Scientists in the country who remain active and deeply motivated to participate in S&T development even after their retirement. The main activity under this programme is preparation of books/monographs and state of art-reports. Several retired scientists have been supported.



Some of the major books published during the period are: Iron Ore Deposits and Banded Iron Formations of India; Ozone Reactor Technology; Armies Wars and their Food; Phytopathogenic Prokaryotes and Plant Diseases; Analysis and Design of Foundations and Retaining Structures Subjected to Seismic Loads; Virus Diseases of Citrus & Management; and Injurious and Beneficial Mites Infesting Agri-horticultural Crops in India and their Management.

4.8 Programme with Ministry of Food Processing Industries

Ministry of Food Processing Industries (MOFPI) extends financial assistance as grant-in-aid to various institutions/universities, Public funded organizations and recognized R&D laboratories both in public and private sector, to promote and undertake demand driven R&D work in the field of Food Processing for product and process development, design and development of equipment, improved storage, shelf-life, packaging etc.

The objective of the scheme is that the end product / outcome / findings of R&D work should benefit Food Processing Industry in terms of product and process development, improved preservation, packaging, storage and distribution technologies, value addition, standardization of additives, coloring agents, preservatives, pesticide residues, etc. with focus on enhancement of production, quality, consumer safety, public health and trade.

From 1st April, 2012 the scheme is being implemented by the Science & Engineering Research Board.

During the current year, 84 new research proposals have been considered, out of which 22 proposals were sanctioned. 2 meetings were conducted to evaluate new project proposals.

Few highlights are presented underneath.

1. Development and Optimization of Edible Coating Formulations to Improve the Postharvest Quality and Shelf-life of Underutilized Short Lived Fresh Fruits by using RSM.
2. Design and Evaluation of a Tamarind Fruit dehuller and Deseeder.
3. Design and development of Ohmic Heating System for Pasteurization of Liquid Egg White and to Enhance the Functional Properties of Egg White Albumen.
4. Development of Piperine Conjugates to Increase the Bioavailability of Iron.
5. Development of Process for nanoencapsulation of polyphenols for food supplement Applications.
6. Development of Degradable Food Packaging Technology "Green-PACK".
7. Development of Continuous and Energy Efficient Cooking Devices and Practices.



*AUDITED ANNUAL STATEMENT
OF ACCOUNTS
OF THE
SCIENCE AND ENGINEERING
RESEARCH BOARD
FOR THE
FINANCIAL YEAR 2012-13*



Science and Engineering Research Board

Amount in Rs.

Balance Sheet as at 31.03.2013

	Schedule	Current Year	Previous Year
CORPUS / CAPITAL FUND AND LIABILITIES			
Corpus / Capital Fund	Schedule 1	392,520,591.00	305,301,227.00
Reserves and Surplus	Schedule 2	-	-
Earmarked / Endowment Funds	Schedule 3	-	-
Secured Loans and Borrowings	Schedule 4	-	-
Unsecured Loans and Borrowings	Schedule 5	-	-
Deferred Credit Liabilities	Schedule 6	-	-
Current Liabilities and Provisions	Schedule 7	35,968,269.00	8,657,651.00
Total		428,488,860.00	313,958,878.00
Assets			
Fixed Assets (Net)	Schedule 8	24,388,014.00	6,634,410.00
Investments-From Earmarked Endowment Funds	Schedule 9	-	-
Investments-Others	Schedule 10	-	-
Current Assets, Loans, Advances etc.	Schedule 11	404,100,846.00	307,324,468.00
Miscellaneous Expenditure (to the extent not written off or adjusted)			
Total		428,488,860.00	313,958,878.00
Significant Accounting Policies and Notes on Accounts	Schedule 28		
Contingent Liabilities	Schedule 29		

For Science and Engineering Research Board

Secretary

SERB

Director-Finance

SERB

Date : 26.07.2013

Place : New Delhi



Science and Engineering Research Board

Amount in Rs.

Income & Expenditure Account for the Year Ended 31.03.2013

	Schedule	Current Year	Previous Year
Income			
Income from Sales / Services	Schedule 12	-	-
Grants / Subsidies	Schedule 13	4,052,937,500.00	2,000,000,000.00
Fees / Subscriptions	Schedule 14	-	-
Income from Investments	Schedule 15	-	-
Income from Royalty, Publication etc	Schedule 16	-	-
Interest Earned	Schedule 17	43,972,489.00	22,097,715.00
Other Income	Schedule 18	-	-
Increased/(Decrease) in stock of Finished Goods and Works-in-Progress	Schedule 19	-	-
Refund from Projects (with in same Financial Year)	Schedule 20	-	2,501,770.00
Refunds received against previous year grant	Schedule 21	10,288,246.00	-
Total (A)		4,107,198,235.00	2,024,599,485.00
Expenditure			
Establishment Expenses	Schedule 22	8,764,394.00	1,141,375.00
Other Administrative Expenses	Schedule 23	56,458,043.00	43,973,524.00
Expenditure on Grant, Subsidies etc	Schedule 24	3,955,440,218.00	1,673,780,457.00
Interest	Schedule 25	-	-
Depreciation (Net Total at the Year end)	Schedule 8	5,209,064.00	402,902.00
Total (B)		4,025,871,719.00	1,719,298,258.00
Prior Period Income	Schedule 26	20,122,467.00	-
Prior period Expenditure	Schedule 27	14,229,619.00	-
Balance being excess of Income over Expenditure (A-B)		87,219,364.00	305,301,227.00
Balance being excess of Expenditure over Income (A-B)		-	-
Transfer to Special Reserve (Specity each)		-	-
Transfer to / from General Reserve		-	-
Balance Being Surplus (Deficit) carried to Corpus/Capital Fund		87,219,364.00	305,301,227.00
Significant Accounting Policies & Notes on Accounts	Schedule 28		
Contingent Liabilities	Schedule 29		

For Science and Engineering Research Board

Secretary
SERB

Director-Finance
SERB

Date : 26.07.2013
Place : New Delhi

Science and Engineering Research Board

Amount in Rs.

Schedules Forming Part of Balance Sheet as at 31.03.2013

Schedule 1 - Corpus / Capital Fund

Particulars	Current Year	Previous Year
Balance at the beginning of the year	305,301,227.00	-
Add: Contributions towards Corpus/Capital Fund	-	-
Add/(Deduct) : Balance of net income/(Expenditure) transferred from the Income & Expenditure Account	87,219,364.00	305,301,227.00
Total	392,520,591.00	305,301,227.00

Schedule 2 - Reserve and Surplus

Particulars	Current Year	Previous Year
1. Capital Reserves :		
As Per Last Account	-	-
Addition during the year	-	-
Less : Deductions during the year	-	-
2. Revaluation Reserves :		
As Per Last Account	-	-
Addition during the year	-	-
Less : Deductions during the year	-	-
3. Special Reserve :		
As Per Last Account	-	-
Addition during the year	-	-
Less : Deductions during the year	-	-
4. General Reserve :		
As Per Last Account	-	-
Addition during the year	-	-
Less : Deductions during the year	-	-
Total	-	-

Science and Engineering Research Board

Amount in Rs.

Schedules Forming Part of Balance Sheet as at 31.03.2013

Schedule 3 - Earmarked/Endowment Funds

Particulars	Current Year	Previous Year
a) Opening Balance of the Funds	-	-
b) Additions to the funds		
i) Donations / Grants	-	-
ii) Income from Investments made on account of Funds	-	-
iii) Other Additions (Specify)	-	-
Total (a+b)	-	-
c) Utilization / Expenditure towards objectives of funds		
i) Capital Expenditure	-	-
Fixed Assets	-	-
Other Additions (Specify)	-	-
ii) Revenue Expenditure		
Salary, Wages and allowance etc	-	-
Rent	-	-
Other Administrative Expenditure	-	-
Total c)	-	-
Net Balance as at the year end (a+b-c)	-	-

Note : 1) Disclosures shall be made under relevant heads based on conditions attached to the Grants

Note : 2) Plan Funds received from Central / State Governments are to be shown as separate Funds and not to be mixed up with any other funds

Science and Engineering Research Board

Amount in Rs.

Schedules Forming Part of Balance Sheet as at 31.03.2013

Schedule 4 - Secured Loans and Borrowings

Particulars	Current Year		Previous Year	
1. Central Government		-		-
2. State Government (Specify)		-		-
3. Financial Institutions				
a) Term Loans	-		-	
b) Interest accrued and dues	-	-	-	-
4. Banks :				
a) Term Loans	-		-	
Interest accrued and due	-		-	
b) Other Loans (Specify)	-		-	
Interest accrued and due	-	-	-	-
5. Other Institutions and Agencies		-		-
6. Debentures and Bonds		-		-
7. Others (Specify)		-		-
Total		-		-

Note : Amounts due within one year

Science and Engineering Research Board

Amount in Rs.

Schedules Forming Part of Balance Sheet as at 31.03.2013

Schedule 5 - Unsecured Loans and Borrowings

Particulars	Current Year		Previous Year	
1. Central Government		-		-
2. State Government (Specify)		-		-
3. Financial Institutions				
4. Banks :				
a) Term Loans	=		=	
b) Other Loans (Specify)	=	-	=	-
5. Other Institutions and Agencies		-		-
6. Debentures and Bonds		-		-
7. Fixed Deposites		-		-
8. Others (Specify)		-		-
Total		-		-

Note : Amounts due within one year

Schedule 6 - Deferred Credit Liabilities

Particulars	Current Year	Previous Year
a) Acceptances secured by Hypothecation of Capital Equipment and other assets	-	-
b) Others	-	-
Total	-	-

Note : Amounts due within one year

Science and Engineering Research Board

Amount in Rs.

Schedules Forming Part of Balance Sheet as at 31.03.2013

Schedule 7 - Current Liabilities And Provisions

Particulars	Current Year		Previous Year	
A) Current Liabilities				
1. Acceptances		-		-
2. Sundry Creditors				
a) For Goods		-		-
b) Others-M/s Gobind Computers Private Limited		-	6,654.00	
M/s Kendriya Bhandhar, New Delhi		-	35,710.00	
National Mission on Bamboo Application	17,525,279.00			
M/s Anil Bhatla & Co.	436,546.00		-	
M/s B4 Integrated Facility Management Private Limited	21,755.00		-	
M/s B4 Security Private Limited	45,057.00		-	
M/s Fast air courier	47,124.00		-	
M/s Impact Outsourcing Solution (India)	15,991.00		-	
M/s Lovely Printers			-	
M/s Mansarover Industrial Corporation	2,350.00		-	
M/s National Co-operative Consumers Federation of India Limited	10,002.00		-	
M/s Net Creative Mind Solutions Private Limited	40,944.00	18,145,048.00	-	42,364.00
3. Advances Received				
4. Interest accrued but not due on :				
a) Secured Loans / Borrowings		-		-
b) UnSecured Loans / Borrowings		-		-
5. Statutory Liabilities				
a) Over Due		-		-
b) Others : TDS Payable				
TDS on Contractor	850.00		545.00	
TDS on Professional	52007.00		-	
TDS on Rent	1490012.00		745,006.00	
TDS on Salary	21000.00	1,563,869.00	-	745,551.00
Total (1)	19,708,917.00		787,915.00	

Science and Engineering Research Board

Amount in Rs.

Schedules Forming Part of Balance Sheet as at 31.03.2013

Schedule 7 - Current Liabilities And Provisions

Particulars	Current Year		Previous Year	
6. Other Current Liabilities				
Expenses Payable				
M/s Himanshu Tourist Taxi Service	41758.00		27,846.00	
M/s Suncity Projects Private Limited	15606651.00		7,821,890.00	
Telephone Expenses Payable (Reimbursement)	1994.00	15,650,403.00	-	7,849,736.00
Special Incentive : Mr. Pawan Kumar		10,000.00		20,000.00
Audit Fee Payable		75,000.00		-
Salary Payable		72,524.00		-
CGEGIS (Principal CDA)		120.00		-
GPF Contribution Joint CDA		25,000.00		-
HBA (Principal CDA)		5,000.00		-
Pankaj Kanojia (Travelling Exp.)		500.00		-
Grants Pending for Clearance FY 2011-12				
Central Scientific Instruments Organisation	77093.00		-	
G B Pant Hospital, Delhi	87487.00		-	
Institute of Environmental Studies & Wetland Management, Kolkata	67970.00		-	
Jaipur Engineering College, Jaipur	50000.00		-	
Krishna Institute of Engineering and Technology, Meerut	45000.00		-	
Narula Institute of Technology, Kolkata	76570.00		-	
Pk Institute of Engineering & Technology, Karaikal	16685.00	420,805.00	-	-
Total (2)		16,259,352.00		7,869,736.00
Total (A) =(1) + (2)		35,968,269.00		8,657,651.00
B. Provision		-		-
1. For Taxation		-		-
2. Gratuity		-		-
3. Superannuation / Pension		-		-
4. Accumulated Leave Encashment		-		-
5. Trade Warranties / Claims		-		-
6. Others (Specify)		-		-
Total (B)		-		-
Total (A+B)		35,968,269.00		8,657,651.00

Science and Engineering Research Board

(A statutory body under Department of Science and Technology, Government of India)

Amount in Rs.

Schedules Forming Part of Balance Sheet as at 31.03.2013

SCHEDULE & FIXED ASSETS DESCRIPTION	Rate of Depreciation	GROSS BLOCK			DEPRECIATION			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	On Opening balance	On Additions during the year	Total up to the year end	As at the current year end	As at the previous year end
A. FIXED ASSETS											
1. LAND											
a) Freehold											
b) Leasehold											
2. BUILDING											
a) On Freehold Land											
b) On Leasehold Land											
c) Ownership Flats/Premises											
d) Interior work FY 2012-13	10%	16,893,166.00	632,111.00	-	17,525,277.00	1,234,028.00	1,565,914.00	63,211.00	2,863,153.00	14,660,126.00	-
3. PLANT & MACHINERY											
a) Dimmer Lighting Controller	15%	388,500.00	-	-	388,500.00	29,136.00	53,904.00	-	83,042.00	305,458.00	359,362.00
b) Plasma Panel	15%	176,250.00	-	-	176,250.00	13,219.00	24,455.00	-	37,674.00	138,576.00	163,031.00
c) Projection System	15%	511,875.00	-	-	511,875.00	38,391.00	71,023.00	-	109,414.00	402,461.00	473,484.00
d) Public Address System	15%	669,375.00	-	-	669,375.00	50,203.00	92,876.00	-	143,079.00	526,296.00	619,172.00
e) UPS	15%	-	226,913.00	-	226,913.00	-	-	17,018.00	17,018.00	209,895.00	-
4. VEHICLES											
5. FURNITURE & FIXTURES	10%	5,261,772.00	191,752.00	-	5,453,524.00	263,069.00	499,868.00	19,179.00	782,132.00	4,671,392.00	4,998,683.00
6. OFFICE EQUIPMENT	15%	-	25,594.00	-	25,594.00	-	-	7,617.00	7,617.00	17,977.00	-
7. COMPUTER/PERIPHERALS											
A) COMPUTER SOFTWARES	60%	14,500.00	2,401,564.00	-	2,416,064.00	4,350.00	6,090.00	726,380.00	736,820.00	1,679,244.00	10,150.00
B) PERIPHERALS	60%	5,040.00	2,158.00	-	7,198.00	1,912.00	2,117.00	2,150.00	3,279.00	1,411.00	3,528.00
C) PRINTERS/SCANNERS	60%	10,000.00	791,604.00	-	801,604.00	3,000.00	4,200.00	447,086.00	454,286.00	346,718.00	7,000.00
D) DESKTOP COMPUTERS	60%	-	2,298,870.00	-	2,298,870.00	-	-	1,379,322.00	1,379,322.00	919,548.00	-
E) LAPTOP COMPUTERS	60%	-	284,130.00	-	284,130.00	-	-	170,478.00	170,478.00	113,652.00	-
8. ELECTRIC INSTALLATIONS											
9. LIBRARY BOOKS	100%	-	-	-	-	-	-	-	-	-	-
10. TUBEWELL & W. SUPPLY											
11. INTANGIBLE ASSETS											
a) Website Development	25%	-	449,440.00	-	449,440.00	-	-	56,180.00	56,180.00	393,260.00	-
TOTAL OF CURRENT YEAR (A)		23,930,480.00	7,303,528.00	-	31,234,008.00	1,636,930.00	2,320,447.00	2,888,617.00	6,845,994.00	24,388,014.00	6,634,410.00
PREVIOUS YEAR		-	7,057,312.00	-	23,930,480.00	-	-	402,902.00	1,636,930.00	6,634,410.00	-
B. CAPITAL WORK IN PROGRESS											
TOTAL (A+B)		23,930,480.00	7,303,528.00	-	31,234,008.00	1,636,930.00	2,320,447.00	2,888,617.00	6,845,994.00	24,388,014.00	6,634,410.00

Science and Engineering Research Board

Amount in Rs.

Schedules Forming Part of Balance Sheet as at 31.03.2013

Annuceure																	
6. OFFICE EQUIPMENT	15%	21,150.00	-	21,150.00	-	3,173.00	-	3,173.00	3,173.00	10,800.00	-	10,800.00	10,800.00	25,300.00	-	17,977.00	-
a) Safe									4,444.00	6,090.00	4,350.00	10,440.00	10,440.00	4,060.00			
b) Staplilizer	100%	4,444.00	-	4,444.00	-	4,444.00	-	4,444.00	4,444.00	616,756.00	-	616,756.00	616,756.00	1,439,098.00	-		-
Total		25,594.00	-	25,594.00	-	7,617.00	-	7,617.00	7,617.00	82,184.00	-	82,184.00	82,184.00	11,248.00	-		-
										11,820.00	-	11,820.00	11,820.00	7,880.00	-		-
										726,380.00	6,090.00	732,470.00	738,860.00	1,679,244.00	10,150.00		-
A) COMPUTER SOFTWARES																	
a) Adobe	30%	36,000.00	-	36,000.00	-	36,000.00	-	36,000.00	36,000.00	2,150.00	-	2,150.00	2,150.00	-	-	-	-
b) Cheque Printing Software	60%	14,500.00	-	14,500.00	-	14,500.00	-	14,500.00	14,500.00	5,040.00	1,512.00	1,512.00	3,528.00	1,411.00	3,528.00	-	-
c) MS Office Professional	30%	2,055,854.00	-	2,055,854.00	-	2,055,854.00	-	2,055,854.00	2,055,854.00	7,190.00	1,512.00	1,512.00	5,779.00	1,411.00	5,779.00	-	-
d) Norton Antivirus	30%	16,065.00	-	16,065.00	-	16,065.00	-	16,065.00	16,065.00	-	-	-	-	-	-	-	-
e) Saranah	30%	273,945.00	-	273,945.00	-	273,945.00	-	273,945.00	273,945.00	-	-	-	-	-	-	-	-
f) Tally ERP 9	60%	19,700.00	-	19,700.00	-	19,700.00	-	19,700.00	19,700.00	2,416,064.00	4,350.00	4,350.00	756,820.00	1,679,244.00	10,150.00		-
Total		2,401,564.00	-	2,401,564.00	-	2,416,064.00	-	2,416,064.00	2,416,064.00								
B) PERIPHERALS	100%	2,150.00	-	2,150.00	-	2,150.00	-	2,150.00	2,150.00								
a) Compaq Adapter	60%	5,040.00	-	5,040.00	-	5,040.00	-	5,040.00	5,040.00								
b) Hard Disk 500GB																	
Total		5,040.00	2,150.00	7,190.00	-	7,190.00	-	7,190.00	7,190.00								
C) PRINTERS/SCANNERS																	
a) Canon Multifunction Copier	60%	699,281.00	-	699,281.00	-	699,281.00	-	699,281.00	699,281.00								
b) Epson Printer	60%	78,963.00	-	78,963.00	-	78,963.00	-	78,963.00	78,963.00								
c) Laser Printer	30%	12,760.00	-	12,760.00	-	12,760.00	-	12,760.00	12,760.00								
d) Scanner	30%	791,004.00	-	791,004.00	-	791,004.00	-	791,004.00	791,004.00								
Total		1,682,008.00	-	1,682,008.00	-	1,682,008.00	-	1,682,008.00	1,682,008.00								
D) DESKTOP COMPUTERS																	
a) Desktop	60%	2,193,870.00	-	2,193,870.00	-	2,193,870.00	-	2,193,870.00	2,193,870.00								
b) RAM 1GB	60%	94,500.00	-	94,500.00	-	94,500.00	-	94,500.00	94,500.00								
c) DVD Writer	60%	10,500.00	-	10,500.00	-	10,500.00	-	10,500.00	10,500.00								
Total		2,298,870.00	-	2,298,870.00	-	2,298,870.00	-	2,298,870.00	2,298,870.00								
E) LAPTOP COMPUTERS																	
a) Laptop	60%	277,300.00	-	277,300.00	-	277,300.00	-	277,300.00	277,300.00								
b) RAM 3GB	60%	6,930.00	-	6,930.00	-	6,930.00	-	6,930.00	6,930.00								
Total		284,230.00	-	284,230.00	-	284,230.00	-	284,230.00	284,230.00								

Science and Engineering Research Board

Schedules Forming Part of Balance Sheet as at 31.03.2013

Amount in Rs.

SCHEDULE SA-FIXED ASSETS	Rate of Depreciation	CROSS BLOCK				DEPRECIATION			NET BLOCK		
		Cost / valuation as at beginning of the year	Additions during the year 2011-12	Deductions during the year 2011-12	Cost / valuation at the year end 31.03.2012	As at the beginning of the year	On Opening balance	On Additions during the year 2011-12	Total up to the year end 31.03.2012	As at the current year end 31.03.2012	As at the previous year end
2. BUILDING											
a) Interior work FY 2011-12	10%	-	16,893,168.00	-	16,893,168.00	-	-	1,234,028.00	1,234,028.00	15,659,140.00	-
TOTAL OF PREVIOUS YEAR		-	16,893,168.00	-	16,893,168.00	-	-	1,234,028.00	1,234,028.00	15,659,140.00	-

Science and Engineering Research Board

Amount in Rs.

Schedules Forming Part of Balance Sheet as at 31.03.2013

Schedule 9 - Investments from Earmarked/Endowment Funds

Particulars	Current Year	Previous Year
1. In Government Securities	-	-
2. Other approved Securities	-	-
3. Shares	-	-
4. Debentures and Bonds	-	-
5. Subsidiaries and Joint Ventures	-	-
6. Others (to be Specified)	-	-
Total	-	-

Schedule 10 - Investments - Others

Particulars	Current Year	Previous Year
1. In Government Securities	-	-
2. Other approved Securities	-	-
3. Shares	-	-
4. Debentures and Bonds	-	-
5. Subsidiaries and Joint Ventures	-	-
6. Others (to be Specified)	-	-
Total	-	-

Science and Engineering Research Board

Amount in Rs.

Schedules Forming Part of Balance Sheet as at 31.03.2013

Schedule 11 - Current Assets, Loans, Advances Etc

Particulars	Current Year		Previous Year	
A) Current Assets				
1. Inventories :				
a) Stores and Spares		-		-
b) Loose Tools		-		-
c) Stock-in-Trade				
Finished Goods		-		-
Work-in-Progress		-		-
Raw Material		-		-
2. Sundry Debtors :				
a) Debts outstanding for a period exceeding six months		-		-
b) others: M/s Lovely Printers		360.00		-
3. Cash Balances in Hand (including Cheques / Drafts and Imprest)		20,000.00		-
4. Bank Balances :				
a) With Scheduled Banks :				
On Current Accounts	-		-	
On Deposite Accounts	-		-	
On Savings Accounts				
(Union Bank of India)	399,625,400.00	399,625,400.00	307,124,468.00	307,124,468.00
b) With non-Scheduled Banks :				
On Current Accounts	-		-	
On Deposite Accounts	-		-	
On Savings Accounts	-		-	
5. Post Office Savings Accounts	-		-	
Total (A)		399,645,760.00		307,124,468.00

Science and Engineering Research Board

Amount in Rs.

Schedules Forming Part of Balance Sheet as at 31.03.2013

Schedule 11 - Current Assets, Loans, Advances Etc

Particulars	Current Year		Previous Year	
B) Loans, Advances and Other Assets :-				
1. Loans:				
a) Staff Loan		-		-
b) Other entities engaged in activities/ objectives similar to that		-		-
c) Others		-		-
2. Advances and other amounts recoverable in cash or in kind or for value to be received:				
a) On Capital Account : National Desgn Business Incubator, Ahemdabad (For logo of SERB)	200,000.00		200,000.00	
b) Prepayments	-		-	
c) Others- Directorate of Sugar	89,388.00	289,388.00	-	200,000.00
3. Income Accrued:				
a) On Investments from Earmarked/ Endowment Funds	-		-	
b) On Investment – Others	-		-	
c) On Loans and Advances	-		-	
d) Others (includes income due unrealized)	-		-	
Interest accrued on Saving A/c Balance	4,165,698.00	4,165,698.00	-	-
4. Claim Receivable		-		-
Total = (B)		4,455,086.00		200,000.00
Total (A) + (B)		404,100,846.00		307,324,468.00

Science and Engineering Research Board

Amount in Rs.

Schedules Forming Part of Balance Sheet as at 31.03.2013

Schedule 12 - Income From Sales / Services

Particulars	Current Year	Previous Year
1. Income from Sales		
a) Sale of finished Goods	-	-
b) Sale of Row Material	-	-
c) Sale of Scraps	-	-
2. Income from Services		
a) Labour and Processing Charges	-	-
b) Professional / Consultancy Services	-	-
c) Agency Commissions and Brokerages	-	-
d) Maintenance Services (Equipment/Property)	-	-
e) Others (Specify)	-	-
Total	-	-

Schedule 13 - Grants / Subsidies

Particulars	Current Year		Previous Year	
1. From Central Government				
a) Grants in Aid (Capital Assets)	1,840,700,000.00		762,000,000.00	
b) Grant in Aid (General)	2,040,700,000.00		938,000,000.00	
c) Grant in Aid (MFPI)	52,937,500.00			
d) Grant in Aid (Scheduled Castes - Capital)	23,600,000.00		40,000,000.00	
e) Grant in Aid (Scheduled Castes - General)	15,700,000.00		110,000,000.00	
f) Grant in Aid (Scheduled Tribe - Capital)	47,600,000.00		40,000,000.00	
g) Grant in Aid (Scheduled Tribe - General)	31,700,000.00	4,052,937,500.00	110,000,000.00	2,000,000,000.00
2. State Governmetn(s)		-		-
3. Governmetn Agencies		-		-
4. Institutions Organisatins		-		-
5. International Organisations		-		-
6. Other (Specify)		-		-
Total		4,052,937,500.00		2,000,000,000.00



Science and Engineering Research Board

Amount in Rs.

Schedules Forming Part of Balance Sheet as at 31.03.2013

Schedule 14 - Fees / Subscriptions

Particulars	Current Year	Previous Year
1. Entrance Fees	-	-
2. Annual Fees / Subscriptions	-	-
3. Seminar / Program Fees	-	-
4. Consultancy Fee	-	-
5. Others (Specify)	-	-
Total	-	-

Schedule 15 - Income From Investments (Income on Invest. From Earmarked/Endowment Funds transferred to Funds)

Particulars	Investment from Earmarked Funds		Investment -Others	
	Current Year	Previous Year	Current Year	Previous Year
1. Interest				
a) On Govt. Securities	-	-	-	-
b) Other Bonds/Debentures	-	-	-	-
2. Dividends				
a) On shares	-	-	-	-
b) On Mutual Fund Securities	-	-	-	-
3. Rents	-	-	-	-
4. Others (Specify)	-	-	-	-
Total	-	-	-	-
Transferred to Earmarked/ Endowment Funds	-	-		

Schedule 16 - Income from Royalty, Publication Etc.

Particulars	Current Year	Previous Year
1) Income from Royalty	-	-
2) Income from Publications	-	-
3) Other (Specify)	-	-
Total	-	-

Science and Engineering Research Board

Amount in Rs.

Schedules Forming Part of Balance Sheet as at 31.03.2013

Schedule 17 - Interest Earned

Particulars	Current Year	Previous Year
1. On Term Deposits		
a) With Scheduled Banks	-	-
b) With Non-Scheduled Banks	-	-
c) With Institutions	-	-
d) Others	-	-
2. On Savings Accounts		
a) With Scheduled Banks	43,953,930.00	22,097,715.00
b) With Non-Scheduled Banks	-	-
c) Post Office Savings Accounts	-	-
d) Others (Project Interest)	-	-
3. On Loans :		
a) Employees / Staff	-	-
b) Others	-	-
4. Interest on Debtors and Other Receivables	-	-
5. Interest on Refund	18,559.00	-
Total	43,972,489.00	22,097,715.00

Note : Tax deducted at source to be indicated

Schedule 18 - Other Income

Particulars	Current Year	Previous Year
1. Profit on sale / disposal of Assets		
a) Owned assets	-	-
b) Assets acquired out of grants, or received free of cost	-	-
2. Export Incentives realized	-	-
3. Fees for Miscellaneous Services	-	-
4. Miscellaneous Income		
Total	-	-

Science and Engineering Research Board

Amount in Rs.

Schedules Forming Part of Balance Sheet as at 31.03.2013

Schedule 19 - Increase / (Decrease) in stock of Finished Goods & Work in Progress

Particulars	Current Year	Previous Year
a) Closing Stock		
Finished Goods	-	-
Work-in-Progress	-	-
b) Less : Opening Stock		
Finished Goods	-	-
Work-in-Progress	-	-
Total	-	-

Schedule 20 - Refund from Projects

Particulars	Current Year	Previous Year
a) Grants in Aid (Capital Assets)		-
b) Grant in Aid (General)	-	2,501,770.00
c) Grant in Aid (Scheduled Castes - Capital)	-	-
d) Grant in Aid (Scheduled Castes - General)	-	-
e) Grant in Aid (Scheduled Tribe - Capital)	-	-
f) Grant in Aid (Scheduled Tribe - General)	-	-
Total	-	2,501,770.00

Schedule 21 - Refund received against previous year grants

Particulars	Current Year	Previous Year
a) Refund from Projects (PY -Capital) (Annexure -1)	585,000.00	-
b) Refund from Projects (PY -General) (Annexure -2)	9,703,246.00	-
Total	10,288,246.00	-

Science and Engineering Research Board

Amount in Rs.

Schedules Forming Part of Balance Sheet as at 31.03.2013

Schedule 22 - Establishment Expenses

Particulars	Current Year	Previous Year
a) Salaries and Wages	8,733,911.00	1,141,375.00
b) Allowances and Bonus	-	-
c) Contribution to Provident Fund	-	-
d) Contribution to Other Fund (specify)	-	-
e) Staff Welfare Expenses	-	-
f) Expenses on Employee's Retirement & Terminal Benefits	-	-
g) Others (specify)	-	-
Reimbursement of Telephone Expenses	15,483.00	-
Reimbursement of School Fee	15,000.00	-
Total	8,764,394.00	1,141,375.00

Science and Engineering Research Board

Amount in Rs.

Schedules Forming Part of Balance Sheet as at 31.03.2013

Schedule 23 - Other Administrative Expenses

Particulars	Current Year	Previous Year
a) Bank Charges	1,572.00	50.00
b) Car Hire Charges	428,988.00	28,391.00
c) Drafting/Professional Fees	447,140.00	124,000.00
d) Electricity Charges	368,925.00	349,488.00
e) Fee & Taxes	-	154.00
f) Hiring & Installation Charges	-	2,000.00
g) Honorarium Expenses	163,000.00	149,000.00
h) Hospitality Expenses	152,926.00	45,732.00
i) Printing & Stationery	816,041.00	253,254.00
j) Rent	50,225,268.00	42,388,804.00
k) Software Development Charges	-	2,500.00
l) Special Incentive	60,000.00	20,000.00
m) Website Expenses	7,500.00	-
n) Conference Expenses	1,781,669.00	-
o) Conveyance Expenses	3,452.00	-
p) Courier Expenses	119,936.00	-
q) Housekeeping Expenses	147,749.00	-
r) International Conference	96,152.00	-
s) Meeting Expenses	5,660.00	-
t) Repair & Maintenance	6,442.00	-
u) Security Expenses	165,917.00	-
v) Sports & Recreation Club Expenses	15,150.00	-
w) Travelling Expenses (Domestic)	1,051,243.00	610,151.00
x) Travelling Expenses (International)	188,670.00	-
y) Audit Fee	40,000.00	-
z) Miscellaneous Expenses: Office Expenses	155,043.00	-
Staff Welfare	1,100.00	-
Translation Expenses	8,500.00	-
Total	56,458,043.00	43,973,524.00

Science and Engineering Research Board

Amount in Rs.

Schedules Forming Part of Balance Sheet as at 31.03.2013

Schedule 24 - Expenditure on Grants, Subsidies Etc

Particulars	Current Year	Previous Year
Grants given to Institutions/Organisations		
a) Grants in Aid (Capital Assets) (Annexure -3A & 3B)	1,833,575,297.00	758,097,024.00
b) Grant in Aid (General) (Annexure -4A & 4B)	2,037,715,258.00	906,282,433.00
c) Grant in Aid (Scheduled Castes - Capital) (Annexure -5A & 5B)	16,490,000.00	7,748,000.00
d) Grant in Aid (Scheduled Castes - General) (Annexure -6A & 6B)	13,260,000.00	1,653,000.00
e) Grant in Aid (Scheduled Tribe - Capital) (Annexure -7)	8,384,000.00	-
f) Grant in Aid (Scheduled Tribe - General) (Annexure -8)	5,416,000.00	-
g) Grant in Aid (MFPI - Capital) (Annexure -9)	29,290,500.00	-
h) Grant in Aid (MFPI - General) (Annexure -10)	11,309,163.00	-
Total	3,955,440,218.00	1,673,780,457.00

Schedule 25 - Interest

Particulars	Current Year	Previous Year
a) On Fixed Loans (Including Bank Charges)	-	-
b) On Other Loans (Including Bank Charges)	-	-
c) Others (Specify)	-	-
Total	-	-

Schedule 26 - Prior Period Income

Particulars	Current Year	Previous Year
a) Grant-in-Aid (Deemed Rent)	12,638,481.00	-
b) Interest on Saving A/c	7,483,986.00	-
Total	20,122,467.00	-

Schedule 27 - Prior Period Expenditure

Particulars	Current Year	Previous Year
a) Grant-in-Aid (General Expenditure)	145,063.00	-
b) Audit Fee	35,000.00	-
c) Printing & Stationery	13,093.00	-
d) Professional Fees	163,954.00	-
e) Rent	12,638,481.00	-
f) Depreciation on Interior work -FY 2011-12 (Schedule 8A)	1,234,028.00	-
Total	14,229,619.00	-

(A statutory body under Department of Science and Technology, Government of India)

Amount in Rs.

Receipts & Payments for the Year Ended 31.03.2013

Receipts		Current Year	Previous Year	Payments		Current Year	Previous Year
1	Opening Balances			1	Expenses		
a)	Cash in hand	-	-	a)	Establishment Expenses (corresponding to Schedule 22)	8,638,756.00	1,141,375.00
b)	Bank balances			b)	Administrative Expenses (corresponding to Schedule 23)	47,066,319.00	35,315,873.00
	i) In Current Accounts			2	Payments made against funds for various projects		
	ii) In Deposit Accounts				Grants given to Institutions/Organisations		
	iii) Savings Accounts	307,124,468.00	-	a)	Grants in Aid (Capital Assets)	1,845,748,297.00	758,097,024.00
2	Grants Received			b)	Grant in Aid (General)	2,056,510,450.00	906,282,433.00
a)	From Government of India	4,052,937,500.00	2,000,000,000.00	c)	Grant in Aid (Scheduled Castes - Capital)	16,490,000.00	-
b)	From State Government	-	-	d)	Grant in Aid (Scheduled Castes - General)	13,260,000.00	-
c)	From Other Sources (details)	-	-	e)	Grant in Aid (Scheduled Tribe - Capital)	8,384,000.00	-
				f)	Grant in Aid (Scheduled Tribe - General)	5,416,000.00	-
3	Income on Investments from Earmarked/Endowment Funds			g)	Grant in Aid (MFPI - Capital)	29,290,500.00	-
a)	Earmarked/Endowment Funds			h)	Grant in Aid (MFPI - General)	12,008,100.00	-
b)	Own Funds			3	Investments & Deposits made		
4	Interest Received			a)	Out of Earmarked/Endowment Funds	-	-
a)	On Bank Deposits	47,290,777.00	22,097,715.00	b)	Out of Own Funds (Investments-Others)	-	-
b)	Loans Advances etc.	-	-	4	Expenditure on Fixed Assets & Capital Work-in Progress		
5	Other Income (Specify)			a)	Purchase of Fixed Assets	6,624,123.00	7,037,312.00
6	Amount Borrowed			b)	Expenditure on Capital Work-in Progress	-	-
7	Any Other Receipts (Give Details)			5	Refund of surplus money/loans		
a)	Refund from Projects (Annexure 11, 12 & 13)			a)	To the Government of India	-	-
	Grant-in-Aid (Capital)	12,173,000.00	-	b)	To the State Government	-	-
	Grant-in-Aid (General)	18,795,192.00	-	c)	To other providers of Funds	-	-
	Grant-in-Aid (MFPI General)	698,937.00	-	6	Finance Charges (Interest)		
b)	Refunds Received Against Previous	10,288,246.00	2,501,770.00	7	Other Payments (Specify)		

Year Grant (Schedule 21)									
Q. Mahanagar Telephone Nigam Limited	89,388.00								200,000.00
d) VK Agarwal	13,976.00								
e) Grants Pending for Clearance FY 2011-12*	275,742.00								
Loans & Advances									
: National Design Business Incubator,									
: Taj Mahal Hotel								197,169.00	
: SS Kohli								96,152.00	
: VK Agarwal								190,575.00	
: Dr. R Brakaspalhy								5,595.00	
: Dr. Rita Banerjee								4,000.00	
: Survesh Kumar								660.00	
: Deepak Goel								7,500.00	
: Pawan Kumar								70,000.00	
: Amitava Roy								2,997.00	
: Kamlesh Chandra								1,100.00	
Petty Cash Expenses								29,533.00	605,261.00
a Closing Balances									
a) Cash in hand								20,000.00	
b) Bank balances									
i) In Current Accounts									
ii) In Deposit Accounts									
iii) Savings Accounts								399,625,400.00	
Total (i)	4,449,687,226.00								4,449,687,226.00
Total (ii)									2,024,599,485.00
									2,024,599,485.00

* This relates to cheques pending for clearance at the beginning of current year relating to FY 2011-12 and become time barred. Reversal entry for the same has been passed in current year for which payment has been reflected in Receipt & Payment A/c of FY 2011-12.

For Science and Engineering Research Board

Secretary
SERB

Director-Finance
SERB

Date : 26.07.2013
Place : New Delhi

Science and Engineering Research Board

Refunds Received Against Previous Year Grant Refund from Projects (PY -Capital)

Amount in Rs.

Annexure - 1

PARTICULARS	Current Year	Previous Year
1 MAHARANA PRATAP UNIVERSITY OF AGRICULTURE & TECHNOLOGY, UDAIPUR (RC)	3,10,000.00	-
2 UNIVERSITY OF HYDERABAD (RC)	2,75,000.00	-
TOTAL	5,85,000.00	

Received Against Previous Year Grant Refund from Projects (PY -General)

Annexure - 2

PARTICULARS	Current Year	Previous Year
1 ANNA UNIVERSITY, CHENNAI (RG)	76,412.00	-
2 ASSOCIATION OF HYDROLOGISTS OF INDIA, VISAKHAPATNAM (RG)	84,949.00	-
3 BENGAL ENGINEERING & SCIENCE UNIVERSITY, SHIBPUR, HOWRAH (RG)	1,02,113.00	-
4 BHARATHIAR UNIVERSITY, COIMBATORE (RG)	2,83,105.00	-
5 BHARATHIDASAN UNIVERSITY, TIRUCHIRAPPALLI (RG)	101.00	-
6 CENTRAL SALT & MARINE CHEMICALS RESEARCH INSTITUTE (CSMCRI), BHAVNAGAR (RG)	1,35,445.00	-
7 DEFENCE INSTITUTE OF PHYSIOLOGY & ALLIED SCIENCES, DELHI (RG)	50,000.00	-
8 GEOLOGICAL SURVEY OF INDIA, LUCKNOW (RG)	3,45,419.00	-
9 GOVERNMENT HOLKAR COLLEGE, INDORE (RG)	22,642.00	-
10 INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE, KOLKATA (RG)	1,14,325.00	-
11 INDIAN INSTITUTE OF INFORMATION TECHNOLOGY (IIIT), ALLAHABAD (RG)	39,734.00	-
12 INDIAN INSTITUTE OF SCIENCE, BANGALORE (RG)	2,10,923.00	-

Science and Engineering Research Board

Received Against Previous Year Grant Refund from Projects (PY -General)

Annexure - 2

PARTICULARS	Current Year	Previous Year
13 INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, PUNE (RG)	2,74,690.00	-
14 INDIAN INSTITUTE OF TECHNOLOGY, CHENNAI (RG)	5,57,876.00	-
15 INDIAN INSTITUTE OF TECHNOLOGY, DELHI (RG)	58,783.00	-
16 INDIAN INSTITUTE OF TECHNOLOGY, GANDHINAGAR, AHMEDABAD (RG)	1,309.00	-
17 INDIAN INSTITUTE OF TECHNOLOGY, KHARAGPUR (RG)	1,59,920.00	-
18 INDIAN INSTITUTE OF TECHNOLOGY ROPAR, RUPNAGAR (RG)	3,50,000.00	-
19 INDIAN INSTITUTE OF TROPICAL METEOROLOGY, PUNE (RG)	81,792.00	-
20 INDIAN SCHOOL OF MINES UNIVERSITY, DHANBAD (RG)	15,162.00	-
21 INSTITUTE OF INDIAN FOUNDRYMEN, NEW DELHI (RG)	2,75,000.00	-
22 INSTITUTE OF LIFE SCIENCES, HYDERABAD (RG)	508.00	-
23 KUMAON UNIVERSITY, NAINITAL (RG)	12.00	-
24 KURUKSHETRA UNIVERSITY, KURUKSHETRA (RG)	32,561.00	-
25 MADURA COLLEGE , MADURAI (RG)	12,095.00	-
26 MAHARANA PRATAP UNIVERSITY OF AGRICULTURE & TECHNOLOGY, UDAIPUR (RG)	5,90,000.00	-
27 NATIONAL CHEMICAL LABORATORY, PUNE (RG)	95,009.00	-
28 NATIONAL INSTITUTE OF OCEANOGRAPHY, GOA (RG)	1,17,740.00	-
29 NATIONAL INSTITUTE OF OCEANOGRAPHY, KOCHI (RG)	1,29,783.00	-
30 NATIONAL PHYSICAL LABORATORY, NEW DELHI (RG)	1,44,930.00	-
31 PSG COLLEGE OF PHARMACY, PEELAMEDU, COIMBATORE (RG)	10,05,837.00	-
32 PSG INSTITUTE OF ADVANCED STUDIES,		



Science and Engineering Research Board

Received Against Previous Year Grant Refund from Projects (PY -General)

Annexure - 2

PARTICULARS	Current Year	Previous Year
COIMBATORE (RG)	9,57,043.00	-
33 PT. RAVISHANKAR SHUKLA UNIVERSITY, RAIPUR (RG)	2,13,877.00	-
34 PUNJABI UNIVERSITY, PATIALA (RG)	101.00	-
35 SAHA INSTITUTE OF NUCLEAR PHYSICS, KOLKATA (RG)	71,586.00	-
36 SHIVAJI UNIVERSITY, KOLHAPUR (RG)	5,512.00	-
37 SIR PADAMPAT SINGHANIA UNIVERSITY, UDAIPUR (RG)	2,69,080.00	-
38 SRM UNIVERSITY, KATTANKULATHUR (RG)	1,08,144.00	-
39 TRANSLATIONAL HEALTH SCIENCE AND TECHNOLOGY INSTITUTE, GURGAON (RG)	14,60,000.00	-
40 UNIVERSITY OF DELHI, NORTH CAMPUS, DELHI (RG)	96,056.00	-
41 UNIVERSITY OF HYDERABAD (RG)	4,10,000.00	-
42 UNIVERSITY OF KASHMIR, SRINAGAR (RG)	6,25,569.00	-
43 VELLORE INSTITUTE OF TECHNOLOGY UNIVERSITY, VELLORE (RG)	1,17,551.00	-
44 VITTAL MALLYA SCIENTIFIC RESEARCH FOUNDATION, BANGALORE (RG)	552.00	-
TOTAL	97,03,246.00	-

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc. Grants in Aid (Capital Assets)

Annexure - 3A

PARTICULARS	Current Year
1 ABASAHED GARWARE COLLEGE , PUNE (C)	4,32,320.00
2 ABV-INDIAN INSTITUTE OF INFORMATION TECHNOLOGY & MANAGEMENT , GWALIOR (C)	4,48,100.00
3 ADITYA BIOTECH LAB & RESEARCH PVT.LTD , RAIPUR (C)	10,00,000.00
4 ADVANCED CENTRE FOR TREATMENT, RESEARCH & EDUCATION IN CANCER, NAVI MUMBAI (C)	15,84,000.00
5 AGHARKAR RESEARCH INSTITUTE, PUNE (C)	1,35,00,000.00
6 ALAGAPPA GOVT.ARTS COLLEGE , KARAIKUDI (C)	7,50,000.00
7 ALAGAPPA UNIVERSITY, KARAIKUDI (C)	21,73,000.00
8 ALIGARH MUSLIM UNIVERSITY (C)	82,55,000.00
9 ALL INDIA INSTITUTE OF MEDICAL SCIENCES, NEW DELHI (C)	34,62,000.00
10 AMAL JYOTHI COLLEGE OF ENGINEERING , KOOVAPALLY, KOTTAYAM (C)	5,78,283.00
11 AMITY UNIVERSITY HARYANA , GURGAON (C)	3,53,000.00
12 AMITY UNIVERSITY, NOIDA (C)	69,97,000.00
13 AMITY UNIVERSITY, UTTAR PRADESH, LUCKNOW (C)	20,20,000.00
14 AMRITA INSTITUTE OF MEDICAL SCIENCES AND RESEARCH CENTRE, KOCHI (C)	5,48,200.00
15 AMRITA INSTITUTE OF MEDICAL SCIENCES, KOCHI (C)	7,38,000.00
16 AMRITA VISHWA VIDYAPEETHAM , COIMBATORE (C)	41,20,000.00
17 AMRITA VISHWA VIDYAPEETHAM UNIVERSTIY, KOLLAM (C)	1,50,000.00
18 AMRITSAR COLLEGE OF ENGINEERING & TECHNOLOGY , AMRITSAR (C)	16,50,000.00
19 ANAND AGRICULTURAL UNIVERSITY , ANAND (C)	1,81,000.00
20 ANDHRA UNIVERSITY, VISAKHAPATNAM (C)	1,00,000.00
21 ANNAMALAI UNIVERSITY, ANNAMALAINAGAR (C)	63,20,000.00
22 ANNA UNIVERSITY, CHENNAI (C)	6,18,000.00
23 ANNA UNIVERSITY OF TECHNOLOGY, MADURAI (C)	18,70,000.00
24 ANNA UNIVERSITY OF TECHNOLOGY, TIRUCHIRAPPALI (C)	34,00,000.00
25 ANNA UNIVERSITY OF TECHNOLOGY TIRUNELVELI , NAGARCOIL (C)	5,40,000.00
26 ANNA UNIVERSITY, TIRUNALVELI (C)	8,05,000.00
27 AP STATE SERICULTURE RESEARCH AND DEVELOPMENT INSTITUTE , KIRIKERA (C)	3,00,000.00
28 ARAVIND MEDICAL RESEARCH FOUNDATION ,	

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc. Grants in Aid (Capital Assets)

Annexure - 3A

PARTICULARS	Current Year
MADURAI (C)	1,90,000.00
29 A. R. COLLEGE OF PHARMACY & G. H. PATEL INSTITUTE OF PHARMACY , VALLABHVIDYANAGAR ©	13,00,000.00
30 ARYA VIDYAPEETH COLLEGE, GUWAHATI (C)	2,55,000.00
31 ASHOKA TRUST FOR RESEARCH IN ECOLOGY AND THE ENVIRONMENT , BANGALORE (C)	9,62,000.00
32 ASSAM AGRICULTURAL UNIVERSITY, JORHAT (C)	6,00,000.00
33 ASSAM ENGINEERING COLLEGE , GUWAHATI (C)	16,00,000.00
34 ASSAM UNIVERSITY, SILCHAR (C)	73,39,000.00
35 AYYA NADAR JANAKI AMMAL COLLEGE, SIVAKASI (C)	9,89,775.00
36 BABASAHEB BHIMRAO AMBEDKAR UNIVERSITY, LUCKNOW (C)	19,60,000.00
37 BAHRA UNIVERSITY, SOLAN (C)	12,25,000.00
38 BANARAS HINDU UNIVERSITY, VARANASI (C)	1,56,24,000.00
39 BANASTHALI VIDYAPITH , BANASTHALI (C)	10,24,000.00
40 BANGALORE UNIVERSITY, BANGALORE (C)	31,60,000.00
41 BANNARI AMMAN INSTITUTE OF TECHNOLOGY , SATHYAMANGALAM (C)	5,90,000.00
42 BANWARILAL BHALOTIA COLLEGE, ASANSOL (C)	12,00,000.00
43 BBK DAV COLLEGE FOR WOMEN , AMRITSAR (C)	4,00,000.00
44 BENGAL ENGINEERING AND SCIENCE UNIVERSITY, HOWRAH (C)	1,19,47,000.00
45 BHARATHIAR UNIVERSITY, COIMBATORE (C)	73,13,600.00
46 BHARATHIDASAN UNIVERSITY, TIRUCHIRAPPALLI (C)	35,24,000.00
47 BHARATI VIDYAPEETH DEEMED UNIVERSITY , PUNE (C)	16,91,000.00
48 BIHAR AGRICULTURAL UNIVERSITY , BHAGALPUR (C)	5,00,000.00
49 BIRBHUM INSTITUTE OF ENGINEERING AND TECHNOLOGY , BIRBHUM (C)	6,00,000.00
50 BIRLA INSTITUTE OF TECHNOLOGY AND SCIENCE- PILANI, GOA (C)	77,94,000.00
51 BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI (C)	54,35,000.00
52 BIRLA INSTITUTE OF TECHNOLOGY & SCIENCE-PILANI, HYDERABAD (C)	54,08,000.00
53 BIRLA INSTITUTE OF TECHNOLOGY & SCIENCE, PILANI, RAJASTHAN(C)	1,27,38,000.00
54 BOSE INSTITUTE, KOLKATA (C)	10,15,36,162.00
55 B. S. ABDUR RAHMAN UNIVERSITY, CHENNAI (C)	37,00,000.00
56 BUNDELKHAND UNIVERSITY , JHANSI (C)	6,49,000.00

Science and Engineering Research Board

Expenditure on Grants , Subsidies etc. Grants in Aid (Capital Assets)

Annexure - 3A

PARTICULARS	Current Year
57 C.ABDUL HAKEEM COLLEGE , MELVISHARAM (C)	7,80,000.00
58 CANCER INSTITUTE(WIA), CHENNAI (C)	8,00,00,000.00
59 CENTRAL AGRICULTURAL UNIVERSITY, IMPHAL (C)	1,50,000.00
60 CENTRAL ARID ZONE RESEARCH INSTITUTE , JODHPUR (C)	9,05,000.00
61 CENTRAL DRUG RESEARCH INSTITUTE, LUCKNOW (C)	54,55,000.00
62 CENTRAL ELECTROCHEMICAL RESEARCH INSTITUTE, KARAIKUDI (C)	31,40,000.00
63 CENTRAL FOOD TECHNOLOGICAL RESEARCH INSTITUTE, MYSORE (C)	10,00,000.00
64 CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE , KOLKATA (C)	11,49,000.00
65 CENTRAL INSTITUTE FOR RESEARCH ON GOATS, FARAH (C)	10,00,000.00
66 CENTRAL INSTITUTE OF FRESHWATER AQUACULTURE, BHUBANESWAR (C)	3,50,000.00
67 CENTRAL INSTITUTE OF MEDICINAL & AROMATIC PLANTS, LUCKNOW (C)	58,34,000.00
68 CENTRAL LEATHER RESEARCH INSTITUTE, CHENNAI (C)	79,30,000.00
69 CENTRAL MARINE FISHERIES RESEARCH INSTITUTE, ERNAKULAM (C)	6,00,000.00
70 CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR (C)	26,50,000.00
71 CENTRAL MUGA ERI RESEARCH & TRAINING CENTRE, JORHAT (C)	22,16,000.00
72 CENTRAL RESEARCH INSTITUTE FOR DRYLAND AGRICULTURE , HYDERABAD (C)	22,00,000.00
73 CENTRAL RICE RESEARCH INSTITUTE , CUTTACK (C)	7,00,000.00
74 CENTRAL SALT & MARINE CHEMICALS RESEARCH INSTITUTE, BHAVNAGAR (C)	20,73,000.00
75 CENTRAL SERICULTURAL RESEARCH AND TRAINING INSTITUTE , MYSORE (C)	1,94,000.00
76 CENTRAL UNIVERSITY OF GUJARAT , GANDHINAGAR (C)	3,15,000.00
77 CENTRAL UNIVERSITY OF JHARKHAND, RANCHI, BRAMBE(C)	14,60,000.00
78 CENTRAL UNIVERSITY OF KERALA , KASARAGOD (C)	22,46,000.00
79 CENTRAL UNIVERSITY OF PUNJAB, BATHINDA (C)	17,00,000.00
80 CENTRE FOR BIOMEDICAL MAGNETIC RESONANCE , LUCKNOW (C)	22,20,000.00
81 CENTRE FOR CELLULAR AND MOLECULAR BIOLOGY, HYDERABAD (C)	18,50,000.00

Science and Engineering Research Board

Expenditure on Grants , Subsidies etc. Grants in Aid (Capital Assets)

Annexure - 3A

PARTICULARS	Current Year
82 CENTRE FOR MATERIALS FOR ELECTRONICS TECHNOLOGY(C-MET) , THRISSUR (C)	1,25,000.00
83 CENTRE FOR SOFT MATTER RESEARCH , BANGALORE (C)	52,50,000.00
84 CENTRE FOR TECHNOLOGY DEVELOPMENT AND TRANSFER, ANNA UNIVERSITY , CHENNAI (C)	52,97,639.00
85 CHAROTAR UNIVERSITY OF SCIENCE & TECHNOLOGY , ANAND (C)	11,23,000.00
86 CHATTANYA BHARATHI INSTITUTE OF TECHNOLOGY , HYDERABAD (C)	50,000.00
87 CH. CHARAN SINGH UNIVERSITY, MEERUT (C)	33,02,000.00
88 CHITRARANJAN NATIONAL CANCER INSTITUTE , KOLKATA(C)	5,56,000.00
89 CHRISTIAN MEDICAL COLLEGE, VELLORE (C)	19,20,000.00
90 COLLEGE OF ENGINEERING AND TECHNOLOGY BIKANER , BIKANER (C)	60,000.00
91 COLLEGE OF ENGINEERING GUINDY ANNA UNIVERSITY , CHENNAI (C)	24,75,000.00
92 COLLEGE OF ENGINEERING, PUNE (C)	8,50,000.00
93 CSIR-CENTRAL INSTITUTE OF MINING AND FUEL RESEARCH, DHANBAD (C)	41,34,000.00
94 CSK HIMACHAL PRADESH AGRICULTURAL UNIVERSITY, PALAMPUR (C)	12,95,000.00
95 CV RAMAN COLLEGE OF ENGINEERING , BHUBANESWAR (C)	10,00,000.00
96 DEENBANDHU CHHOTU RAM UNIVERSITY OF SCIENCE & TECHNOLOGY , SONEPAT (C)	11,30,000.00
97 DEENDAYAL UPADHYAY GORAKHPUR UNIVERSITY, GORAKHPUR (C)	12,30,000.00
98 DEFENCE INSTITUTE OF ADVANCED TECHNOLOGY (DIAT) , PUNE (C)	3,00,000.00
99 DELHI INSTITUTE OF PHARMACEUTICAL SCIENCES & RESEARCH (DIPSAR) , NEW DELHI (C)	9,50,000.00
100 DELHI TECHNOLOGICAL UNIVERSITY(FORMERLY DCE), DELHI (C)	40,95,000.00
101 DEOGIRI COLLEGE, AURANGABAD (C)	12,00,000.00
102 DESHABANDHU MAHAVIDYALAYA , BURDWAN (C)	7,50,000.00
103 DEVI AHILYA UNIVERSITY, INDORE (C)	5,06,000.00
104 DEV SANSKRITI VISHWAVIDYALAYA , HARIDWAR (C)	2,25,000.00
105 DHIRUBHAI AMBANI INSTITUTE OF INFORMATION &	

Science and Engineering Research Board

Expenditure on Grants , Subsidies etc. Grants in Aid (Capital Assets)

Annexure - 3A

PARTICULARS	Current Year
COMMUNICATION TECHNOLOGY, GANDHINAGAR (C)	3,46,000.00
106 DIBRUGARH UNIVERSITY, ASSAM (C)	30,05,000.00
107 DINBANDHU MAHAVIDYALAYA , BONGAON (C)	8,40,000.00
108 DIRECTORATE OF RICE RESEARCH , HYDERABAD (C)	2,50,000.00
109 D.M.COLLEGE OF SCIENCE , IMPHAL (C)	4,67,000.00
110 DOON UNIVERSITY, KEDARPUR, DEHRADUN (C)	3,20,000.00
111 Dr.BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD (C)	55,19,000.00
112 DR. BHANUBEN NANAVATI COLLEGE OF PHARMACY, MUMBAI (C)	7,50,000.00
113 DR. B. R. AMBEDKAR CENTRE FOR BIOMEDICAL RESEARCH, DELHI (C)	46,24,000.00
114 DR. BR AMBEDKAR NATIONAL INSTITUTE OF TECHNOLOGY, JALANDHAR (C)	13,20,000.00
115 Dr. DY PATIL BIOTECHNOLOGY & BIOINFORMATICS INSTITUTE , PUNE (C)	8,87,000.00
116 Dr.MAHALINGAM COLLEGE OF ENGINEERING AND TECHNOLOGY , POLLACHI (C)	12,50,000.00
117 DR. M.G.R. EDUCATIONAL AND RESEARCH INSTITUTE, CHENNAI (C)	6,90,000.00
118 DR. RAM MANOHAR LOHIA HOSPITAL, NEW DELHI (C)	3,00,000.00
119 DR. YS PARMAR UNIVERSITY OF HORTICULTURE & FORESTRY, SOLAN (C)	7,50,000.00
120 DAYAL SINGH COLLEGE, KARNAL (C)	42,000.00
121 DAYAL SINGH COLLEGE, NEW DELHI (C)	2,00,000.00
122 FACULTY OF ARTS & COMMERCE , LAKSHMANGARH (C)	8,90,000.00
123 FAKIR MOHAN UNIVERSITY, BALASOURE (C)	5,66,000.00
124 FUTURE INSTITUTE OF ENGINEERING & MANAGEMENT , KOLKATA (C)	6,50,000.00
125 GANDHIGRAM RURAL INSTITUTE-DEEMED UNIVERSITY , GANDHIGRAM (C)	15,00,000.00
126 GAUHATI UNIVERSITY , GAUHATI (C)	37,00,000.00
127 GAUHATI UNIVERSITY, GUWAHATI (C)	11,00,000.00
128 GAUTAM BUDDHA UNIVERSITY, GREATER NOIDA (C)	20,05,000.00
129 G. B. PANT INSTITUTE OF HIMALAYAN ENVIRONMENT AND DEVELOPMENT , ALMORA (C)	6,66,000.00
130 GB PANT UNIVERSITY OF AGRICULTURE & TECHNOLOGY, PANTNAGAR (C)	3,78,000.00
131 GITAM INSTITUTE OF TECHNOLOGY, GITAM UNIVERSITY ,	



Science and Engineering Research Board

Expenditure on Grants , Subsidies etc. Grants in Aid (Capital Assets)

Annexure - 3A

PARTICULARS	Current Year
VISAKHAPATNAM (C)	11,44,000.00
132 GITAM UNIVERSITY, VISAKHAPATNAM (C)	23,80,000.00
133 GOALPARA COLLEGE , GOALPARA, ASSAM (C)	1,76,000.00
134 GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING AND TECHNOLOGY , HYDERABAD (C)	5,30,000.00
135 GOVERNMENT COLLEGE FOR WOMEN , TANJORE (C)	3,85,000.00
136 GOVERNMENT COLLEGE OF PHARMACY , KARAD (C)	5,00,000.00
137 GOVERNMENT ENGINEERING COLLEGE, AJMER (C)	13,00,000.00
138 GOVERNMENT ENGINEERING COLLEGE , HASSAN (C)	7,60,000.00
139 GOVERNMENT SERCHHIP COLLEGE, SERCHHIP (C)	1,00,000.00
140 GURU ANGAD DEV VETERINARY & ANIMAL SCIENCES UNIVERSITY , LUDHIANA (C)	5,88,000.00
141 GURU GHASIDAS UNIVERSITY, BILASPUR (C)	10,13,000.00
142 GURU GOVIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI (C)	14,58,000.00
143 GURUKULA KANGRI UNIVERSITY , HARIDWAR (C)	1,34,000.00
144 GURU NANAK COLLEGE, CHENNAI (C)	8,30,000.00
145 GURU NANAK DEV ENGINEERING COLLEGE, LUDHIANA (C)	5,38,000.00
146 GURU NANAK DEV UNIVERSITY, AMRITSAR (C)	1,43,18,667.00
147 HALDIA INSTITUTE OF TECHNOLOGY, MIDNAPORE (C)	12,95,000.00
148 HARISH CHANDRA P.G.COLLEGE , VARANASI (C)	1,00,000.00
149 HEMWATI NANDAN BAHUGUNA GARHWAL UNIVERSITY , SHRINAGAR GARHWAL (C)	3,15,000.00
150 HIMALAYAN FOREST RESEARCH INSTITUTE, SHIMLA (C)	10,00,000.00
151 HINDU COLLEGE , DELHI (C)	9,00,000.00
152 HKBK COLLEGE OF ENGINEERING , BANGALORE (C)	21,00,000.00
153 HLL LIFE CARE LIMITED, THIRUVANANTHAPURAM (C)	1,00,000.00
154 HYDERABAD EYE RESEARCH FOUNDATION, HYDERABAD (C)	10,00,000.00
155 ICAR UNIT NRCM , SOLAN (C)	1,25,000.00
156 IMPHAL COLLEGE , IMPHAL (C)	1,18,000.00
157 INDIAN AGRICULTURAL RESEARCH INSTITUTE, NEW DELHI (C)	60,58,000.00
158 INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE, KOLKATA (C)	2,07,07,600.00
159 INDIAN GRASSLAND AND FODDER RESEARCH INSTITUTE , JHANSI (C)	7,00,000.00
160 INDIAN INSTITUTE OF ADVANCED RESEARCH , KOBA (C)	11,20,000.00
161 INDIAN INSTITUTE OF ASTROPHYSICS, BANGALORE (C)	10,50,00,000.00
162 INDIAN INSTITUTE OF CHEMICAL BIOLOGY , KOLKATA (C)	17,08,000.00

Science and Engineering Research Board

Expenditure on Grants , Subsidies etc. Grants in Aid (Capital Assets)

Annexure - 3A

PARTICULARS	Current Year
163 INDIAN INSTITUTE OF CHEMICAL TECHNOLOGY, HYDERABAD (C)	71,63,000.00
164 INDIAN INSTITUTE OF INFORMATION TECHNOLOGY DESIGN AND MANUFACTURING(IIITD&M) , CHENNAI (C)	12,00,000.00
165 INDIAN INSTITUTE OF INFORMATION TECHNOLOGY & MANAGEMENT , TRIVANDRUM (C)	13,75,900.00
166 INDIAN INSTITUTE OF INTEGRATIVE MEDICINE, JAMMU (C)	16,02,000.00
167 INDIAN INSTITUTE OF SCIENCE, BANGALORE (C)	9,17,64,600.00
168 INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, BHOPAL (C)	1,83,14,712.00
169 INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, PUNE (C)	42,99,000.00
170 INDIAN INSTITUTE OF SCIENCE EDUCATION & RESEARCH, KOLKATA (C)	1,10,50,000.00
171 INDIAN INSTITUTE OF SCIENCE EDUCATION & RESEARCH, MOHALI, CHANDIGARH (C)	27,30,000.00
172 INDIAN INSTITUTE OF TECHNOLOGY, AHMEDABAD (C)	7,50,000.00
173 INDIAN INSTITUTE OF TECHNOLOGY, BHUBANESWAR (C)	1,05,95,000.00
174 INDIAN INSTITUTE OF TECHNOLOGY, CHENNAI (C)	4,59,61,514.00
175 INDIAN INSTITUTE OF TECHNOLOGY, DELHI (C)	2,05,32,200.00
176 INDIAN INSTITUTE OF TECHNOLOGY, GANDHINAGAR (C)	79,99,500.00
177 INDIAN INSTITUTE OF TECHNOLOGY, GUWAHATI (C)	3,55,59,000.00
178 INDIAN INSTITUTE OF TECHNOLOGY, HYDERABAD (C)	1,62,60,512.00
179 INDIAN INSTITUTE OF TECHNOLOGY, INDORE (C)	96,19,800.00
180 INDIAN INSTITUTE OF TECHNOLOGY, KANPUR (C)	3,30,32,090.00
181 INDIAN INSTITUTE OF TECHNOLOGY, KHARAGPUR (C)	2,76,86,292.00
182 INDIAN INSTITUTE OF TECHNOLOGY, MANDI- HP (C)	41,40,000.00
183 INDIAN INSTITUTE OF TECHNOLOGY, MUMBAI (C)	13,29,48,389.00
184 INDIAN INSTITUTE OF TECHNOLOGY, PATNA (C)	36,10,000.00
185 INDIAN INSTITUTE OF TECHNOLOGY RAJASTHAN, RATANADA , JODHPUR (C)	19,40,000.00
186 INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE (C)	2,09,50,755.00
187 INDIAN INSTITUTE OF TECHNOLOGY ROPAR, RUPNAGAR (C)	15,76,269.00
188 INDIAN INSTITUTE OF TOXICOLOGY RESEARCH , LUCKNOW (C)	5,00,000.00
189 INDIAN INSTITUTE OF TROPICAL METEOROLOGY,	

Science and Engineering Research Board

Expenditure on Grants , Subsidies etc. Grants in Aid (Capital Assets)

Annexure - 3A

PARTICULARS	Current Year
PUNE (C)	5,10,000.00
190 INDIAN SCHOOL OF MINES, DHANBAD (C)	27,41,800.00
191 INDIAN VETERINARY RESEARCH INSTITUTE, BAREILLY (C)	15,00,000.00
192 INDRA GANESAN COLLEGE OF ENGINEERING , TIRUCHIRAPPALLI (C)	7,14,000.00
193 INDRAPRASTHA INSTITUTE OF INFORMATION TECHNOLOGY (IIIT), NEW DELHI (C)	12,81,000.00
194 INSTITUTE FOR PLASMA RESEARCH , GANDHINAGAR (C)	10,00,000.00
195 INSTITUTE OF BIOINFORMATICS TRUST , BANGALORE (C)	3,00,000.00
196 INSTITUTE OF CHEMICAL TECHNOLOGY, MUMBAI (C)	13,63,000.00
197 INSTITUTE OF CYTOLOGY & PREVENTIVE ONCOLOGY , NOIDA (C)	19,92,000.00
198 INSTITUTE OF HIMALAYAN BIORESOURCE TECHNOLOGY, PALAMPUR (C)	45,00,000.00
199 INSTITUTE OF LIFE SCIENCES, HYDERABAD (C)	9,80,000.00
200 INSTITUTE OF MICROBIAL TECHNOLOGY, CHANDIGARH (C)	21,45,000.00
201 INSTITUTE OF MINERALS AND MATERIALS TECHNOLOGY, BHUBANESWAR (C)	7,50,000.00
202 INSTITUTE OF MOLECULAR MEDICINE , NEW DELHI (C)	3,15,000.00
203 INSTITUTE OF TECHNOLOGY & MANAGEMENT UNIVERSE , VADODARA (C)	6,10,000.00
204 INSTITUTE OF WOOD SCIENCE & TECHNOLOGY, BANGALORE (C)	15,00,000.00
205 INTEGRAL UNIVERSITY, LUCKNOW (C)	7,00,000.00
206 INTERACTIVE RESEARCH SCHOOL FOR HEALTH AFFAIRS, BHARATI VIDYAPEETH UNIVERSITY, PUNE (C)	10,03,000.00
207 INTERNATIONAL CENTRE FOR GENETIC ENGINEERING & BIOTECHNOLOGY, NEW DELHI (C)	6,00,000.00
208 INTERNATIONAL CROPS RESEARCH INSTITUTE FOR SEMI-ARID TROPICS , PATANCHERU (C)	8,25,000.00
209 INTERNATIONAL INSTITUTE OF INFORMATION TECHNOLOGY, HYDERABD (C)	2,50,000.00
210 INTER UNIVERSITY ACCELERATOR CENTRE, NEW DELHI (C)	5,11,30,000.00

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc. Grants in Aid (Capital Assets)

Annexure - 3A

PARTICULARS	Current Year
211 INTER UNIVERSITY CENTRE FOR ASTRONOMY AND ASTROPHYSICS, PUNE (C)	11,00,000.00
212 I.S.F. COLLEGE OF PHARMACY, MOGA (C)	9,30,000.00
213 JADAVPUR UNIVERSITY, KOLKATA (C)	1,04,40,960.00
214 JAI NARAIN VYAS UNIVERSITY, JODHPUR (C)	2,75,000.00
215 JAIN UNIVERSITY, BANGALORE (C)	12,00,000.00
216 JAIN UNIVERSITY, JAIN GLOBAL CAMPUS, RAMANAGARA (C)	7,00,000.00
217 JAMIA HAMDARD (HAMDARD UNIVERSITY), NEW DELHI (C)	45,10,000.00
218 JAMIA MILLIA ISLAMIA, NEW DELHI (C)	82,04,408.00
219 JAWAHARLAL NEHRU CENTRE FOR ADVANCED SCIENTIFIC RESEARCH, BANGALORE (C)	15,75,000.00
220 JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD (C)	10,72,000.00
221 JAWAHARLAL NEHRU UNIVERSITY, NEW DELHI (C)	34,08,000.00
222 JAYARAM COLLEGE OF ENGINEERING & TECHNOLOGY, TRICHY (C)	10,00,000.00
223 JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, SOLAN (C)	47,09,000.00
224 J.D.PATIL SANLUDKAR MAHAVIDYALAYA, DARYAPUR (C)	8,00,000.00
225 JIWAJI UNIVERSITY, GWALIOR (C)	13,50,000.00
226 JOGESH CHANDRA CHAUDHURI COLLEGE, KOLKATA (C)	6,65,000.00
227 JSS COLLEGE OF ARTS COMMERCE AND SCIENCE, MYSORE (C)	14,00,000.00
228 JSS UNIVERSITY, MYSORE (C)	3,35,000.00
229 KALASALINGAM UNIVERSITY, KRISHNANKOIL (C)	35,75,000.00
230 KALINGA INSTITUTE OF INDUSTRIAL TECHNOLOGY UNIVERSITY, BHUBANESWAR (C)	9,50,000.00
231 KARNATAKA UNIVERSITY, DHARWAD (C)	9,75,000.00
232 KARPAGAM UNIVERSTIY, COIMBATORE (C)	22,86,000.00
233 KARUNYA UNIVERSITY, COIMBATORE (C)	19,50,000.00
234 KASTURBA MEDICAL COLLEGE, MANIPAL (C)	24,80,000.00
235 KERALA FOREST RESEARCH INSTITUTE, THRISSUR (C)	5,00,000.00
236 KHALSA COLLEGE AMRITSAR, AMRITSAR (C)	11,00,000.00
237 KIDWAI MEMORIAL INSTITUTE OF ONCOLOGY, BANGALORE (C)	4,68,000.00



Science and Engineering Research Board

Expenditure on Grants , Subsidies etc. Grants in Aid (Capital Assets)

Annexure - 3A

PARTICULARS	Current Year
238 KING GEORGE'S MEDICAL UNIVERSITY , LUCKNOW (C)	8,85,000.00
239 KIRORI MAL COLLEGE , DELHI (C)	5,90,000.00
240 K L E F UNIVERSITY, VADDESARAM (C)	9,18,000.00
241 K.L. UNIVERSITY, VADDESARAM (C)	16,38,000.00
242 KRISHNA UNIVERSITY , MACHILIPATNAM (C)	20,00,000.00
243 K.R.T. ARTS, B.H. COMMERCE & A.M. SCIENCE COLLEGE, NASHIK (C)	2,50,000.00
244 K.S.R COLLEGE OF ENGINEERING, TIRUCHENGODE (C)	13,72,000.00
245 KUMARAGURU COLLEGE OF TECHNOLOGY, COIMBATORE (C)	1,50,000.00
246 KUMAUN UNIVERSITY, NAINITAL (C)	8,34,000.00
247 KURIAKOSE ELIAS (KE) COLLEGE, MANNANAM (C)	5,95,000.00
248 KURUKSHETRA UNIVERSITY, KURUKSHETRA (C)	17,46,000.00
249 KUVEMPU UNIVERSITY, SHIMOGA (C)	15,00,000.00
250 LADY DOAK COLLEGE, MADURAI (C)	31,41,000.00
251 LUCKNOW UNIVERSITY (C)	17,98,000.00
252 L.V.PRASAD EYE INSTITUTE , BHUBANESWAR (C)	12,45,000.00
253 LYALLPUR KHALSA COLLEGE , JALANDHAR (C)	9,00,000.00
254 MADURAI KAMARAJ UNIVERSITY, MADURAI (C)	1,12,30,000.00
255 MAHANAND MISSION HARIJAN COLLEGE, GHAZIABAD (C)	29,00,000.00
256 MAHARASHTRAANIMAL AND FISHERY SCIENCES UNIVERSITY, NAGPUR (C)	24,32,000.00
257 MAHARISHI DAYANAND UNIVERSITY , ROHTAK (C)	54,70,000.00
258 MAHATMA GANDHI UNIVERSITY, KOTTAYAM (C)	8,90,000.00
259 MAHILA PG MAHAVIDYALAYA , JODHPUR (C)	4,00,000.00
260 MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY, JAIPUR (C)	24,25,000.00
261 MANGALORE UNIVERSITY, MANGALAGANGOTHRI, DAKSHINA KANNADA (C)	11,50,000.00
262 MANIPAL COLLEGE OF PHARMACEUTICAL SCIENCES , MANIPAL (C)	5,72,000.00
263 MANIPAL INSTITUTE OF TECHNOLOGY, MANIPAL (C)	6,60,000.00
264 MANIPUR UNIVERSITY , IMPHAL (C)	57,02,600.00
265 MANONMANIAM SUNDARANAR UNIVERSITY, TIRUNELVELI (C)	11,50,000.00
266 MAR THOMA COLLEGE , TIRUVALLA (C)	15,88,205.00
267 MAULANA AZAD NATIONAL INSTITUTE OF TECHNOLOGY,	

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc. Grants in Aid (Capital Assets)

Annexure - 3A

PARTICULARS	Current Year
BHOPAL (C)	14,00,000.00
268 MAULAN AZAD COLLEGE , KOLKATA (C)	9,00,000.00
269 MIDNAPORE COLLEGE , MIDNAPORE (C)	16,00,000.00
270 MIMS RESEARCH FOUNDATION , CALICUT (C)	11,50,000.00
271 MIZORAM UNIVERSITY, AIZAWL (C)	49,33,668.00
272 MOHAMED SATHAK ENGINEERING COLLEGE , KILAKARAI (C)	13,50,000.00
273 MOHANLAL SUKHADIA UNIVERSITY, UDAIPUR (C)	3,64,000.00
274 MOTHER TERESA WOMEN'S UNIVERSITY, KODAIKANAL (C)	1,90,000.00
275 MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY, ALLAHABAD (C)	23,54,600.00
276 M. S. RAMAIAH INSTITUTE OF TECHNOLOGY, BANGALORE (C)	11,15,000.00
277 MUTHURANGAM GOVT.ARTS COLLEGE , VELLORE (C)	8,50,000.00
278 NAGALAND UNIVERSITY , KOHIMA (C)	1,41,000.00
279 NATIONAL AGRI-FOOD BIOTECHNOLOGY INSTITUTE , MOHALI (C)	2,70,000.00
280 NATIONAL BOTANICAL RESEARCH INSTITUTE, LUCKNOW (C)	24,98,000.00
281 NATIONAL BUREAU OF PLANT GENETIC RESOURCES , NEW DELHI (C)	5,90,000.00
282 NATIONAL CENTRE FOR BIOLOGICAL SCIENCES , BANGALORE (C)	10,88,000.00
283 NATIONAL CHEMICAL LABORATORY, PUNE (C)	62,35,000.00
284 NATIONAL COLLEGE , TIRUCHIRAPPALLI (C)	7,90,000.00
285 NATIONAL DAIRY RESEARCH INSTITUTE , KARNAL (C)	94,000.00
286 NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE , NAGPUR (C)	1,50,000.00
287 NATIONAL INSTITUTE FOR INTERDISCIPLINARY SCIENCE & TECHNOLOGY , THIRUVANANTHAPURAM (C)	26,10,381.00
288 NATIONAL INSTITUTE FOR RESEARCH IN REPRODUCTIVE HEALTH(ICMR) , MUMBAI (C)	18,85,000.00
289 NATIONAL INSTITUTE OF BIOMEDICAL GENOMICS, KALYANI (C)	3,45,000.00
290 NATIONAL INSTITUTE OF FOUNDRY AND FORGE TECHNOLOGY , HATIA, RANCHI (C)	7,90,000.00
291 NATIONAL INSTITUTE OF IMMUNOLOGY, NEW DELHI (C)	16,35,000.00
292 NATIONAL INSTITUTE OF MENTAL HEALTH AND NEURO	

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc. Grants in Aid (Capital Assets)

Annexure - 3A

PARTICULARS	Current Year
SCIENCES , BANGALORE (C)	7,78,000.00
293 NATIONAL INSTITUTE OF OCEANOGRAPHY, GOA (C)	13,56,000.00
294 NATIONAL INSTITUTE OF PHARMACEUTICAL EDUCATION & RESEARCH (NIPER), PUNJAB (C)	26,00,000.00
295 NATIONAL INSTITUTE OF PLANT GENOME RESEARCH, NEW DELHI (C)	8,50,000.00
296 NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, BHUBANESWAR (C)	1,42,10,000.00
297 NATIONAL INSTITUTE OF TECHNOLOGY, ASSAM (C)	6,56,000.00
298 NATIONAL INSTITUTE OF TECHNOLOGY, CALICUT (C)	1,40,43,000.00
299 NATIONAL INSTITUTE OF TECHNOLOGY, DURGAPUR (C)	84,20,000.00
300 NATIONAL INSTITUTE OF TECHNOLOGY, HAMIRPUR, HP (C)	10,70,000.00
301 NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL (C)	24,92,180.00
302 NATIONAL INSTITUTE OF TECHNOLOGY, KURUKSHTRA (C)	5,86,000.00
303 NATIONAL INSTITUTE OF TECHNOLOGY , RAIPUR (C)	3,00,000.00
304 NATIONAL INSTITUTE OF TECHNOLOGY, ROURKELA (C)	2,03,75,155.00
305 NATIONAL INSTITUTE OF TECHNOLOGY, SIKKIM (C)	13,00,000.00
306 NATIONAL INSTITUTE OF TECHNOLOGY , SRINAGAR (C)	5,50,000.00
307 NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI (C)	80,56,187.00
308 NATIONAL INSTITUTE OF TECHNOLOGY , TRIPURA (C)	36,84,000.00
309 NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL (C)	40,50,000.00
310 NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR (C)	3,50,000.00
311 NATIONAL PHYSICAL LABORATORY, NEW DELHI (C)	11,50,000.00
312 NATIONAL RESEARCH CENTRE FOR BANANA , TIRUCHIRAPPALLI (C)	70,000.00
313 NATIONAL RESEARCH CENTRE ON EQUINES , HISAR (C)	3,00,000.00
314 NATIONAL RESEARCH CENTRE ON PLANT BIOTECHNOLOGY, IARI , NEW DELHI (C)	2,00,000.00
315 NEHRU MEMORIAL COLLEGE , TIRUCHIRAPPALLI (C)	2,66,000.00
316 NETAJI SUBHASH INSTITUTE OF TECHNOLOGY , NEW DELHI (C)	7,03,000.00
317 NIIT UNIVERSITY, NEEMRANA, RAJASTHAN (C)	3,50,000.00
318 NITTE MEENAKSHI INSTITUTE OF TECHNOLOGY , BANGALORE (C)	15,00,000.00

Science and Engineering Research Board

Expenditure on Grants , Subsidies etc. Grants in Aid (Capital Assets)

Annexure - 3A

PARTICULARS	Current Year
319 NITTE UNIVERSITY , MANGALORE (C)	15,75,000.00
320 NIZAM'S INSTITUTE OF MEDICAL SCIENCES, HYDERABAD (C)	22,08,000.00
321 NMAM INSTITUTE OF TECHNOLOGY , NITTE, UDUPI (C)	12,00,000.00
322 NOORUL ISLAM CENTER FOR HIGHER EDUCATION, KANYAKUMARI (C)	15,50,000.00
323 NORTH EASTERN HILL UNIVERSITY, SHILLONG (C)	39,19,000.00
324 NORTH-EAST INSTITUTE OF SCIENCE AND TECHNOLOGY, JORHAT (C)	34,51,800.00
325 NORTH MAHARASHTRA UNIVERSITY, JALGAON (C)	21,66,600.00
326 NORTH ORISSA UNIVERSITY, BARIPADA (C)	8,86,000.00
327 N.S.S. COLLEGE , PATHANAMTHITTA (C)	8,00,000.00
328 OSMANIA UNIVERSITY, HYDERABAD (C)	18,66,000.00
329 PACHHUNGA UNIVERSITY COLLEGE, AIZWAL (C)	12,75,000.00
330 PADMASHREE DR.D.Y.PATIL UNIVERSITY, NAVI MUMBAI (C)	2,00,000.00
331 PAILAN COLLEGE OF MANAGEMENT AND TECHNOLOGY , KOLKATA (C)	1,40,000.00
332 PANDIT DEENDAYAL PETROLEUM UNIVERSITY, GANDHI NAGAR (C)	30,00,000.00
333 PANIHATI MAHAVIDYALAYA, KOLKATA (C)	13,50,000.00
334 PAO(BSI.ZSI) , KOLKATA (C)	5,80,000.00
335 P. D. PATEL INSTITUTE OF APPLIED SCIENCE, CHARUSAT, ANAND (C)	7,40,000.00
336 PDPM IIT, DESIGN & MANUFACTURING , JABALPUR (C)	11,00,000.00
337 PERIYAR UNIVERSITY, SALEM (C)	36,22,000.00
338 PES MODERN COLLEGE OF ARTS, SCIENCE & COMMERCE , PUNE (C)	5,00,000.00
339 PONDICHERRY UNIVERSITY, PONDICHERRY (C)	1,36,85,000.00
340 POORNAPRANJA INSTITUTE OF SCIENTIFIC RESEARCH, BANGALORE (C)	1,26,335.00
341 POSTGRADUATE INSTITUTE OF MEDICAL EDUCATION AND RESEARCH, CHANDIGARH (C)	23,98,000.00
342 PRESIDENCY UNIVERSITY, KOLKATA (C)	8,30,000.00
343 PRIMATE RESEARCH CENTRE , JODHPUR (C)	2,06,000.00
344 PROJECT DIRECTORATE OF POULTRY , HYDERABAD (C)	11,00,000.00
345 PROJECT DIRECTORATE ON ANIMAL DISEASES MONITORING AND SURVEILLANCE, BANGALORE (C)	8,92,000.00



Science and Engineering Research Board

Expenditure on Grants, Subsidies etc. Grants in Aid (Capital Assets)

Annexure - 3A

PARTICULARS	Current Year
346 PSG COLLEGE OF PHARMACY, COIMBATORE (C)	2,55,000.00
347 PSG COLLEGE OF TECHNOLOGY, COIMBATORE (C)	59,03,769.00
348 PSG INSTITUTE OF ADVANCED STUDIES , COIMBATORE (C)	20,52,000.00
349 PT. RAVISHANKAR SHUKLA UNIVERSITY, RAIPUR (C)	4,18,00,000.00
350 PUNJAB AGRICULTURAL UNIVERSITY, LUDHIANA (C)	2,40,390.00
351 PUNJABI UNIVERSITY, PATIALA (C)	13,30,000.00
352 PUNJAB UNIVERSITY, CHANDIGARH (C)	35,69,000.00
353 RAJIV GANDHI CENTRE FOR BIOTECHNOLOGY , THIRUVANANTHAPURAM (C)	39,97,000.00
354 RAJIV GANDHI COLLEGE OF VETERINARY AND ANIMAL SCIENCES , PONDICHERRY (C)	14,98,000.00
355 RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY , RAEBARELI (C)	17,00,000.00
356 RAJIV GANDHI UNIVERSITY, ITANAGAR (C)	18,54,000.00
357 RAMAKRISHNA MISSION RESIDENTIAL COLLEGE, KOLKATA(C)	25,00,000.00
358 RANAGHAT COLLEGE , RANAGHAT (C)	10,00,000.00
359 RAVENSHAW UNIVERSITY, CUTTACK (C)	23,60,000.00
360 R.C.PATEL ARTS, COMMERCE & SCIENCE COLLEGE , SHIRPUR (C)	11,50,000.00
361 R.M.K ENGINEERING COLLEGE , TIRUVALLUR (C)	1,77,000.00
362 SACRED HEART COLLEGE , COCHIN (C)	19,18,000.00
363 SAHA INSTITUTE OF NUCLEAR PHYSICS, KOLKATA (C)	86,000.00
364 SAHYADRI SCIENCE COLLEGE, SHIMOGA (C)	10,50,000.00
365 SALIM ALI CENTRE FOR ORNITHOLOGY AND NATURAL HISTORY, COIMBATORE (C)	16,73,000.00
366 SAMBALPUR UNIVERSITY, SAMBALPUR (C)	27,25,000.00
367 SAM HIGGINBOTTOM INSTITUTE OF AGRICULTURE, TECHNOLOGY AND SCIENCES , ALLAHABAD (C)	24,54,000.00
368 SAMMILANI MAHAVIDYALAYA , KOLKATA (C)	13,00,000.00
369 SANJAY GANDHI POSTGRADUATE INSTITUTE OF MEDICAL SCIENCES , LUCKNOW (C)	1,28,000.00
370 SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI (C)	9,40,000.00
371 SANT LONGOWAL INSTITUTE OF ENGINEERING & TECHNOLOGY , LONGOWAL (C)	25,62,000.00
372 SARDAR PATEL UNIVERSITY, VALLABH VIDYANAGAR (C)	11,50,000.00
373 SARDAR VALLABHBHAI NATIONAL INSTITUTE OF	

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc. Grants in Aid (Capital Assets)

Annexure - 3A

PARTICULARS

Current Year

	TECHNOLOGY, SURAT (C)	27,00,000.00
374	SAROJINI NAIDU MEDICAL COLLEGE , AGRA (C)	4,00,000.00
375	SASTRA UNIVERSITY, THANJAVUR (C)	53,35,000.00
376	SATHYABAMA UNIVERSITY, CHENNAI (C)	39,99,249.00
377	SAVEETHA SCHOOL OF ENGINEERING , CHENNAI (C)	3,00,000.00
378	SCHOOL OF PETROLEUM TECHNOLOGY, GANDHINAGAR (C)	5,00,000.00
379	SCHOOL OF PLANNING AND ARCHITECTURE , BHOPAL (C)	7,50,000.00
380	SCOTT CHRISTIAN COLLEGE , NAGERCOIL (C)	6,80,000.00
381	SCOTTISH CHURCH COLLEGE, KOLKATA (C)	12,00,000.00
382	SELVAMM ARTS AND SCIENCE COLLEGE , NAMAKKAL (C)	8,00,000.00
383	SERAMPORE COLLEGE , SERAMPORE, HOOGHLY (C)	4,80,000.00
384	SGTB KHALSA COLLEGE , DELHI (C)	2,00,000.00
385	SHIVAJI UNIVERSITY, KOLHAPUR (C)	25,20,000.00
386	SHIV NADAR UNIVERSITY , GAUTAM BUDH NAGAR (C)	10,00,000.00
387	SHOOLINI UNIVERSITY OF BIOTECHNOLOGY AND MANAGEMENT SCIENCES , SOLAN (C)	24,00,000.00
388	SHRI MATA VAISHNO DEVI UNIVERSITY, JAMMU (C)	24,68,649.00
389	SHRI RAM INSTITUTE OF SCIENCE AND TECHNOLOGY , JABALPUR (C)	6,50,000.00
390	SIKKIM GOVERNMENT COLLEGE , GANGTOK (C)	12,00,000.00
391	SIKKIM UNIVERSITY , TADONG (C)	7,30,000.00
392	SIKSHA 'O' ANUSANDHAN UNIVERSITY, BHUBANESWAR (C)	26,50,000.00
393	SINHGAD ACADEMY OF ENGINEERING , PUNE(C)	8,68,000.00
394	SIR M. VISVESWARAYA INSTITUTE OF TECHNOLOGY, BANGALORE (C)	1,78,000.00
395	SKN SINHGAD COLLEGE OF ENGINEERING KORTI , SOLAPUR (C)	2,30,000.00
396	S.K.UNIVERSITY OF AGRICULTURAL SCIENCES & TECHNOLOGY , JAMMU (C)	27,50,000.00
397	S.N.BOSE NATIONAL CENTRE FOR BASIC SCIENCES , KOLKATA (C)	15,00,000.00
398	SONA COLLEGE OF TECHNOLOGY , SALEM (C)	12,49,000.00
399	SOUTH ASIAN UNVIERSITY , NEW DELHI (C)	4,00,000.00
400	SREE CHITRA TIRUNAL INSTITUTE FOR MEDICAL	



Science and Engineering Research Board

Expenditure on Grants , Subsidies etc. Grants in Aid (Capital Assets)

Annexure - 3A

PARTICULARS	Current Year
401 SCIENCES & TECHNOLOGY, TRIVANDRUM (C)	13,20,000.00
402 SRIC, INDIAN INSTITUTE OF TECHNOLOGY, BHUBANESWAR (C)	8,50,000.00
403 SRIC, INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE (C)	14,00,000.00
404 SRI GURU GRANTH SAHIB WORLD UNIVERSITY , FATEHGARH SAHIB, CHANDIGARH (C)	75,000.00
405 SRI JAYACHAMARAJENDRA COLLEGE OF ENGINEERING, MYSORE (C)	14,10,000.00
406 SRINIVAS SCHOOL OF ENGINEERING , MANGALORE (C)	13,00,000.00
407 SRI RAMACHANDRA UNIVERSITY , CHENNAI (C)	26,04,000.00
408 SRI SATHYA SAI INSTITUTE OF HIGHER LEARNING , ANANTPUR (C)	4,00,000.00
409 SRI SHAKTHI INSTITUTE OF ENGINEERING & TECHNOLOGY , COIMBATORE (C)	10,00,000.00
410 SRI VENKATESWARA COLLEGE OF ENGINEERING, SRIPERUMBUDUR (C)	70,000.00
411 SRI VENKATESWARA UNIVERSITY, TIRUPATI (C)	26,11,000.00
412 SRM UNIVERSITY, KATTANKULATHUR (C)	20,25,000.00
413 SSN COLLEGE OF ENGINEERING, CHENNAI (C)	12,20,000.00
414 ST. ALOYSIUS COLLEGE , MANGALORE (C)	23,74,000.00
415 ST. ANDREWS COLLEGE, GORAKHPUR (C)	5,90,000.00
416 STAR LION COLLEGE OF ENGINEERING & TECHNOLOGY , THANJAVUR (C)	10,00,000.00
417 ST.EDMUND'S COLLEGE , SHILLONG (C)	7,00,000.00
418 ST.JOHN'S COLLEGE , AGRA(C)	18,06,000.00
419 ST.JOSEPH COLLEGE, BANGALORE (C)	33,48,000.00
420 ST. JUDE'S COLLEGE , THOOTHOR (C)	75,000.00
421 ST. TERESA'S COLLEGE , ERNAKULAM (C)	7,00,000.00
422 ST. XAVIER'S COLLEGE, KOLKATA (C)	21,40,000.00
423 ST. XAVIERS COLLEGE, PALAYAMKOTTAI, TAMIL NADU (C)	1,70,000.00
424 SUGANTHI DEVADASON MARINE RESEARCH INSTITUTE , TUTICORIN (C)	22,63,000.00
425 SUGARCANE BREEDING INSTITUTE, COIMBATORE (C)	4,50,000.00
426 SVERI'S COLLEGE OF ENGINEERING , PANDHARPUR (C)	5,00,000.00
427 SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY,	

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc. Grants in Aid (Capital Assets)

Annexure - 3A

PARTICULARS	Current Year
427 NANDED (C)	11,60,000.00
427 TAMIL NADU AGRICULTURAL UNIVERSITY, COIMBATORE (C)	95,16,000.00
428 TAMIL NADU VETERINARY AND ANIMAL SCIENCES UNIVERSITY, CHENNAI (C)	9,99,000.00
429 TATA MEMORIAL CENTRE, NAVI MUMBAI (C)	11,00,000.00
430 TEZPUR UNIVERSITY, TEZPUR, ASSAM (C)	30,28,000.00
431 THAPAR UNIVERSITY, PATIALA (C)	42,95,000.00
432 THE ENERGY AND RESOURCES INSTITUTE, BANGALORE (C)	32,50,000.00
433 THE ENERGY & RESOURCES INSTITUTE, NEW DELHI (C)	14,73,000.00
434 THE MADURA COLLEGE (AUTONOMOUS), MADURAI (C)	80,000.00
435 THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA, VADODARA (C)	15,22,000.00
436 THE MOUNTAIN INSTITUTE INDIA, GANGTOK (C)	1,49,000.00
437 THE SAMRAKSHAN CHARITABLE TRUST, NEW DELHI (C)	5,61,000.00
438 THIAGARAJAR COLLEGE, MADURAI (C)	8,00,000.00
439 THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI (C)	25,95,000.00
440 THIRUVALLUVAR UNIVERSITY, VELLORE (C)	20,46,000.00
441 TKR COLLEGE OF ENGINEERING & TECHNOLOGY, HYDERABAD (C)	10,00,000.00
442 TRANSLATIONAL HEALTH SCIENCE AND TECHNOLOGY INSTITUTE, GURGAON (C)	3,50,000.00
443 TRIPURA UNIVERSITY, SURYAMANINAGAR (C)	11,00,000.00
444 TUMKUR UNIVERSITY, TUMKUR (C)	19,70,000.00
445 UM-DAE CBS CENTRE FOR EXCELLENCE IN BASIC SCIENCE, MUMBAI (C)	21,70,000.00
446 UNION CHRISTIAN COLLEGE, ALUVA (C)	18,09,102.00
447 UNIVERSITY COLLEGE OF MEDICAL SCIENCE, NEW DELHI (C)	13,00,000.00
448 UNIVERSITY COLLEGE OF SCIENCE AND TECHNOLOGY, UNIVERSITY OF CALCUTTA (C)	11,92,000.00
449 UNIVERSITY OF AGRICULTURAL SCIENCES, GKVK, BANGALORE (C)	14,60,000.00
450 UNIVERSITY OF ALLAHABAD, ALLAHABAD (C)	9,70,000.00
451 UNIVERSITY OF BURDWAN, BURDWAN (C)	30,22,000.00
452 UNIVERSITY OF CALCUTTA, KOLKATA (C)	1,06,08,000.00

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc. Grants in Aid (Capital Assets)

Annexure - 3A

PARTICULARS	Current Year
453 UNIVERSITY OF CALICUT , CALICUT (C)	6,85,000.00
454 UNIVERSITY OF DELHI, NORTH CAMPUS (C)	1,58,33,838.00
455 UNIVERSITY OF DELHI, SOUTH CAMPUS (C)	82,03,000.00
456 UNIVERSITY OF HORTICULTURAL SCIENCES ,BAGALKOT (C)	3,37,000.00
457 UNIVERSITY OF HYDERABAD (C)	1,90,05,596.00
458 UNIVERSITY OF KASHMIR, SRINAGAR (C)	44,65,000.00
459 UNIVERSITY OF KERALA, THIRUVANANTHAPURAM (C)	13,38,000.00
460 UNIVERSITY OF MADRAS , CHENNAI (C)	98,00,000.00
461 UNIVERSITY OF MUMBAI , MUMBAI (C)	1,00,000.00
462 UNIVERSITY OF MYSORE, MYSORE (C)	12,45,000.00
463 UNIVERSITY OF NORTH BENGAL, DARJEELING (C)	23,50,000.00
464 UNIVERSITY OF PUNE (C)	34,17,234.00
465 UNIVERSITY OF RAJASTHAN, JAIPUR (C)	3,50,000.00
466 UTTAR BANGA KRISHI VISHWAVIDYALAYA , PUNDIBARI (C)	43,000.00
467 VASANTRAO NAIK MAHAVIDYALAYA , AURANGABAD (C)	7,00,000.00
468 VELLORE INSTITUTE OF TECHNOLOGY UNIVERSITY, VELLORE (C)	1,34,28,712.00
469 VELS UNIVERSITY , CHENNAI (C)	4,00,000.00
470 VEL TECH DR. RR AND DR. SR TECHNICAL UNIVERISTY , CHENNAI (C)	9,90,000.00
471 VEL TECH MULTI TECH DR.RANGARAJAN DR. SAKUNTHALA ENGINEERING COLLEGE , CHENNAI (C)	7,50,000.00
472 VIDYASAGAR UNIVERSITY, MIDNAPORE (C)	24,00,000.00
473 VINOBA BHAVE UNIVERSITY , HAZARIBAGH (C)	14,19,000.00
474 VISHWAKARMA INSTITUTE OF TECHNOLOGY , PUNE (C)	6,20,000.00
475 VISVABHARATI UNIVERSITY, SANTINIKETAN (C)	42,05,000.00
476 WEST BENGAL STATE UNIVERSITY, KOLKATA (C)	18,50,000.00
477 WEST BENGAL UNIVERSITY OF TECHNOLOGY, KOLKATA (C)	16,07,000.00
478 WILDLIFE INSTITUTE OF INDIA, DEHRADUN (C)	7,00,000.00
479 WILDLIFE RESEARCH AND CONSERVATION SOCIETY , PUNE (C)	1,68,000.00
480 Y.B.CHAVAN COLLEGE OF PHARMACY , AURANGABAD (C)	11,00,000.00
481 YESHWANT MAHAVIDYALAYA, NANDED (C)	5,20,000.00
482 YOGI VEMANA UNIVERSITY, KADAPA (C)	51,83,000.00
483 ZOOLOGICAL SURVEY OF INDIA, KOLKATA (C)	4,00,000.00
TOTAL	1,833,575,297.00

Science and Engineering Research Board

Expenditure on Grants , Subsidies etc. Grants in Aid (General)

Annexure - 4A

PARTICULARS	Current Year
1 ABASAHED GARWARE COLLEGE , PUNE (G)	1,92,680.00
2 ABV-INDIAN INSTITUTE OF INFORMATION TECHNOLOGY & MANAGEMENT, GWALIOR (G)	2,01,900.00
3 ACHARYA NAGARJUNA UNIVERSITY, GUNTUR	8,75,000.00
4 ACHARYA NARENDRA DEV COLLEGE, NEW DELHI	8,00,000.00
5 ACHARYA N. G. RANGA AGRICULTURAL UNIVERSITY, HYDERABAD	2,00,000.00
6 ACHARYA PRAFULLA CHANDRA COLLEGE , KOLKATA	1,25,000.00
7 ACUPUNCTURE ASSOCIATION OF INDIA , NEW DELHI	1,00,000.00
8 ADIKAVI NANNAYA UNIVERSITY , RAJAHMUNDRY, AP	2,00,000.00
9 ADITYA BIOTECH LAB & RESEARCH PVT.LTD , RAIPUR (G)	2,54,290.00
10 ADIVASHI SEVA SAHAYAK SANSTHA'S SHRI D.H.AGRAWAL ART'S, NAVAPUR	75,000.00
11 ADVANCED CENTRE FOR TREATMENT, RESEARCH & EDUCATION IN CANCER, NAVI MUMBAI (G)	26,05,895.00
12 ADVANCED MATERIALS AND PROCESSES RESEARCH INSTITUTE, BHOPAL	5,00,000.00
13 AGHARKAR RESEARCH INSTITUTE, PUNE (G)	75,56,187.00
14 AKAL DEGREE COLLEGE , MASTUANA, SANGRUR	80,400.00
15 AKARSHAN UTHAN SAMITI, CHATTARPUR	1,00,000.00
16 ALAGAPPA GOVT.ARTS COLLEGE , KARAIKUDI (G)	4,46,000.00
17 ALAGAPPA UNIVERSITY, KARAIKUDI (G)	34,52,314.00
18 ALIAH UNIVERSITY , KOLKATA	1,00,000.00
19 ALIGARH MUSLIM UNIVERSITY (G)	1,05,39,550.00
20 ALL INDIA INSTITUTE OF MEDICAL SCIENCES , NEW DELHI (G)	2,43,38,715.00
21 ALL INDIA INSTITUTE OF SPEECH AND HEARING , MYSORE	4,39,126.00
22 ALL INDIA SARNATH EDUCATIONAL RURAL ADVANCEMENT & CULTURAL SOCIETY, NEW DELHI	2,50,000.00
23 AMAL JYOTHI COLLEGE OF ENGINEERING , KOOVAPALLY, KOTTAYAM (G)	50,000.00
24 AMBEDKAR INSTITUTE OF ADVANCED COMMUNICATION TECHNOLOGY & RESEARCH, DELHI	1,48,483.00
25 AMITY INSTITUTE OF BIOTECHNOLOGY, NOIDA	1,05,203.00
26 AMITY INSTITUTE OF INFORMATION TECHNOLOGY, AMITY UNIVERSITY , NOIDA	88,246.00
27 AMITY SCHOOL OF ENGINEERING & TECHNOLOGY , NEW DELHI	2,71,654.00
28 AMITY UNIVERSITY HARYANA , GURGAON (G)	9,71,324.00

Science and Engineering Research Board

Expenditure on Grants , Subsidies etc. Grants in Aid (General)

Annexure - 4A

PARTICULARS	Current Year
29 AMITY UNIVERSITY, NOIDA (G)	49,65,285.00
30 AMITY UNIVERSITY RAJASTHAN , JAIPUR	1,32,147.00
31 AMITY UNIVERSITY, UTTAR PRADESH, LUCKNOW (G)	7,04,000.00
32 AMRITA INSTITUTE OF MEDICAL SCIENCES AND RESEARCH CENTRE, KOCHI (G)	14,36,800.00
33 AMRITA INSTITUTE OF MEDICAL SCIENCES, KOCHI (G)	8,81,998.00
34 AMRITA VISHWA VIDYAPEETHAM, COIMBATORE (G)	10,00,698.00
35 AMRITA VISHWA VIDYAPEETHAM UNIVERSTIY, KOLLAM (G)	6,00,000.00
36 AMRITSAR COLLEGE OF ENGINEERING & TECHNOLOGY , AMRITSAR (G)	2,00,000.00
37 ANAND AGRICULTURAL UNIVERSITY , ANAND (G)	50,000.00
38 ANAND INTERNATIONAL COLLEGE OF ENGINEERING , JAIPUR	1,22,222.00
39 ANDHRA UNIVERSITY, VISAKHAPATNAM (G)	31,71,707.00
40 ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY & SCIENCE, VISHAKHAPATNAM	98,663.00
41 ANIMAL WELFARE SOCIETY , KUSHINAGAR	75,000.00
42 ANMOL, NEW DELHI	1,90,000.00
43 ANNAMALAI UNIVERSITY,ANNAMALAINAGAR (G)	64,05,175.00
44 ANNAMALAI UNIVERSITY, PARANGITETTAI	13,92,624.00
45 ANNAPOORANA ENGINEERING COLLEGE , SALEM	24,309.00
46 ANNA UNIVERSITY, CHENNAI (G)	54,89,357.00
47 ANNA UNIVERSITY OF TECHNOLOGY , COIMBATORE	40,000.00
48 ANNA UNIVERSITY OF TECHNOLOGY, MADURAI (G)	4,34,027.00
49 ANNA UNIVERSITY OF TECHNOLOGY, TIRUCHIRAPPALI (G)	14,25,000.00
50 ANNA UNIVERSITY OF TECHNOLOGY TIRUNELVELI , NAGARCOIL (G)	4,00,000.00
51 ANNA UNIVERSITY , TINDIVANAM, MELPAKKAM	93,848.00
52 ANNA UNIVERSITY, TIRUNALVELI (G)	4,05,000.00
53 AP STATE SERICULTURE RESEARCH AND DEVELOPMENT INSTITUTE , KIRIKERA (G)	4,00,000.00
54 ARAVIND MEDICAL RESEARCH FOUNDATION , MADURAI (G)	7,10,000.00
55 ARIBAS , NEW VALLABH VIDYANAGAR	8,50,000.00
56 ARINAGAR ANNA GOVT. ARTS COLLEGE , NAMAKKAL	58,546.00
57 ARMED FORCES MEDICAL COLLEGE , PUNE	1,50,000.00
58 ARMY HOSPITAL (R&R), NEW DELHI	1,00,000.00
59 ARTS, COMMERCE & SCIENCE COLLEGE , NANDGAON, NASHIK	1,53,207.00
60 ARUNAI ENGINEERING COLLEGE , THIRUVANNAMALAI	52,323.00

Science and Engineering Research Board

Expenditure on Grants , Subsidies etc. Grants in Aid (General)

Annexure - 4A

PARTICULARS	Current Year
61 ARYABHATTA RESEARCH INSTITUTE OF OBSERVATIONAL SCIENCES, NAINITAL	2,61,650.00
62 ARYA POST GRADUATE COLLEGE, PANIPAT	1,00,000.00
63 ARYA VIDYAPEETH COLLEGE, GUWAHATI (G)	7,30,000.00
64 ASHOKA TRUST FOR RESEARCH IN ECOLOGY AND THE ENVIRONMENT , BANGALORE (G)	49,53,413.00
65 ASIAN FISHERIES SOCIETY INDIAN BRANCH , MANGALORE	1,50,000.00
66 ASIAN SOCIETY FOR PAEDIATRIC UROLOGY, NEW DELHI	5,00,000.00
67 ASSAM AGRICULTURAL UNIVERSITY, JORHAT (G)	10,35,945.00
68 ASSAM ENGINEERING COLLEGE , GUWAHATI (G)	2,70,000.00
69 ASSAM UNIVERSITY, SILCHAR (G)	26,83,060.00
70 ASSOCIATION OF AGROMETEOROLOGISTS, A.P.CHAPTER , HYDERABAD	1,00,000.00
71 ASSOCIATION OF ECONOMIC GEOLOGISTS, NEW DELHI	1,00,000.00
72 ASSOCIATION OF HYDROLOGISTS OF INDIA, VISAKHAPATNAM	2,25,000.00
73 ASTHAGIRI HERBAL RESEARCH FOUNDATION , CHENNAI	50,000.00
74 A.U.COLLEGE OF ENGINEERING, VISAKHAPATNAM	2,35,000.00
75 AUXILIUM COLLEGE , VELLORE	40,000.00
76 AVDHESH PRATAP SINGH UNIVERSITY, REWA	1,09,892.00
77 AYYA NADAR JANAKI AMMAL COLLEGE, SIVAKASI (G)	11,73,280.00
78 BABA BANDA SINGH BAHADUR ENGINEERING COLLEGE, FATEHGARH SAHIB	6,94,873.00
79 BABA FARID UNIVERSITY OF HEALTH SCIENCES , FARIDKOT	1,00,000.00
80 BABA GHULAM SHAH BADSHAH UNIVERISTY, RAJOURI	2,48,870.00
81 BABASAHEB BHIMRAO AMBEDKAR UNIVERSITY, LUCKNOW (G)	12,44,540.00
82 BAHRA UNIVERSITY, SOLAN (G)	3,56,000.00
83 BALURGHAT COLLEGE , DAKSHIN DINAJPUR	62,937.00
84 BANARAS HINDU UNIVERSITY, VARANASI (G)	2,91,18,127.00
85 BANASTHALI VIDYAPITH , BANASTHALI (G)	87,07,499.00
86 BANGALORE INSTITUTE OF TECHNOLOGY , BANGALORE	6,43,482.00
87 BANGALORE MEDICAL COLLEGE & RESEARCH INSTITUTE , BANGALORE	87,747.00
88 BANGALORE UNIVERSITY, BANGALORE (G)	41,74,516.00
89 BANGALORE UNIVERSITY (CENTRAL COLLEGE CAMPUS) , BANGALORE	9,00,000.00
90 BANNARI AMMAN INSTITUTE OF TECHNOLOGY , SATHYAMANGALAM (G)	7,10,000.00



Science and Engineering Research Board

Expenditure on Grants , Subsidies etc. Grants in Aid (General)

Annexure - 4A

PARTICULARS	Current Year
91 BANWARILAL BHALOTIA COLLEGE, ASANSOL (G)	3,92,000.00
92 BAREILLY COLLEGE , BAREILLY	4,50,553.00
93 BARKATULLAH UNIVERSITY, BHOPAL (G)	2,22,730.00
94 BARODA COLLEGE OF PHARMACY , VADODARA	1,84,289.00
95 BASANTI DEVI COLLEGE, KOLKATA	4,50,000.00
96 BBK DAV COLLEGE FOR WOMEN , AMRITSAR (G)	4,72,000.00
97 BENGAL ENGINEERING & SCIENCE UNIVERSITY, HOWRAH (G)	97,26,206.00
98 BHABHA ATOMIC RESEARCH CENTRE, MUMBAI	83,78,775.00
99 BHAGWAN MAHAVIR MEDICAL RESEARCH CENTRE , HYDERABAD	7,50,000.00
100 BHARATHIAR UNIVERSITY, COIMBATORE (G)	68,52,766.00
101 BHARATHIDASAN UNIVERSITY, TIRUCHIRAPPALLI (G)	69,56,076.00
102 BHARATI VIDYAPEET'S INSTITUTE OF COMPUTER APPLICATIONS & MANAGEMENT, NEW DELHI	75,000.00
103 BHARATI VIDYAPEETH DEEMED UNIVERSITY , PUNE (G)	21,09,000.00
104 BHAVNAGAR UNIVERSITY, BHAVNAGAR (G)	1,78,956.00
105 BIDHAN CHANDRA KRISHI VISWAVIDYALAYA , KALYANI	1,11,002.00
106 BIHAR AGRICULTURAL UNIVERSITY , BHAGALPUR (G)	6,00,000.00
107 BIOTECH PARK , LUCKNOW	4,87,600.00
108 BIOZONE RESEARCH FOUNDATION, GORAKHPUR	1,50,000.00
109 BIPIN BIHARI COLLEGE , JHANSI	40,000.00
110 BIRBAL SAHANI INSTITUTE OF PALAEOBOTANY, LUCKNOW	17,23,446.00
111 BIRBHUM INSTITUTE OF ENGINEERING AND TECHNOLOGY , BIRBHUM (G)	6,11,000.00
112 BIRLA INSTITUTE OF SCIENTIFIC RESEARCH, JAIPUR	7,00,000.00
113 BIRLA INSTITUTE OF TECHNOLOGY AND SCIENCE- PILANI, GOA (G)	59,19,133.00
114 BIRLA INSTITUTE OF TECHNOLOGY-DEOGHAR EXTENSION CENTRE , DEOGHAR	5,00,000.00
115 BIRLA INSTITUTE OF TECHNOLOGY, JAIPUR	6,52,981.00
116 BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI (G)	34,34,734.00
117 BIRLA INSTITUTE OF TECHNOLOGY , PATNA	86,074.00
118 BIRLA INSTITUTE OF TECHNOLOGY & SCIENCE-PILANI, HYDERABAD (G)	52,05,340.00
119 BIRLA INSTITUTE OF TECHNOLOGY & SCIENCE, PILANI, RAJASTHAN(G)	99,63,475.00
120 BIRSA AGRICULTURAL UNIVERSITY , RANCHI	87,454.00
121 BISHOP HEBER, COLLEGE(AUTONOMOUS), TIRUCHIRAPPALLI	1,64,543.00

Science and Engineering Research Board

Expenditure on Grants , Subsidies etc. Grants in Aid (General)

Annexure - 4A

PARTICULARS	Current Year
122 BISHOP MOORE COLLEGE , ALAPPUZHA	2,44,600.00
123 BISHOP MOORE COLLEGE , ALAPPUZHA, MAVELIKARA	50,000.00
124 B.K.MODY GOVERNMENT PHARMACY COLLEGE , RAJKOT	1,14,079.00
125 BOMBAY COLLEGE OF PHARMACY , MUMBAI	3,33,506.00
BOSE INSTITUTE, KOLKATA (G)	2,03,56,733.00
127 BOTANICAL SOCIETY OF BENGAL , KOLKATA	1,00,000.00
128 B.P.PODDAR INSTITUTE OF MANAGEMENT & TECHNOLOGY, KOLKATA	3,00,000.00
129 BPS GOVT. MEDICAL COLLEGE FOR WOMEN, KHANPUR, KALAN	37,648.00
130 BRIJLAL BIYANI SCIENCE COLLEGE , AMRAVATI	75,000.00
131 B. S. ABDUR RAHMAN UNIVERSITY, CHENNAI (G)	13,27,582.00
132 BUNDELKHAND INSTITUTE OF ENGINEERING & TECHNOLOGY , JHANSI	1,55,377.00
133 BUNDELKHAND UNIVERSITY , JHANSI (G)	6,03,266.00
134 B.V.PATEL PERD CENTRE , AHMEDABAD	4,00,000.00
135 C.ABDUL HAKEEM COLLEGE , MELVISHARAM (G)	7,00,000.00
136 CALCUTTA MATHEMATICAL SOCIETY, KOLKATA	75,000.00
137 CALCUTTA SCHOOL OF TROPICAL MEDICINE, KOLKATA	70,015.00
138 CALCUTTA STATISTICAL ASSOCIATION , KOLKATA	50,000.00
139 CANCER INSTITUTE(WIA), CHENNAI (G)	2,00,00,000.00
140 CARDAMOM PLANTER'S ASSOCIATION COLLEGE , BODINAYAKUMAR	75,000.00
141 CCS HARYANA AGRICULTURE UNIVERSITY, HISAR	3,00,000.00
142 CENTER FOR DEVELOPMENT OF ADVANCED COMPUTING, PUNE (G)	10,83,188.00
143 CENTER FOR MICRONUTRIENT RESEARCH , NEW DELHI	1,78,743.00
144 CENTRAL AGRICULTURAL UNIVERSITY, IMPHAL (G)	4,50,000.00
145 CENTRAL ARID ZONE RESEARCH INSTITUTE , JODHPUR (G)	7,03,209.00
146 CENTRAL BUILDING RESEARCH INSTITUTE , ROORKEE	4,08,503.00
147 CENTRAL DRUG RESEARCH INSTITUTE, LUCKNOW (G)	79,39,254.00
148 CENTRAL ELECTROCHEMICAL RESEARCH INSTITUTE, KARAIKUDI (G)	40,30,721.00
149 CENTRAL ELECTRONICS ENGINEERING RESEARCH INSTITUTE, PILANI	4,22,339.00
150 CENTRAL FOOD TECHNOLOGICAL RESEARCH INSTITUTE, MYSORE (G)	35,87,359.00
151 CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE ,	



Science and Engineering Research Board

Expenditure on Grants, Subsidies etc. Grants in Aid (General)

Annexure - 4A

PARTICULARS	Current Year
KOLKATA (G)	19,61,000.00
152 CENTRAL INSTITUTE FOR RESEARCH ON GOATS, FARAH (G)	3,35,608.00
153 CENTRAL INSTITUTE OF FRESHWATER AQUACULTURE, BHUBANESWAR (G)	9,96,975.00
154 CENTRAL INSTITUTE OF MEDICINAL & AROMATIC PLANTS, LUCKNOW (G)	81,80,760.00
155 CENTRAL INSTITUTE OF MINING AND FUEL RESEARCH , NAGPUR	1,48,563.00
156 CENTRAL INSTITUTE OF POST-HARVEST ENGINEERING & TECHNOLOGY, LUDHIANA	1,93,809.00
157 CENTRAL LEATHER RESEARCH INSTITUTE, CHENNAI (G)	76,79,286.00
158 CENTRAL MANUFACTURING TECHNOLOGY INSTITUTE (CMTI) , BANGALORE	1,00,000.00
159 CENTRAL MARINE FISHERIES RESEARCH INSTITUTE, ERNAKULAM (G)	50,000.00
160 CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR (G)	24,19,539.00
161 CENTRAL MUGA ERI RESEARCH & TRAINING CENTRE, JORHAT (G)	9,20,000.00
162 CENTRAL PLANTATION CROPS RESEARCH INSTITUTE, KASARAGOD	1,37,511.00
163 CENTRAL RESEARCH INSTITUTE FOR DRYLAND AGRICULTURE , HYDERABAD (G)	42,50,000.00
164 CENTRAL RICE RESEARCH INSTITUTE , CUTTACK (G)	3,00,000.00
165 CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI	1,68,690.00
166 CENTRAL SALT & MARINE CHEMICALS RESEARCH INSTITUTE, BHAVNAGAR (G)	36,23,519.00
167 CENTRAL SERICULTURAL RESEARCH AND TRAINING INSTITUTE , MYSORE (G)	6,06,000.00
168 CENTRAL SHEEP & WOOL RESEARCH INSTITUTE , AVIKANAGAR	77,357.00
169 CENTRAL SILK BOARD , BANGALORE	35,100.00
170 CENTRAL SOIL SALINITY RESEARCH INSTITUTE , KARNAL	56,213.00
171 CENTRAL TUBER CROPS RESEARCH INSTITUTE, THIRUVANANTHAPURAM	8,64,450.00
172 CENTRAL UNIVERSITY OF BIHAR , PATNA	83,352.00
173 CENTRAL UNIVERSITY OF GUJARAT , GANDHINAGAR (G)	4,35,000.00
174 CENTRAL UNIVERSITY OF JHARKHAND, RANCHI, BRAMBE(G)	1,50,000.00

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc. Grants in Aid (General)

Annexure - 4A

PARTICULARS	Current Year
175 CENTRAL UNIVERSITY OF KASHMIR , SRINAGAR	1,16,434.00
176 CENTRAL UNIVERSITY OF KERALA , KASARAGOD (G)	9,00,000.00
177 CENTRAL UNIVERSITY OF PUNJAB, BATHINDA (G)	11,07,000.00
178 CENTRAL UNIVERSITY OF RAJASTHAN , AJMER	4,29,955.00
179 CENTRE FOR BIOMEDICAL MAGNETIC RESONANCE , LUCKNOW (G)	44,17,191.00
180 CENTRE FOR BIOTECHNOLOGY, ANNA UNIVERSITY , CHENNAI (G)	2,28,526.00
181 CENTRE FOR CELLULAR AND MOLECULAR BIOLOGY, HYDERABAD (G)	1,43,30,757.00
182 CENTRE FOR CLINICAL RESEARCH , INSTITUTE OF AYURVEDA & INTEGRATED MEDICINE , BANGALORE	77,716.00
183 CENTRE FOR DEVELOPMENT OF ADVANCED COMPUTING , BANGALORE	75,000.00
184 CENTRE FOR DNA FINGERPRINTING AND DIAGNOSTICS, HYDERABAD (G)	26,80,556.00
185 CENTRE FOR EARTH SCIENCE STUDIES , TRIVANDRUM	1,83,462.00
186 CENTRE FOR MATERIALS FOR ELECTRONICS TECHNOLOGY-C-MET (SOCIETY OF DIT), HYDERABAD	2,50,000.00
187 CENTRE FOR MATERIALS FOR ELECTRONICS TECHNOLOGY(C-MET) , THRISSUR (G)	7,88,465.00
188 CENTRE FOR MATHEMATICAL SCIENCES, PALA	50,00,000.00
189 CENTRE FOR NANOSCIENCE AND NANOTECHNOLOGY, MGU, KOTTAYAM	2,00,000.00
190 CENTRE FOR ORCHID GENE CONSERVATION OF EASTERN HIMALAYAN REGION , HENGBUNG	38,194.00
191 CENTRE FOR PHILOSOPHY AND FOUNDATION OF SCIENCE, NEW DELHI	10,00,000.00
192 CENTRE FOR RESEARCCH IN MEDICAL ENTOMOLOGY, MADURAI	1,06,521.00
193 CENTRE FOR SCIENCE & HERITAGE DEVELOPMENT , GWALIOR	30,000.00
194 CENTRE FOR SOFT MATTER RESEARCH , BANGALORE (G)	7,30,569.00
195 CENTRE FOR TECHNOLOGY DEVELOPMENT AND TRANSFER, ANNA UNIVERSITY , CHENNAI (G)	23,93,361.00
196 CENTRE FOR WATER RESOURCES DEVELOPMENT & MANAGEMENT, KOZHIKODE (G)	46,81,307.00
197 CHAROTAR UNIVERSITY OF SCIENCE & TECHNOLOGY ,	



Science and Engineering Research Board

Expenditure on Grants, Subsidies etc. Grants in Aid (General)

Annexure - 4A

PARTICULARS	Current Year
ANAND (G)	8,09,665.00
198 CHATTANYA BHARATHI INSTITUTE OF TECHNOLOGY , HYDERABAD (G)	5,26,002.00
199 CH. CHARAN SINGH UNIVERSITY, MEERUT (G)	19,21,995.00
200 CHENNAI MATHEMATICAL INSTITUTE , SIRUSERI	48,20,000.00
201 CHHATRAPATI SHAHUJI MAHARAJ MEDICAL UNIVERSITY, LUCKNOW	1,59,902.00
202 CHHATRAPATI SHAHU JI MAHARAJ UNIVERSITY, KANPUR	5,56,404.00
203 CHHATRAPATI SHAHU JI MAHARAJ UNIVERSITY, LUCKNOW	52,085.00
204 CHILDREN & WOMEN GRIVENCE RESEARCH FOUNDATION , DELHI	40,000.00
205 CHITKARA UNIVERSITY , SOLAN	45,000.00
206 CHITTARANJAN NATIONAL CENCER INSTITUTE, KOLKATA (G)	7,00,000.00
207 CHOUKSEY ENGINEERING COLLEGE, BILASPUR	81,879.00
208 CHRISTIAN MEDICAL COLLEGE, VELLORE (G)	10,89,189.00
209 CHRIST UNIVERSITY, BANGALORE	2,00,000.00
210 CH.S.D.St.THERESA'S AUTONOMOUS COLLEGE FOR WOMEN , ELURU	50,000.00
211 COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY, COCHIN (G)	35,05,091.00
212 COIMBATORE INSTITUTE OF TECHNOLOGY, COIMBATORE	3,50,000.00
213 COLLEGE OF ENGINEERING AND TECHNOLOGY BIKANER , BIKANER (G)	3,20,000.00
214 COLLEGE OF ENGINEERING GUINDY ANNA UNIVERSITY , CHENNAI (G)	50,000.00
215 COLLEGE OF ENGINEERING & MANAGEMENT KOLAGHAT , PURBA MEDINIPUR	50,000.00
216 COLLEGE OF ENGINEERING, PUNE (G)	5,68,624.00
217 COLLEGE OF ENGINEERING , TRIVANDRUM	3,00,000.00
218 COLLEGE OF TECHNOLOGY AND ENGINEERING, UDAIPUR	1,29,584.00
219 COLLEGE OF VETERINARY SCIENCE AND AH, ANAND AGRICULTURAL UNIVERSITY , ANAND	95,142.00
220 COLLEGE OF VETERINARY SCIENCE , BHUBANESWAR	75,000.00
221 COLLEGE OF VETERINARY SCIENCE , HYDERABAD	75,000.00
222 COMPUTER SOCIETY OF INDIA , BANGALORE	1,00,000.00
223 CONFEDERATION OF INDIAN INDUSTRY(CII) , NEW DELHI	45,00,000.00
224 COTTON COLLEGE, GUWAHATI	84,071.00
225 COTTON COLLEGE STATE UNIVERSITY , GUWAHATI	7,50,000.00

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc. Grants in Aid (General)

Annexure - 4A

PARTICULARS	Current Year
226 COTTON RESEARCH & DEVELOPMENT ASSOCIATION , HISAR	75,000.00
227 COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH H. Q. , NEW DELHI	13,60,000.00
228 CR RAO, ADVANCED INSTITUTE OF MATHEMATICS, STATISTICS & COMPUTER SCIENCE, HYDERABAD	7,50,000.00
229 CRYSTAL GROWTH CENTRE, ANNA UNIVERSITY, , CHENNAI	40,000.00
230 CSIR-CENTRAL INSTITUTE OF MINING AND FUEL RESEARCH , DHANBAD (G)	12,34,039.00
231 CSIR-CENTRAL SCIENTIFIC INSTRUMENTS ORGANISATION , CHANDIGARH	1,13,618.00
232 CSK HIMACHAL PRADESH AGRICULTURAL UNIVERSITY, PALAMPUR (G)	9,23,454.00
233 CURRENT SCIENCE ASSOCIATION , BANGALORE	19,500.00
234 C. U. SHAH COLLEGE OF PHARMACY , MUMBAI	79,051.00
235 CV RAMAN COLLEGE OF ENGINEERING , BHUBANESWAR (G)	6,46,893.00
236 DAV COLLEGE, AMRITSAR	2,00,000.00
237 DAV (PG) COLLEGE , DEHRADUN	1,30,132.00
238 DAV PG COLLEGE, KANPUR	63,607.00
239 DAYALBAGH EDUCATIONAL INSTITUTE, AGRA (G)	32,67,251.00
240 DAYANANDA SAGAR INSTITUTIONS , BANGALORE	5,00,000.00
241 DAYANAND MEDICAL COLLEGE AND HOSPITAL , LUDHIANA	75,000.00
242 DCR UNIVERSITY OF SCIENCE & TECHNOLOGY, MURTHAL	53,807.00
243 DECCAN COLLEGE OF MEDICAL SCIENCES , HYDERABAD	45,964.00
244 DEENBANDHU CHHOTU RAM UNIVERSITY OF SCIENCE & TECHNOLOGY , SONEPAT (G)	6,63,417.00
245 DEENDAYAL UPADHYAY GORAKHPUR UNIVERSITY, GORAKHPUR (G)	24,01,083.00
246 DEEN DAYAL UPADHYAY HOSPITAL, NEW DELHI	86,226.00
247 DEFENCE FOOD RESEARCH LABORATORY, MYSORE	1,99,584.00
248 DEFENCE INSTITUTE OF ADVANCED TECHNOLOGY (DIAT) , PUNE (G)	11,90,400.00
249 DEFENCE INSTITUTE OF PHYSIOLOGY & ALLIED SCIENCES, DELHI	2,39,848.00
250 DEFENCE RESEARCH & DEVELOPMENT LABORATORY , HYDERABAD	8,50,000.00
251 DEHRADUN INSTITUTE OF TECHNOLOGY, DEHRADUN	1,00,000.00
252 DELHI COLLEGE OF ARTS & COMMERCE , NEW DELHI	6,20,000.00
253 DELHI INSTITUTE OF PHARMACEUTICAL SCIENCES & RESEARCH (DIPSAR) , NEW DELHI (G)	1,76,342.00

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc. Grants in Aid (General)

Annexure - 4A

PARTICULARS	Current Year
254 DELHI TECHNOLOGICAL UNIVERSITY(FORMERLY DCE), DELHI (G)	23,02,284.00
255 DELHI UNIVERSITY BOTANICAL SOCIETY, DELHI	2,25,000.00
256 DEOGIRI COLLEGE, AURANGABAD (G)	4,00,000.00
257 DESHABANDHU MAHAVIDYALAYA , BURDWAN (G)	5,38,000.00
258 DESHBANDHU COLLEGE, NEW DELHI	1,15,139.00
259 DEVELOPMENT AND GENETICS, INDIAN INSTITUTE OF SCIENCE , BANGALORE	7,00,000.00
260 DEVI AHILYA UNIVERSITY, INDORE (G)	24,71,682.00
261 DEV SANSKRITI VISHWAVIDYALAYA , HARIDWAR (G)	5,75,000.00
262 DHARMSINH DESAI UNIVERSITY , NADIAD	4,00,000.00
263 DHIRUBHAI AMBANI INSTITUTE OF INFORMATION & COMMUNICATION TECHNOLOGY, GANDHINAGAR (G)	50,000.00
264 DIBRUGARH UNIVERSITY, ASSAM (G)	21,89,850.00
265 DIPHU GOVERNMENT COLLEGE , DIPHU	95,372.00
266 DIRECTORATE OF MAIZE RESEARCH, NEW DELHI	9,00,779.00
267 DIRECTORATE OF MUSHROOM RESEASRCH(ICAR) , SOLAN	58,493.00
268 DIRECTORATE OF RESEARCH ON WOMEN IN AGRICULTURE , BHUBANESWAR	56,077.00
269 DIRECTORATE OF RICE RESEARCH , HYDERABAD (G)	12,62,330.00
270 DIRECTORATE OF SOYBEAN RESEARCH, INDORE	1,56,560.00
271 D.M.COLLEGE OF SCIENCE , IMPHAL (G)	3,60,000.00
272 DOCTOR'S KRISHI EVAM BAGWANIN VIKAS SANSTHA, LUCKNOW	50,000.00
273 DOON UNIVERSITY, KEDARPUR, DEHRADUN (G)	2,80,417.00
274 DR. AMBEDKAR INSTITUTE OF TECHNOLOGY, BANGALORE	98,441.00
275 Dr.BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD (G)	33,02,078.00
276 DR. B.C. ROY ENGINEERING COLLEGE, DURGAPUR	1,47,260.00
277 DR. BHANUBEN NANAVATI COLLEGE OF PHARMACY, MUMBAI (G)	4,50,000.00
278 DR. B. R. AMBEDKAR CENTRE FOR BIOMEDICAL RESEARCH, DELHI (G)	27,10,923.00
279 DR. BR AMBEDKAR NATIONAL INSTITUTE OF TECHNOLOGY, JALANDHAR (G)	9,55,897.00
280 DR. D Y PATIL BIOTECHNOLOGY & BIOINFORMATICS INSTITUTE , PUNE (G)	6,13,000.00
281 DR. D.Y. PATIL DENTAL COLLEGE & HOSPITAL, PUNE	81,440.00

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc. Grants in Aid (General)

Annexure - 4A

PARTICULARS	Current Year
282 DR. HARI SINGH GOUR VISHWAVIDYALAYA, SAGAR	6,61,951.00
283 Dr.MAHALINGAM COLLEGE OF ENGINEERING AND TECHNOLOGY , POLLACHI (G)	50,000.00
284 DR. M.G.R. EDUCATIONAL AND RESEARCH INSTITUTE, CHENNAI (G)	11,10,000.00
285 DR. RAM MANOHAR LOHIA AVADH UNIVERSITY, FAIZABAD	78,584.00
286 DR. RAM MANOHAR LOHIA HOSPITAL, NEW DELHI (G)	8,42,333.00
287 Dr RAM MANOHAR LOHIA INSTITUTE OF MEDICAL SCIENCE , LUCKNOW	2,77,571.00
288 DR. YS PARMAR UNIVERSITY OF HORTICULTURE & FORESTRY, SOLAN (G)	2,39,008.00
289 DURGAPUR VISWAGANDHA SCIENCE SOCIETY, DURGAPUR	75,000.00
290 DYAL SINGH COLLEGE, KARNAL (G)	4,17,000.00
291 DYAL SINGH COLLEGE, NEW DELHI (G)	8,25,000.00
292 D. Y. PATIL UNIVERSITY, KOLHAPUR	3,46,901.00
293 EINSTEIN COLLEGE OF ENGINEERING , TIRUNELVELI	60,000.00
294 ELECTRICAL RESEARCH AND DEVELOPMENT ASSOCIATION, VADODARA	4,17,253.00
295 ESHAN COLLEGE OF ENGINEERING , MATHURA	44,962.00
296 FACULTY OF ARTS & COMMERCE , LAKSHMANGARH (G)	50,000.00
297 FACULTY OF ENGINEERING & TECHNOLOGY, AGRA COLLEGE, AGRA	1,13,599.00
298 FACULTY OF VETERINARY SCIENCES, ASSAM AGRICULTURAL UNIVERSITY , GUWAHATI	1,00,000.00
299 FAKIR MOHAN UNIVERSITY, BALASOURE (G)	1,00,000.00
300 FOREST RESEARCH INSTITUTE , DEHRADUN	7,00,000.00
301 FOUNDATION FOR EDUCATION EXCELLENCE , BANGALORE	1,00,000.00
302 FOUNDATION FOR REVITALIZATION OF LOCAL HEALTH TRADITIONS , BENGALURU	6,00,000.00
303 FRENCH INSTITUTE OF PONDICHERRY , PONDICHERRY	4,00,000.00
304 FRIGE'S INSTITUTE OF HUMAN GENETICS, AHMEDABAD	59,853.00
305 FRONTIER LIFELINE PVT. LTD., TIRUVALLUR	3,50,000.00
306 FUTURE INSTITUTE OF ENGINEERING & MANAGEMENT , KOLKATA (G)	1,00,000.00
307 GAHLOT INSTITUTE OF PHARMACY, NAVI MUMBAI	50,000.00
308 GALGOTIAS UNIVERSITY , GREATER NOIDA (G)	75,000.00
309 GANDHIGRAM RURAL INSTITUTE-DEEMED UNIVERSITY , GANDHIGRAM (G)	4,61,000.00
310 GANDHIGRAM RURAL UNIVERSITY , DINDIGUL	1,00,000.00

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc. Grants in Aid (General)

Annexure - 4A

PARTICULARS	Current Year
311 GANDHI INSTITUTE FOR TECHNOLOGY , BHUBANESWAR	1,37,412.00
312 GANDHI INSTITUTE OF ENGINEERING AND TECHNOLOGY , GUNUPUR	1,24,857.00
313 GARGI COLLEGE, NEW DELHI	1,53,245.00
314 GAUHATI UNIVERSITY , GAUHATI (G)	12,34,720.00
315 GAUHATI UNIVERSITY, GUWAHATI (G)	12,02,488.00
316 GAUTAM BUDDHA UNIVERSITY, GREATER NOIDA (G)	21,70,000.00
317 GAYATRI VIDYA PARISHAD COLLEGE OF ENGINEERING , VISHAKAPATNAM	67,587.00
318 G.B. PANT HOSPITAL, DELHI	5,85,094.00
319 G. B. PANT INSTITUTE OF HIMALAYAN ENVIRONMENT AND DEVELOPMENT, ALMORA (G)	33,54,000.00
320 GB PANT UNIVERSITY OF AGRICULTURE & TECHNOLOGY, PANTNAGAR (G)	15,41,593.00
321 GEETHANJALI COLLEGE OF ENGINEERING AND TECHNOLOGY , HYDERABAD	9,00,000.00
322 GEOLOGICAL SOCIETY OF INDIA, BANGALORE	7,60,000.00
323 GEOLOGICAL SURVEY OF INDIA, LUCKNOW (G)	12,50,000.00
324 GHARDA INSTITUTE OF TECHNOLOGY , KHEDA	1,67,710.00
325 G. H. PATEL COLLEGE OF ENGINEERING & TECHNOLOGY , VALLABHVIDYANAGAR	45,000.00
326 GITAM INSTITUTE OF TECHNOLOGY, GITAM UNIVERSITY , VISAKHAPATNAM (G)	1,90,000.00
327 GITAM UNIVERSITY , HYDERABAD	73,137.00
328 GITAM UNIVERSITY, VISAKHAPATNAM (G)	11,00,000.00
329 GKM COLLEGE OF ENGINEERING & TECHNOLOGY , CHENNAI	88,607.00
330 GLOBAL HYDROGEOLOGICAL SOLUTIONS, NEW DELHI	5,00,000.00
331 GOALPARA COLLEGE , GOALPARA, ASSAM (G)	5,00,000.00
332 GOA UNIVERSITY, GOA	15,29,875.00
333 GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING AND TECHNOLOGY , HYDERABAD (G)	5,68,739.00
334 GONDWANA GEOLOGICAL SOCIETY , NAGPUR	50,000.00
335 GOVERNMENT ARTS COLLEGE , THIRUVANNAMALAI	4,00,000.00
336 GOVERNMENT COLLEGE FOR WOMEN , TANJORE (G)	1,15,000.00
337 GOVERNMENT COLLEGE , HARIPUR(MANALI), KULLU	50,000.00
338 GOVERNMENT COLLEGE OF EDUCATION , BURDWAN	2,45,000.00
339 GOVERNMENT COLLEGE OF ENGINEERING AND TEXTILE TECHNOLOGY , MURSHIDABAD	60,488.00

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc. Grants in Aid (General)

Annexure - 4A

PARTICULARS	Current Year
340 GOVERNMENT COLLEGE OF PHARMACY , KARAD (G)	1,30,000.00
341 GOVERNMENT COLLEGE OF TECHNOLOGY , COIMBATORE	44,838.00
342 GOVERNMENT COLLEGE , PALAKKAD, KERALA	67,548.00
343 GOVERNMENT DEGREE COLLEGE , CHAMOLI, UK	50,000.00
344 GOVERNMENT DEGREE COLLEGE, MATHURA	1,22,584.00
345 GOVERNMENT ENGINEERING COLLEGE, AJMER (G)	1,30,000.00
346 GOVERNMENT ENGINEERING COLLEGE, GANDHINAGAR	45,198.00
347 GOVERNMENT ENGINEERING COLLEGE , HASSAN (G)	13,74,000.00
348 GOVERNMENT MEDICAL COLLEGE & HOSPITAL, CHANDIGARH	3,93,803.00
349 GOVERNMENT NEW SCIENCE COLLEGE , REWA	50,000.00
350 GOVERNMENT P.G.COLLEGE , NEW TEHRI	56,665.00
351 GOVERNMENT POLYTECHNIC RAMWADI , RAIGAD	69,219.00
352 GOVERNMENT SERCHHIP COLLEGE, SERCHHIP (G)	6,00,000.00
353 GOVT. ARTS COLLEGE, OOTY, NILGIRIS	75,000.00
354 GOVT.ENGINEERING COLLEGE, BIKANER	1,00,000.00
355 GOVT. MOTILAL VIGYAN MAHAVIDYALAYA , BHOPAL	78,324.00
356 GOVT. ZIRTIRI RESIDENTIAL SCIENCE COLLEGE , AIZAWL	93,365.00
357 GRAPHIC ERA UNIVERSTIY, DEHRADUN (G)	64,496.00
358 G.R.Y.INSTITUTE OF PHARMACY , KHARGONE	50,000.00
359 GUJARAT UNIVERSITY, AHMEDABAD	2,43,265.00
360 GULBARGA UNIVERSITY, GULBARGA (G)	58,831.00
361 GULZAR GROUP OF INSTITUTE , KHANNA	50,000.00
362 GURU ANGAD DEV VETERINARY & ANIMAL SCIENCES UNIVERSITY , LUDHIANA (G)	10,15,407.00
363 GURUCHARAN COLLEGE , SILCHAR	3,00,000.00
364 GURU DESH BANDHU JAN KALYAN SANSTHA , DELHI	30,000.00
365 GURU GHASIDAS UNIVERSITY, BILASPUR (G)	10,77,070.00
366 GURU GOVIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI (G)	16,11,905.00
367 GURU JAMBHESHWAR UNIVERSITY OF SCIENCE & TECHNOLOGY , HISSAR	4,42,791.00
368 GURUKULA KANGRI UNIVERSITY , HARIDWAR (G)	14,15,934.00
369 GURU NANAK COLLEGE, CHENNAI (G)	6,32,000.00
370 GURU NANAK DEV ENGINEERING COLLEGE, LUDHIANA (G)	2,46,000.00
371 GURU NANAK DEV UNIVERSITY, AMRITSAR (G)	95,35,071.00
372 GURU NANAK EYE CENTRE , NEW DELHI	79,716.00
373 GURU NANAK INSTITUTE OF ENGINEERING AND MANAGEMENT , NAGPUR	95,219.00



Science and Engineering Research Board

Expenditure on Grants, Subsidies etc. Grants in Aid (General)

Annexure - 4A

PARTICULARS	Current Year
374 GURU RAMDAS KHALSA INSTITUTE OF SCIENCE AND TECHNOLOGY(PHARMACY), JABALPUR	75,000.00
375 GWALIOR HAPPY FOUNDATION SAMITI , GWALIOR	30,000.00
376 HALDIA INSTITUTE OF TECHNOLOGY, MIDNAPORE (G)	10,10,000.00
377 HALDIA REGIONAL CENTRE , HALDIA	50,000.00
378 HARCOURT BUTLER TECHNOLOGICAL INSTITUTE, KANPUR	1,50,000.00
379 HARISH CHANDRA P.G.COLLEGE , VARANASI(G)	3,46,000.00
380 HARISH CHANDRA RESEARCH INSTITUTE , ALLAHABAD	7,50,000.00
381 HEMWATI NANDAN BAHUGUNA GARHWAL UNIVERSITY , NEW TEHRI	2,56,665.00
382 HEMWATI NANDAN BAHUGUNA GARHWAL UNIVERSITY , SHRINAGAR GARHWAL (G)	14,28,409.00
383 HIMACHAL PRADESH UNIVERSITY, SHIMLA	2,45,355.00
384 HIMALAYAN FOREST RESEARCH INSTITUTE, SHIMLA (G)	3,00,000.00
385 HIND INSTITUTE OF MEDICAL SCIENCES , SAFEDABAD, BARABANKI	58,031.00
386 HINDU COLLEGE , DELHI (G)	5,40,000.00
387 HKBK COLLEGE OF ENGINEERING , BANGALORE (G)	50,000.00
388 HLL LIFE CARE LIMITED, THIRUVANANTHAPURAM (G)	6,00,000.00
389 HOOGHLY MOHSIN COLLEGE, HOOGHLY (G)	1,89,318.00
390 HORTICULTURAL COLLEGE AND RESEARCH INSTITUTE, COIMBATORE	21,556.00
391 H.P.T.ARTS AND R.Y.K.SCIENCE COLLEGE , NASHIK	83,147.00
392 HYDERABAD EYE RESEARCH FOUNDATION, HYDERABAD (G)	9,97,221.00
393 ICAR UNIT NRCM , SOLAN (G)	3,25,000.00
394 ICMR VIRUS UNIT , KOLKATA	1,46,837.00
395 IIS UNIVERSITY, JAIPUR	5,19,972.00
396 ILADEVI CATARACT & IOL RESEARCH CENTRE , AHMEDABAD	70,927.00
397 IMPHAL COLLEGE , IMPHAL (G)	4,32,000.00
398 INDIAN ACADEMY OF SCIENCES , BANGALORE	19,00,000.00
399 INDIAN ACADEMY OF SOCIAL SCIENCES, ALLAHABAD	2,00,000.00
400 INDIAN AEROBIOLOGY SOCIETY, NEW DELHI	75,000.00
401 INDIAN AGRICULTURAL RESEARCH INSTITUTE, NEW DELHI (G)	59,35,077.00
402 INDIAN AGRICULTURAL STATISTICS RESEARCH INSTITUTE , NEW DELHI	14,90,571.00
403 INDIAN ASSOCIATION FOR ANGIOSPERM TAXONOMY(IAAT) , CALICUT	3,75,000.00

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc. Grants in Aid (General)

Annexure - 4A

PARTICULARS	Current Year
404 INDIAN ASSOCIATION FOR PRODUCTIVITY, QUALITY & RELIABILITY , KOLKATA	75,000.00
405 INDIAN ASSOCIATION FOR THE ADVANCEMENT OF VETERINARY RESEARCH, BAREILLY	1,80,000.00
406 INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE, KOLKATA (G)	1,48,16,778.00
407 INDIAN ASSOCIATION OF SOLID STATE CHEMISTS AND ALLIED SCIENTISTS , JAMMU	54,515.00
408 INDIAN CARBON SOCIETY MAHARASHTRA CHAPTER (MUMBAI) , MUMBAI	1,50,000.00
409 INDIAN CENTRE FOR CLIMATE AND SOCIETAL IMPACTS RESEARCH, AHMEDABAD	1,19,127.00
410 INDIAN CENTRE FOR SPACE PHYSICS , KOLKATA	6,75,785.00
411 INDIAN CONCRETE INSTITUTE, WESTERN UP CENTRE GHAZIABAD , NOIDA	2,50,000.00
412 INDIAN COUNCIL OF SOCIAL SCIENCE RESEARCH, EASTERN REGIONAL CENTRE , KOLKATA	4,60,000.00
413 INDIAN CRYOGENICS COUNCIL, NEW DELHI	1,50,000.00
414 INDIAN DIETETIC ASSOCIATION , HYDERABAD	1,75,000.00
415 INDIAN ENVIRONMENTAL SOCIETY, DELHI	60,000.00
416 INDIAN GEOLOGICAL CONGRESS, ROORKEE	1,00,000.00
417 INDIAN GEOPHYSICAL UNION, HYDERABAD	2,00,000.00
418 INDIAN GRASSLAND AND FODDER RESEARCH INSTITUTE , JHANSI (G)	8,00,000.00
419 INDIAN INSTITUTE OF ADVANCED RESEARCH , KOBA (G)	18,80,000.00
420 INDIAN INSTITUTE OF ASTROPHYSICS, BANGALORE (G)	6,97,429.00
421 INDIAN INSTITUTE OF CHEMICAL BIOLOGY , KOLKATA (G)	1,13,70,416.00
422 INDIAN INSTITUTE OF CHEMICAL TECHNOLOGY, HYDERABAD (G)	1,56,91,401.00
423 INDIAN INSTITUTE OF GEOMAGNETISM, NAVI MUMBAI	5,18,161.00
424 INDIAN INSTITUTE OF HORTICULTURAL RESEARCH , BANGALORE	3,04,242.00
425 INDIAN INSTITUTE OF HORTICULTURAL RESEARCH , MADIKERI	37,794.00
426 INDIAN INSTITUTE OF INFORMATION TECHNOLOGY DESIGN AND MANUFACTURING(IIITD&M) , CHENNAI (G)	4,41,636.00
427 INDIAN INSTITUTE OF INFORMATION TECHNOLOGY(IIIT), ALLAHABAD	1,28,150.00
428 INDIAN INSTITUTE OF INFORMATION TECHNOLOGY & MANAGEMENT , TRIVANDRUM (G)	6,02,400.00

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc. Grants in Aid (General)

Annexure - 4A

PARTICULARS	Current Year
429 INDIAN INSTITUTE OF INTEGRATIVE MEDICINE, JAMMU (G)	52,20,029.00
430 INDIAN INSTITUTE OF MANAGEMENT, BANGALORE	8,00,000.00
431 INDIAN INSTITUTE OF MANAGEMENT CALCUTTA, KOLKATA	3,60,000.00
432 INDIAN INSTITUTE OF PETROLEUM, DEHRADUN	2,91,347.00
433 INDIAN INSTITUTE OF PUBLIC HEALTH, HYDERABAD	90,662.00
434 INDIAN INSTITUTE OF PULSES RESEARCH, KANPUR	4,83,000.00
435 INDIAN INSTITUTE OF SCIENCE, BANGALORE (G)	11,09,11,404.00
436 INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, BHOPAL (G)	1,42,53,986.00
437 INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, PUNE (G)	1,65,21,807.00
438 INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, THIRUVANANTHAPURAM (G)	60,84,756.00
439 INDIAN INSTITUTE OF SCIENCE EDUCATION & RESEARCH, KOLKATA (G)	1,27,85,243.00
440 INDIAN INSTITUTE OF SCIENCE EDUCATION & RESEARCH, MOHALI, CHANDIGARH (G)	79,68,436.00
441 INDIAN INSTITUTE OF SOCIAL WELFARE & BUSINESS MANAGEMENT, KOLKATA	5,00,000.00
442 INDIAN INSTITUTE OF SPACE SCIENCE & TECHNOLOGY, TRIVANDRUM	88,966.00
443 INDIAN INSTITUTE OF TECHNOLOGY, AHMEDABAD (G)	3,94,839.00
444 INDIAN INSTITUTE OF TECHNOLOGY, BHUBANESWAR (G)	25,90,613.00
445 INDIAN INSTITUTE OF TECHNOLOGY, CHENNAI (G)	6,24,24,878.00
446 INDIAN INSTITUTE OF TECHNOLOGY, DELHI (G)	3,53,29,096.00
447 INDIAN INSTITUTE OF TECHNOLOGY, GANDHINAGAR (G)	32,89,408.00
448 INDIAN INSTITUTE OF TECHNOLOGY, GUWAHATI (G)	2,01,03,497.00
449 INDIAN INSTITUTE OF TECHNOLOGY, HYDERABAD (G)	49,96,076.00
450 INDIAN INSTITUTE OF TECHNOLOGY, INDORE (G)	55,74,382.00
451 INDIAN INSTITUTE OF TECHNOLOGY, KANPUR (G)	4,37,98,300.00
452 INDIAN INSTITUTE OF TECHNOLOGY, KHARAGPUR (G)	2,76,14,361.00
453 INDIAN INSTITUTE OF TECHNOLOGY, MANDI- HP (G)	31,26,000.00
454 INDIAN INSTITUTE OF TECHNOLOGY, MUMBAI (G)	5,22,19,861.00
455 INDIAN INSTITUTE OF TECHNOLOGY, PATNA (G)	16,52,000.00
456 INDIAN INSTITUTE OF TECHNOLOGY RAJASTHAN, RATANADA, JODHPUR (G)	19,55,012.00
457 INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE (G)	1,81,13,002.00
458 INDIAN INSTITUTE OF TECHNOLOGY ROPAR, RUPNAGAR (G)	38,19,907.00
459 INDIAN INSTITUTE OF TOXICOLOGY RESEARCH,	

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc. Grants in Aid (General)

Annexure - 4A

PARTICULARS	Current Year
LUCKNOW (G)	49,98,681.00
460 INDIAN INSTITUTE OF TROPICAL METEOROLOGY, PUNE (G)	16,88,872.00
461 INDIAN INSTITUTE OF VEGETABLE RESEARCH, VARANASI	13,00,000.00
462 INDIAN MYCOLOGICAL SOCIETY , KOLKATA	50,000.00
463 INDIAN NATIONAL ACADEMY OF ENGINEERING(INAE) , NEW DELHI	2,50,000.00
464 INDIAN NATIONAL CENTRE FOR OCEAN INFORMATION SERVICES , HYDERABAD	4,00,000.00
465 INDIAN NATIONAL SCIENCE ACADEMY, NEW DELHI	43,75,816.00
466 INDIAN SCHOOL OF MINES, DHANBAD (G)	30,79,068.00
467 INDIAN SOCIETY FOR CHRONOBIOLOGY , DELHI	3,50,000.00
468 INDIAN SOCIETY FOR SURFACE SCIENCE AND TECHNOLOGY , KOLKATA	1,00,000.00
469 INDIAN SOCIETY FOR WIND ENGINEERING , ROORKEE	1,00,000.00
470 INDIAN SOCIETY OF AGRICULTURAL BIOCHEMISTS , KANPUR	60,000.00
471 INDIAN SOCIETY OF AGRONOMY , NEW DELHI	1,50,000.00
472 INDIAN SOCIETY OF APPLIED GEOCHEMISTS, HYDERABAD	1,50,000.00
473 INDIAN SOCIETY OF EARTHQUAKE TECHNOLOGY , ROORKEE	1,50,000.00
474 INDIAN SOCIETY OF MATHEMATICS AND MATEMATICAL SCIENCES, GORAKHPUR	4,30,000.00
475 INDIAN SOCIETY OF REMOTE SENSING, DELHI CHAPTER , NEW DELHI	1,00,000.00
476 INDIAN STATISTICAL INSTITUTE, BANGALORE	1,99,981.00
477 INDIAN STATISTICAL INSTITUTE, KOLKATA (G)	36,08,426.00
478 INDIAN VETERINARY RESEARCH INSTITUTE , BANGALORE	1,82,989.00
479 INDIAN VETERINARY RESEARCH INSTITUTE, BAREILLY (G)	15,63,799.00
480 INDIAN VIROLOGICAL SOCIETY, NEW DELHI	1,25,000.00
481 INDIRA GANDHI CENTRE FOR ATOMIC RESEARCH, KALAPAKKAM	38,21,232.00
482 INDIRA GANDHI KRISHI VISWAVIDYALAYA , RAIPUR	6,00,000.00
483 INDIRA GANDHI NATIONAL OPEN UNIVERSITY , NEW DELHI	67,000.00
484 INDO-US SCIENCE AND TECHNOLOGY FORUM, NEW DELHI	4,70,00,000.00
485 INDIRA GANESAN COLLEGE OF ENGINEERING , TIRUCHIRAPPALLI (G)	1,56,000.00
486 INDRAPRASTHA INSTITUTE OF INFORMATION TECHNOLOGY(IIIT), NEW DELHI (G)	10,16,000.00
487 INDUCTION EDUCATIONAL AND WELFARE SOCIETY , GWALIOR	50,000.00



Science and Engineering Research Board

Expenditure on Grants , Subsidies etc. Grants in Aid (General)

Annexure - 4A

PARTICULARS	Current Year
488 INDUKANA IPCOWALA COLLEGE OF PHARMACY, NEW VALLABH VIDYANAGAR	93,535.00
489 INSTITUE OF TECHNOLOGY AND MANGEMENT , GWALIOR	1,03,593.00
490 INSTITUTE FOR HOLISTIC MEDICAL SCIENCES , KOTTAYAM	75,000.00
491 INSTITUTE FOR MATHEMATICS, BIOINFORMATICS, INFORMATION TECHNOLOGY AND COMPUTER SCIENCE(IMBIC) , KOLKATA	50,000.00
492 INSTITUTE FOR PLASMA RESEARCH , GANDHINAGAR (G)	25,23,706.00
493 INSTITUTE FOR STEM CELL BIOLOGY AND REGENERATIVE MEDICINE , BANGALORE	12,99,814.00
494 INSTITUTE OF ADVANCED STUDY IN SCINECE AND TECHNOLOGY, GUWAHATI	3,17,170.00
495 INSTITUTE OF BIOINFORMATICS AND BIOTECHNOLOGY, PUNE	1,08,123.00
496 INSTITUTE OF BIOINFORMATICS TRUST , BANGALORE (G)	6,00,000.00
497 INSTITUTE OF CHEMICAL TECHNOLOGY, MUMBAI (G)	83,61,550.00
498 INSTITUTE OF CHEMISTS , KOLKATA	40,000.00
499 INSTITUTE OF CYTOLOGY & PREVENTIVE ONCOLOGY , NOIDA (G)	1,00,000.00
500 INSTITUTE OF DEVELOPMENT & RESEARCH IN BANKING TECHNOLOGY ,HYDERABAD	84,833.00
501 INSTITUTE OF ENGINEERING & TECHNOLOGY , LUCKNOW	94,731.00
502 INSTITUTE OF ENGINEERS(INDIA), RAJASTHAN STATE CENTRE , JAIPUR	75,000.00
503 INSTITUTE OF FOREST GENETICS & TREE BREEDING, COIMBATORE	53,425.00
504 INSTITUTE OF GENETICS AND HOSPITAL FOR GENETIC DISEASE , HYDERABAD	1,45,800.00
505 INSTITUTE OF GENETICS, OSMANIA UNIVERSITY , HYDERABAD	43,850.00
506 INSTITUTE OF GENOMICS & INTEGRATIVE BIOLOGY, NEW DELHI	9,21,073.00
507 INSTITUTE OF HIMALAYAN BIORESOURCE TECHNOLOGY, PALAMPUR (G)	31,00,235.00
508 INSTITUTE OF HUMAN BEHAVIOUR & ALLIED SCIENCES , DELHI	89,994.00
509 INSTITUTE OF LIFE SCIENCES, BHUBANESWAR	40,82,589.00
510 INSTITUTE OF LIFE SCIENCES, HYDERABAD (G)	64,58,000.00
511 INSTITUTE OF LIVER & BILLIARY SCIENCES, NEW DELHI	2,39,297.00
512 INSTITUTE OF MATHEMATICAL SCIENCES, CHENNAI (G)	42,06,383.00

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc. Grants in Aid (General)

Annexure - 4A

PARTICULARS	Current Year
513 INSTITUTE OF MEDICAL SCIENCES, BHU , VARANASI	75,000.00
514 INSTITUTE OF MICROBIAL TECHNOLOGY, CHANDIGARH (G)	42,74,861.00
515 INSTITUTE OF MINERALS AND MATERIALS TECHNOLOGY, BHUBANESWAR (G)	24,87,646.00
516 INSTITUTE OF MOLECULAR MEDICINE , NEW DELHI (G)	6,85,000.00
517 INSTITUTE OF PATHOLOGY , NEW DELHI	23,66,900.00
518 INSTITUTE OF PETROLEUM TECHNOLOGY , GANDHINAGAR	3,00,000.00
519 INSTITUTE OF PHARMACY, NIRMA UNIVERSITY , AHMEDABAD	1,34,753.00
520 INSTITUTE OF PHYSICS , BHUBANESWAR	15,51,152.00
521 INSTITUTE OF POST GRADUATE MEDICAL EDUCATION & RESEARCH, KOLKATA	14,43,248.00
522 INSTITUTE OF SCIENCE , AURANGABAD	8,00,000.00
523 INSTITUTE OF SCIENCE, EDUCATION AND CULTURE , KOLKATA	75,000.00
524 INSTITUTE OF SEISMOLOGICAL RESEARCH , GANDHINAGAR	5,00,000.00
525 INSTITUTE OF TECHNICAL EDUCATION AND RESEARCH , BHUBANESWAR	1,00,000.00
526 INSTITUTE OF TECHNOLOGY, BANARAS HINDU UNIVERSITY, VARANASI	6,50,000.00
527 INSTITUTE OF TECHNOLOGY(BHU) , VARANASI	15,99,183.00
528 INSTITUTE OF TECHNOLOGY & MANAGEMENT UNIVERSE , VADODARA'(G)	50,000.00
529 INSTITUTE OF TECHNOLOGY, NIRMA UNIVERSITY , AHMEDABAD	1,02,665.00
530 INSTITUTE OF WOOD SCIENCE & TECHNOLOGY, BANGALORE (G)	1,65,372.00
531 INTEGRAL UNIVERSITY, LUCKNOW (G)	4,94,806.00
532 INTERACTIVE RESEARCH SCHOOL FOR HEALTH AFFAIRS, BHARATI VIDYAPEETH UNIVERSITY, PUNE (G)	28,16,912.00
533 INTERNATIONAL ADVANCED RESEARCH CENTRE FOR POWDER METALLURGY & NEW MATERIALS (ACRI), HYDERABAD (G)	6,94,14,035.00
534 INTERNATIONAL CENTRE FOR GENETIC ENGINEERING & BIOTECHNOLOGY, NEW DELHI (G)	95,36,036.00
535 INTERNATIONAL COUNCIL FOR BIODETERIORATION OF CULTURAL PROPERTY , LUCKNOW	1,00,000.00
536 INTERNATIONAL CROPS RESEARCH INSTITUTE FOR SEMI-ARID TROPICS , (C) PATANCHERU (G)	17,25,000.00

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc. Grants in Aid (General)

Annexure - 4A

PARTICULARS	Current Year
537 INTERNATIONAL DEVELOPMENT CENTRE FOUNDATION, NEW DELHI	2,00,000.00
538 INTERNATIONAL INSTITUTE OF FOOD AND NUTRITIONAL SCIENCES(IIFANS) , NEW DELHI	1,75,000.00
539 INTERNATIONAL INSTITUTE OF INFORMATION TECHNOLOGY, HYDERABD (G)	21,36,067.00
540 INTERNATIONAL INSTITUTE OF WASTE MANGAEMENT , BHOPAL	27,977.00
541 INTERNATIONAL SOCIETY FOR TROPICAL ECOLOGY, VARANASI	50,000.00
542 INTER UNIVERSITY ACCELERATOR CENTRE, NEW DELHI (G)	64,67,491.00
543 INTER UNIVERSITY CENTRE FOR ASTRONOMY AND ASTROPHYSICS, PUNE (G)	28,44,004.00
544 I.S.F. COLLEGE OF PHARMACY, MOGA (G)	9,26,264.00
545 ITM UNIVERSITY, GURGAON	1,25,000.00
546 ITS PARAMEDICAL COLLEGE , GHAZIABAD	90,861.00
547 JADAVPUR UNIVERSITY, KOLKATA (G)	1,32,90,945.00
548 JAGAMAYA DEVI COLLEGE , KOLKATA	38,877.00
549 JAGANNATH KISHORE COLLEGE, PURULIA	1,00,000.00
550 JAGDISH BOSE NATIONAL SCIENCE TALENT SEARCH(JBNSTS) , KOLKATA	3,00,000.00
551 JAI NARAIN VYAS UNIVERSITY, JODHPUR (G)	18,30,000.00
552 JAIN UNIVERSITY, BANGALORE (G)	14,06,491.00
553 JAIN UNIVERSITY, JAIN GLOBAL CAMPUS, RAMANAGARA (G)	5,00,000.00
554 JAIPUR DENTAL COLLEGE , JAIPUR	29,035.00
555 JAIPUR INSTITUTE OF ENGINEERING AND MANAGEMENT , JAIPUR	53,206.00
556 JAIPUR NATIONAL UNIVERSITY, JAIPUR	53,206.00
557 JAMIA HAMDARD (HAMDARD UNIVERSITY), NEW DELHI (G)	54,58,165.00
558 JAMIA MILLIA ISLAMIA, NEW DELHI (G)	51,96,400.00
559 JAN NAYAK CH. DEVI LAL MEMORIAL COLLEGE OF PHARMACY, SIRSA	6,69,835.00
560 JANNI SANRAKSHAN AVOM VIKAS SAMITI , NEW DELHI	50,000.00
561 JAWAHAR LAL INSTITUTE OF POST GRADUATE MEDICAL EDUCATION & RESEARCH, PONDICHERRY	1,09,120.00
562 JAWAHARLAL NEHRU CENTRE FOR ADVANCED SCIENTIFIC RESEARCH , BANGALORE (G)	1,41,41,544.00
563 JAWAHARLAL NEHRU MEDICAL COLLEGE, KLE UNIVERSITY , BELGAUM	54,823.00

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc. Grants in Aid (General)

Annexure - 4A

PARTICULARS

Current Year

564	JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY , HYDERABAD (G)	1,00,000.00
565	JAWAHARLAL NEHRU TROPICAL BOTANIC GARDEN AND RESEARCH INSTITUTE , THIRUVANANTHAPURAM	8,00,000.00
566	JAWAHARLAL NEHRU UNIVERSITY, NEW DELHI (G)	2,88,21,397.00
567	JAYARAM COLLEGE OF ENGINEERING & TECHNOLOGY , TRICHY (G)	1,65,000.00
568	JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY, NOIDA	17,50,000.00
569	JAYPEE UNIVERSITY OF ENGINEERING & TECHNOLOGY , GUNA	4,33,921.00
570	JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, SOLAN (G)	29,54,000.00
571	J.D.PATIL SANLUDKAR MAHAVIDYALAYA , DARYAPUR (G)	4,00,000.00
572	JEET EDUCATIONAL AND WELFARE SOCIETY, MORENA	35,000.00
573	JIWAJI UNIVERSITY, GWALIOR (G)	20,03,174.00
574	JOGESH CHANDRA CHAUDHURI COLLEGE, KOLKATA (G)	1,00,000.00
575	JSS COLLEGE OF ARTS COMMERCE AND SCIENCE , MYSORE (G)	4,44,998.00
576	JSS COLLEGE OF PHARMACY , OOTY	4,80,883.00
577	JSS MEDICAL COLLEGE, JSS UNIVERSITY , MYSORE(G)	40,000.00
578	JSS UNIVERSITY , MYSORE (G)	2,15,000.00
579	KAKATIYA UNIVERSITY, WARANGAL (G)	13,35,402.00
580	KALASALINGAM UNIVERSITY, KRISHNANKOIL (G)	46,33,387.00
581	KALINGA INSTITUTE OF INDUSTRIAL TECHNOLOGY UNIVERSITY, BHUBANESWAR (G)	10,04,696.00
582	KANYA MAHA VIDYALAYA , JALANDHAR	1,50,000.00
583	KARNATAKA STATE COUNCIL OF SCIENCE AND TECHNOLOGY, BANGALORE	5,75,000.00
584	KARNATAKA UNIVERSITY, DHARWAD (G)	13,85,883.00
585	KARNATAKA VETERINARY, ANIMAL & FISHERY SCIENCES UNIVERSITY , BIDAR (G)	50,000.00
586	KARPAGAM UNIVERSTIY, COIMBATORE (G)	17,79,267.00
587	KARUNYA UNIVERSITY, COIMBATORE (G)	19,83,406.00
588	KASTURBA MEDICAL COLLEGE-INTERNATIONAL CENTRE , MANIPAL	79,183.00
589	KASTURBA MEDICAL COLLEGE, MANGALORE	97,988.00
590	KASTURBA MEDICAL COLLEGE , MANIPAL (G)	19,04,823.00
591	KAVIKULGURU INSTITUTE OF TECHNOLOGY & SCIENCES ,	

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc. Grants in Aid (General)

Annexure - 4A

PARTICULARS	Current Year
RAMTEK	1,04,619.00
592 KERALA FOREST RESEARCH INSTITUTE , THRISSUR (G)	4,80,000.00
593 KERALA STATE COUNCIL FOR SCIENCE, TECHNOLOGY & ENVIRONMENT , THIRUVANANTHAPURAM	2,00,000.00
594 K.G.K.(P.G.) COLLEGE, MORADABAD	2,00,000.00
595 K G REDDY COLLEGE OF ENGINEERING AND TECHNOLOGY , MOINABAD	75,000.00
596 KHALSA COLLEGE AMRITSAR , AMRITSAR (G)	4,00,000.00
597 KHUSHI KALYAN SAMITI , NEW DELHI	40,000.00
598 KIDWAI MEMORIAL INSTITUTE OF ONCOLOGY, BANGALORE (G)	7,28,233.00
599 KING GEORGE'S MEDICAL UNIVERSITY , LUCKNOW (G)	2,02,661.00
600 KIRORI MAL COLLEGE , DELHI (G)	7,30,350.00
601 K. J. SOMAIYA COLLEGE OF SCIENCE AND COMMERCE, MUMBAI	1,00,000.00
602 K L E F UNIVERSITY, VADDESWARAM (G)	2,86,000.00
603 KLE UNIVERSITY OF COLLEGE OF PHARMACY, BANGALORE	79,651.00
604 K.L. UNIVERSITY, VADDESWARAM (G)	2,15,000.00
605 KOHIMA SCIENCE COLLEGE , JOTSOMA	1,03,760.00
606 KONGU ENGINEERING COLLEGE, PERUNDURAI	1,48,000.00
607 KRISHI VIGYAN KENDRA(KVK) BANASTHALI UNIVERSITY , BANASTHALI	2,00,000.00
608 KRISHNA UNIVERSITY , MACHILIPATNAM (G)	8,00,000.00
609 K.R.T. ARTS, B.H. COMMERCE & A.M. SCIENCE COLLEGE, NASHIK (G)	4,50,000.00
610 KSKV KACHCHH UNIVERSITY , BHUJ-KACHUCHH	50,000.00
611 K. S. RANGASAMY COLLEGE OF TECHNOLOGY, NAMAKKAL	8,30,365.00
612 K.S.R COLLEGE OF ENGINEERING, TIRUCHENGODE (G)	6,40,000.00
613 KUMARAGURU COLLEGE OF TECHNOLOGY, COIMBATORE (G)	50,000.00
614 KUMAUN UNIVERSITY, NAINITAL (G)	41,26,982.00
615 KURIAKOSE ELIAS (KE) COLLEGE, MANNANAM (G)	5,47,000.00
616 KURUKSHETRA UNIVERSITY, KURUKSHETRA (G)	16,54,201.00
617 KUVEMPU UNIVERSITY, SHIMOGA (G)	8,42,869.00
618 K.V.M.COLLEGE OF ENGINEERING & INFORMATION TECHNOLOGY , KOKKOTHAMANGALAM	60,000.00
619 LADY BRABOURNE COLLEGE , KOLKATA	40,488.00
620 LADY DOAK COLLEGE, MADURAI (G)	7,00,000.00
621 LADY HARDINGE MEDICAL COLLEGE, NEW DELHI	1,32,137.00
622 LADY IRWIN MEDICAL COLLEGE , DELHI	86,223.00

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc. Grants in Aid (General)

Annexure - 4A

PARTICULARS	Current Year
623 LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING, MYLAVARAM	75,000.00
624 LALA LAJPAT RAI MEMORIAL MEDICAL COLLEGE, MEERUT	89,118.00
625 LALBABA COLLEGE , HOWRAH	95,009.00
626 LALBHAJ DALPATRAM COLLEGE OF ENGINEERING , AHMEDABAD	75,100.00
627 LEARNING IN GEOGRAPHY, HUMANITIES, TECHNOLOGY AND SCIENCE, NEW DELHI	1,00,000.00
628 LINGAYA'S UNIVERSITY, FARIDABAD	75,000.00
629 LNM INSTITUTE OF INFORMATION TECHNOLOGY, JAIPUR	21,775.00
630 LOKMANYA TILAK COLLEGE OF ENGINEERING , NAVI MUMBAI	85,480.00
631 LOURDES MATHA COLLEGE OF SCIENCE & TECHNOLOGY , TRIVANDRUM	53,287.00
632 LOVELY PROFESSIONAL UNIVERSITY , PHAGWARA	1,92,063.00
633 LOYOLA COLLEGE, CHENNAI (G)	4,68,126.00
634 L.S.M.GOV.T. PG COLLEGE , PITHORAGARH	2,25,000.00
635 LUCKNOW UNIVERSITY (G)	33,04,594.00
636 L.V.PRASAD EYE INSTITUTE , BHUBANESWAR (G)	2,55,000.00
637 L.V. PRASAD EYE INSTITUTE, HYDERABAD	1,26,724.00
638 LYALLPUR KHALSA COLLEGE , JALANDHAR (G)	3,00,000.00
639 MADHAV INSTITUTE OF TECHNOLOGY AND SCIENCE GWALIOR	2,80,000.00
640 MADHYA PRADESH COUNCIL OF SCIENCE & TECHNOLOGY , BHOPAL	7,50,000.00
641 MADRAS DIABETES RESEARCH FOUNDATION , CHENNAI	5,00,000.00
642 MADRAS VETERINARY COLLEGE , CHENNAI	75,000.00
643 MADURAI KAMARAJ UNIVERSITY, MADURAI (G)	1,14,99,141.00
644 MAHANAND MISSION HARIJAN COLLEGE, GHAZIABAD (G)	6,00,000.00
645 MAHARAJA AGARSAIN INSTITUTE OF TECHNOLOGY , GHAZIABAD	50,000.00
646 MAHARAJA BIR BIKRAM COLLEGE, AGARTALA	75,000.00
647 MAHARASHTRA ANIMAL AND FISHERY SCIENCES UNIVERSITY, NAGPUR (G)	11,68,000.00
648 MAHARISHI DAYANAND UNIVERSITY , ROHTAK (G)	19,61,019.00
649 MAHARISHI MARKANDESHWAR UNIVERSITY, MULLANA	1,30,000.00
650 MAHATMA GANDHI NATIONAL INSTITUTE OF RESEARCH AND SOCIAL ACTION , HYDERABAD	50,000.00
651 MAHATMA GANDHI POST GRADUATE COLLEGE , GORAKHPUR	50,000.00



Science and Engineering Research Board

Expenditure on Grants, Subsidies etc. Grants in Aid (General)

Annexure - 4A

PARTICULARS	Current Year
652 MAHATMA GANDHI UNIVERSITY, KOTTAYAM (G)	24,34,711.00
653 MAHENDRA ENGINEERING COLLEGE , NAMAKKAL	32,120.00
654 MAHILA PG MAHAVIDYALAYA , JODHPUR (G)	5,00,000.00
655 MALABAR CHRISTIAN COLLEGE , CALICUT	1,50,000.00
656 MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY, JAIPUR (G)	9,34,563.00
657 MALVIYA NATIONAL INSTITUTE OF TECHNOLOGY , JAIPUR	13,25,000.00
658 MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING , MOOBBIDRI	50,000.00
659 MANGALORE UNIVERSITY, MANGALAGANGOTHRI, DAKSHINA KANNADA (G)	6,35,184.00
660 MANIPAL COLLEGE OF PHARMACEUTICAL SCIENCES , MANIPAL (G)	2,74,037.00
661 MANIPAL INSTITUTE OF TECHNOLOGY, MANIPAL (G)	5,02,406.00
662 MANIPAL UNIVERSITY, KASTURBA MEDICAL COLLEGE, MANIPAL	8,00,000.00
663 MANIPAL UNIVERSITY, MANIPAL (G)	7,99,626.00
664 MANIPUR UNIVERSITY, IMPHAL (G)	50,12,000.00
665 MANONMANIAM SUNDARANAR UNIVERSITY, TIRUNELVELI (G)	15,67,996.00
666 MARRI LAXMAN REDDY INSTITUTE OF TECHNOLOGY, HYDERABAD	1,50,000.00
667 MAR THOMA COLLEGE, TIRUVALLA (G)	4,82,160.00
668 MARUDHAR ENGINEERING COLLEGE , BIKANER	40,000.00
669 MATERIALS RESEARCH SOCIETY OF INDIA , MUMBAI	1,00,000.00
670 MATOSHRI PRATISHTAN GROUP OF INSTITUTION , NANDED	43,078.00
671 MAULANA AZAD INSTITUTE OF DENTAL SCIENCES, NEW DELHI	10,24,118.00
672 MAULANA AZAD MEDICAL COLLEGE, NEW DELHI	12,48,866.00
673 MAULANA AZAD MEDICAL COLLEGE OF ARTS, SCIENCE & COMMERCE , AURANGABAD	1,00,000.00
674 MAULANA AZAD NATIONAL INSTITUTE OF TECHNOLOGY, BHOPAL (G)	2,34,488.00
675 MAULANA AZAD COLLEGE , KOLKATA (G)	4,21,806.00
676 M.D.UNIVERSITY, ROHTAK	1,39,667.00
677 MEDWIN HOSPITALS , HYDERABAD	81,342.00
678 MEENAKSHI COLLEGE FOR WOMEN , CHENNAI	50,000.00
679 MIDNAPORE COLLEGE , MIDNAPORE (G)	3,80,000.00
680 MILLIYA ARTS, SCIENCE AND MANAGEMENT SCIENCE COLLEGE, BEED (G)	2,00,000.00
681 MIMS RESEARCH FOUNDATION , CALICUT (G)	4,00,000.00

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc. Grants in Aid (General)

Annexure - 4A

PARTICULARS	Current Year
682 MIRANDA HOUSE , DELHI	2,30,000.00
683 MISSION VIVEKANANDA UNIVERSITY , HOWRAH	4,15,600.00
684 MIZORAM UNIVERSITY, AIZAWL (G)	40,75,332.00
685 MJP ROHILKHAND UNIVERSITY, BAREILLY	1,75,000.00
686 M.M. INSTITUTE OF MEDICAL SCIENCE & RESEARCH, AMBALA	76,653.00
687 MODEL INSTITUTE OF ENGINEERING & TECHNOLOGY, JAMMU	71,685.00
688 MODERN COLLEGE OF ARTS, SCIENCES & COMMERCE , PUNE	7,00,000.00
689 MODERN COLLEGE OF PHARMACY , PUNE	81,863.00
690 MODY INSTITUTE OF TECHNOLOGY & SCIENCE, SIKAR	3,75,000.00
691 MOHAMED SATHAK ENGINEERING COLLEGE , KILAKARAI (G)	4,37,000.00
692 MOHANLAL SUKHADIA UNIVERSITY, UDAIPUR (G)	11,29,469.00
693 MORIGAON COLLEGE , MORIGAON	75,000.00
694 MOTHER TERESA WOMEN'S UNIVERSITY, KODAIKANAL (G)	50,000.00
695 MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY, ALLAHABAD (G)	16,91,994.00
696 M.P.SHAH ARTS & SCIENCE COLLEGE , SURENDRANGAR	39,091.00
697 M. S. ENGINEERING COLLEGE , BANGALORE	1,50,000.00
698 M. S. RAMAIAH INSTITUTE OF TECHNOLOGY, BANGALORE (G)	10,98,187.00
699 M. S. SWAMINATHAN RESEARCH FOUNDATION, CHENNAI	1,50,000.00
700 MUKAND LAL NATIONAL COLLEGE, YAMUNA NAGAR	1,50,000.00
701 MUKESH PATEL SCHOOL OF TECHNOLOGY, MANAGEMENT & ENGINEERING , MUMBAI	25,358.00
702 MUTHURANGAM GOVT.ARTS COLLEGE , VELLORE (G)	4,42,000.00
703 NAGALAND UNIVERSITY , KOHIMA (G)	3,80,685.00
704 NAGRIK SHIKSHA SAMITI, NEW DELHI	1,75,000.00
705 NARASINHA DUTT COLLEGE , HOWRAH	3,00,000.00
706 NARAYANA ENGINEERING COLLEGE , NELLORE	50,000.00
707 NARSEE MOONJEE INSTITUTE OF MANAGEMENT SCIENCES , MUMBAI	70,200.00
708 NARULA INSTITUTE OF TECHNOLOGY, KOLKATA	82,744.00
709 NATIONAL ACADEMY OF SCIENCES , ALLAHABAD	1,50,000.00
710 NATIONAL AEROSPACE LABORATORIES, BANGALORE	1,94,118.00
711 NATIONAL AGRI-FOOD BIOTECHNOLOGY INSTITUTE , MOHALI (G)	24,00,636.00
712 NATIONAL ATMOSPHERIC RESEARCH LABORATORY , TIRUPATI	62,103.00
713 NATIONAL BOTANICAL RESEARCH INSTITUTE, LUCKNOW (G)	39,02,000.00
714 NATIONAL BRAIN RESEARCH CENTRE, GURGAON	14,89,752.00

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc. Grants in Aid (General)

Annexure - 4A

PARTICULARS	Current Year
715 NATIONAL BUREAU OF AGRICULTURALLY IMPORTANT INSECTS , BANGALORE	50,888.00
716 NATIONAL BUREAU OF AGRICULTURALLY IMPORTANT MICROORGANISM , MAU NATH BHANJAN	5,00,000.00
717 NATIONAL BUREAU OF FISH GENETIC RESOURCES (ICAR), LUCKNOW	6,00,000.00
718 NATIONAL BUREAU OF PLANT GENETIC RESOURCES , NEW DELHI (G)	18,23,539.00
719 NATIONAL CENTRE FOR ANTARCTIC & OCEAN RESEARCH, VASCO-DA-GAMA, GOA (G)	74,155.00
720 NATIONAL CENTRE FOR BIOLOGICAL SCIENCES , BANGALORE (G)	1,95,08,629.00
721 NATIONAL CENTRE FOR CELL SCIENCE , PUNE	51,45,229.00
722 NATIONAL CENTRE FOR RADIOASTROPHYSICS, TIFR, NCRA, PUNE	14,60,000.00
723 NATIONAL CHEMICAL LABORATORY, PUNE (G)	2,37,34,024.00
724 NATIONAL COLLEGE , TIRUCHIRAPPALLI (G)	6,10,000.00
725 NATIONAL CORROSION COUNCIL OF INDIA , KARAIKUDI	75,000.00
726 NATIONAL DAIRY RESEARCH INSTITUTE, KARNAL	1,72,490.00
727 NATIONAL DAIRY RESEARCH INSTITUTE , KARNAL(G)	6,06,000.00
728 NATIONAL ENGINEERING COLLEGE, KOVILPATTI	6,88,075.00
729 NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE , MUMBAI	50,000.00
730 NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE , NAGPUR (G)	26,38,257.00
731 NATIONAL ENVIRONMENTAL SCIENCE ACADEMY , NEW DELHI	1,50,000.00
732 NATIONAL GEOPHYSICAL RESEARCH INSTITUTE, HYDERABAD (G)	1,77,34,317.00
733 NATIONAL INFORMATICS CENTRE SERVICE INC. (NICS), NEW DELHI	7,69,696.00
734 NATIONAL INSTITUTE FOR INTERDISCIPLINARY SCIENCE & TECHNOLOGY , THIRUVANANTHAPURAM (G)	1,26,02,574.00
735 NATIONAL INSTITUTE FOR RESEARCH IN REPRODUCTIVE HEALTH(ICMR) , MUMBAI (G)	46,58,264.00
736 NATIONAL INSTITUTE OF ADVANCED STUDIES, BANGALORE	52,86,375.00
737 NATIONAL INSTITUTE OF BIOMEDICAL GENOMICS, KALYANI (G)	4,55,000.00
738 NATIONAL INSTITUTE OF CHOLERA & ENTERIC	

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc. Grants in Aid (General)

Annexure - 4A

PARTICULARS	Current Year
DISEASES, KOLKATA	2,59,829.00
739 NATIONAL INSTITUTE OF ENGINEERING, MYSORE	1,00,000.00
740 NATIONAL INSTITUTE OF FASHION TECHNOLOGY , CHENNAI	1,04,921.00
741 NATIONAL INSTITUTE OF FOUNDRY AND FORGE TECHNOLOGY , HATIA, RANCHI (G)	50,000.00
742 NATIONAL INSTITUTE OF HYDROLOGY , ROORKEE	20,68,023.00
743 NATIONAL INSTITUTE OF IMMUNOHAEMATOLOGY , MUMBAI	1,07,616.00
744 NATIONAL INSTITUTE OF IMMUNOLOGY, NEW DELHI (G)	1,18,13,643.00
745 NATIONAL INSTITUTE OF INDUSTRIAL ENGINEERING , MUMBAI	2,08,472.00
746 NATIONAL INSTITUTE OF MALARIA RESEARCH, NEW DELHI	2,78,622.00
747 NATIONAL INSTITUTE OF MENTAL HEALTH AND NEURO SCIENCES , BANGALORE (G)	89,91,605.00
748 NATIONAL INSTITUTE OF MINERS HEALTH , NAGPUR	40,000.00
749 NATIONAL INSTITUTE OF NUTRITION, HYDERABAD	12,50,783.00
750 NATIONAL INSTITUTE OF OCEANOGRAPHY, GOA (G)	71,32,183.00
751 NATIONAL INSTITUTE OF OCEAN TECHNOLOGY , CHENNAI	4,60,000.00
752 NATIONAL INSTITUTE OF PHARMACEUTICAL EDUCATION & RESEARCH (NIPER), PUNJAB (G)	81,49,180.00
753 NATIONAL INSTITUTE OF PLANT GENOME RESEARCH, NEW DELHI (G)	27,04,262.00
754 NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, BHUBANESWAR (G)	1,08,70,000.00
755 NATIONAL INSTITUTE OF SCIENCE & TECHNOLOGY, BERHAMPUR	5,08,206.00
756 NATIONAL INSTITUTE OF SCIENCE TECHNOLOGY & DEVELOPMENT STUDIES , NEW DELHI	3,51,155.00
757 NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH , CHANDIGARH	1,00,000.00
758 NATIONAL INSTITUTE OF TECHNOLOGY, ASSAM (G)	6,78,450.00
759 NATIONAL INSTITUTE OF TECHNOLOGY, CALICUT (G)	29,88,203.00
760 NATIONAL INSTITUTE OF TECHNOLOGY, DURGAPUR (G)	59,05,595.00
761 NATIONAL INSTITUTE OF TECHNOLOGY, HAMIRPUR, HP (G)	9,40,275.00
762 NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL (G)	19,56,008.00
763 NATIONAL INSTITUTE OF TECHNOLOGY, KURUKSHTRA (G)	9,25,869.00
764 NATIONAL INSTITUTE OF TECHNOLOGY , PAPUM PARE	52,976.00
765 NATIONAL INSTITUTE OF TECHNOLOGY, PATNA	50,000.00
766 NATIONAL INSTITUTE OF TECHNOLOGY , RAIPUR (G)	5,75,000.00

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc. Grants in Aid (General)

Annexure - 4A

PARTICULARS	Current Year
767 NATIONAL INSTITUTE OF TECHNOLOGY, ROURKELA (G)	63,26,615.00
768 NATIONAL INSTITUTE OF TECHNOLOGY, SIKKIM (G)	1,50,000.00
769 NATIONAL INSTITUTE OF TECHNOLOGY, SRINAGAR (G)	4,14,354.00
770 NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI (G)	55,55,083.00
771 NATIONAL INSTITUTE OF TECHNOLOGY, TRIPURA (G)	4,00,000.00
772 NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL (G)	19,10,707.00
773 NATIONAL JALMA INSTITUTE OF LEPROSY & MYCOBACTERIAL DISEASES, AGRA	3,00,000.00
774 NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR (G)	11,39,832.00
775 NATIONAL PHYSICAL LABORATORY, NEW DELHI (G)	55,94,452.00
776 NATIONAL RESEARCH CENTRE FOR BANANA, TIRUCHIRAPPALLI (G)	3,00,000.00
777 NATIONAL RESEARCH CENTRE ON EQUINES, HISAR (G)	50,000.00
778 NATIONAL RESEARCH CENTRE ON MEAT, HYDERABAD (G)	75,000.00
779 NATIONAL RESEARCH CENTRE ON PLANT BIOTECHNOLOGY, IARI, NEW DELHI (G)	8,00,000.00
780 NATURE CONSERVATION FOUNDATION, MYSORE (G)	1,59,361.00
781 NEHRU GRAM BHARATI UNIVERSITY, ALLAHABAD	75,000.00
782 NEHRU MEMORIAL COLLEGE, TIRUCHIRAPPALLI (G)	8,34,000.00
783 NETAJI SUBHASH CHANDRA BOSE CANCER RESEARCH INSTITUTE, KOLKATA	1,35,383.00
784 NETAJI SUBHASH INSTITUTE OF TECHNOLOGY, NEW DELHI (G)	6,42,897.00
785 NETAJI SUBHASH MAHAVIDYALAYA, TRIPURA	50,000.00
786 NIIT UNIVERSITY, NEEMRANA, RAJASTHAN (G)	9,50,000.00
787 NIRMA UNIVERSITY, AHMEDABAD	2,94,957.00
788 NITTE MEENAKSHI INSTITUTE OF TECHNOLOGY, BANGALORE (G)	5,00,000.00
789 NITTE UNIVERSITY, MANGALORE (G)	11,25,000.00
790 NIZAM'S INSTITUTE OF MEDICAL SCIENCES, HYDERABAD (G)	7,92,000.00
791 NIZAM COLLEGE, OSMANIA UNIVERSITY, HYDERABAD	1,00,000.00
792 N. J. MARATHA VIDYA PRASARAK SAMAJ, SURAT	40,000.00
793 NMAM INSTITUTE OF TECHNOLOGY, NITTE, UDUPI (G)	1,55,000.00
794 NOORAL ISLAM COLLEGE OF ENGINEERING, KUMARACOIL	2,00,000.00
795 NOORUL ISLAM CENTER FOR HIGHER EDUCATION, KANYAKUMARI (G)	3,70,000.00
796 NOORUL ISLAM UNIVERSITY, NAGARCOIL, KANYAKUMARI	46,486.00
797 NORTH EASTERN HILL UNIVERSITY, SHILLONG (G)	48,88,156.00

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc. Grants in Aid (General)

Annexure - 4A

PARTICULARS	Current Year
798 NORTH EASTERN REGIONAL INSTITUTE OF SCIENCE & TECHNOLOGY(NERIST), NIRJULI	7,90,684.00
799 NORTH-EAST INSTITUTE OF SCIENCE AND TECHNOLOGY, JORHAT (G)	29,16,465.00
800 NORTH MAHARASHTRA UNIVERSITY, JALGAON (G)	21,87,884.00
801 NORTH ORISSA UNIVERSITY, BARIPADA (G)	6,30,000.00
802 N.S.S. COLLEGE , PATHANAMTHITTA (G)	5,30,000.00
803 NTR COLLEGE OF VETERINARY SCIENCE, SRI VENKATESWARA VETERINAY UNIVERSITY , GANNAVARAM	51,909.00
804 NUTAN MAHAVIDYALAYA , SAILU	1,08,109.00
805 OPERATIONAL RESEARCH SOCIETY OF INDIA, DELHI CHAPTER , DELHI	1,25,000.00
806 ORISSA ENGINEERING COLLEGE , BHUBANESWAR	50,000.00
807 ORISSA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY , BHUBANESWAR	75,000.00
808 OSMANIA UNIVERSITY, HYDERABAD (G)	84,61,089.00
809 PACHAIYAPPA'S COLLEGE, CHENNAI	1,644.00
810 PACHHUNGA UNIVERSITY COLLEGE, AIZWAL (G)	13,00,000.00
811 PADMASHREE DR.D.Y.PATIL UNIVERSITY, NAVI MUMBAI (G)	7,00,000.00
812 PADRE CONCEICAO COLLEGE OF ENGINEERING , VERNA	1,10,873.00
813 PAHEL VIK'ANG PUNARWAS KENDRA SAMITI , KANPUR	1,50,000.00
814 PAILAN COLLEGE OF MANAGEMENT AND TECHNOLOGY , KOLKATA (G)	1,00,000.00
815 PALAEONTOLOGICAL SOCIETY OF INDIA , LUCKNOW	75,000.00
816 PANDIT DEENDAYAL PETROLEUM UNIVERSITY, GANDHI NAGAR (G)	4,50,000.00
817 PANIHATI MAHAVIDYALAYA, KOLKATA (G)	3,00,000.00
818 PANIPAT INSTITUTE OF ENGINEERING AND TECHNOLOGY , PANIPAT	1,13,365.00
819 PAO(BSI.ZSI) , KOLKATA (G)	6,20,000.00
820 PARUL AROGYA SEVA MANDAL, VADODARA	1,29,720.00
821 PATNA UNIVERSITY, PATNA	1,00,000.00
822 P. D. PATEL INSTITUTE OF APPLIED SCIENCE, CHARUSAT, ANAND (G)	50,000.00
823 PDPM IIIT, DESIGN & MANUFACTURING , JABALPUR (G)	10,69,833.00
824 PEOPLE'S EDUCATION SOCIETY INSTITUTE OF TECHNOLOGY , BANGALORE	1,44,813.00
825 PEOPLE'S UNIVERSITY , BHOPAL	99,999.00



Science and Engineering Research Board

Expenditure on Grants, Subsidies etc. Grants in Aid (General)

Annexure - 4A

PARTICULARS	Current Year
826 PERIYAR UNIVERSITY, SALEM (G)	22,87,866.00
827 PES MODERN COLLEGE OF ARTS, SCIENCE & COMMERCE , PUNE (G)	4,00,000.00
828 PHYSICAL RESEARCH LABORATORY, AHMEDABAD	28,02,308.00
829 PHYSICAL RESEARCH LABORATORY , UDAIPUR	42,442.00
830 PILLAI INSTITUTE OF INFORMATION TECHNOLOGY , NEW PANVEL	3,95,518.00
831 PLASMA SCIENCE SOCIETY OF INDIA(PSSI) , GANDHINAGAR	1,00,000.00
832 PONDICHERRY ENGINEERING COLLEGE, PUDUCHERRY	39,522.00
833 PONDICHERRY UNIVERSITY, PUDUCHERRY (G)	72,60,254.00
834 POONA COLLEGE OF ARTS, SCIENCE & COMMERCE , PUNE	95,237.00
835 POORNAPRANJA INSTITUTE OF SCIENTIFIC RESEARCH, BANGALORE (G)	1,98,665.00
836 POORNIMA GROUP OF INSTITUTIONS , JAIPUR	1,02,742.00
837 POST GRADUATE GOVERNMENT COLLEGE , CHANDIGARH	96,911.00
838 POSTGRADUATE INSTITUTE OF MEDICAL EDUCATION AND RESEARCH, CHANDIGARH (G)	62,94,393.00
839 PRESIDENCY UNIVERSITY, KOLKATA (G)	23,47,470.00
840 PRIMATE RESEARCH CENTRE , JODHPUR (G)	50,000.00
841 PRIYADARSHINI COLLEGE OF ENGINEERING, NAGPUR	73,713.00
842 PROBIOTIC ASSOCIATION OF INDIA , KARNAL	2,00,000.00
843 PROJECT DIRECTORATE OF POULTRY , HYDERABAD (G)	1,20,749.00
844 PROJECT DIRECTORATE ON ANIMAL DISEASES MONITORING AND SURVEILLANCE, BANGALORE (G)	50,000.00
845 PROVIDENCE WOMEN'S COLLEGE , CALICUT	2,18,400.00
846 PSG COLLEGE OF PHARMACY, COIMBATORE (G)	9,20,000.00
847 PSG COLLEGE OF TECHNOLOGY, COIMBATORE (G)	40,07,026.00
848 PSG INSTITUTE OF ADVANCED STUDIES , COIMBATORE (G)	6,28,000.00
849 PSN COLLEGE OF ENGINEERING & TECHNOLOGY, TIRUNELVELI	3,24,806.00
850 PT. B D SHARMA UNIVERSITY OF HEALTH SCIENCE , ROHTAK	60,114.00
851 PT. RAVISHANKAR SHUKLA UNIVERSITY, RAIPUR (G)	1,21,06,848.00
852 PUBLIC HEALTH FOUNDATION OF INDIA, NEW DELHI	3,00,000.00
853 PUNE INSTITUTE OF COMPUTER TECHNOLOGY, PUNE	1,44,904.00
854 PUNJAB AGRICULTURAL UNIVERSITY, LUDHIANA (G)	9,93,960.00
855 PUNJABI UNIVERSITY, PATIALA (G)	23,25,159.00
856 PUNJAB TECHNICAL UNIVERSITY, KAPURTHALA (G)	1,50,000.00

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc. Grants in Aid (General)

Annexure - 4A

PARTICULARS	Current Year
857 PUNJAB UNIVERSITY, CHANDIGARH (G)	90,07,429.00
858 RAJA BALWANT SINGH (RBS) COLLEGE, AGRA	2,00,000.00
859 RAJAH SERFOJI GOVERNMENT COLLEGE , THANJAVUR	1,00,000.00
860 RAJALAKSHMI ENGINEERING COLLEGE, CHENNAI	1,02,064.00
861 RAJA PEARY MOHAN COLLEGE, HOOGHLY	7,50,000.00
862 RAJA RAMANNA CENTRE FOR ADVANCED TECHNOLOGY, INDORE	27,60,000.00
863 RAJASTHAN COLLEGE OF ENGINEERING FOR WOMEN, JAIPUR	75,000.00
864 RAJIV GANDHI CANCER INSTITUTE AND RESEARCH CENTRE, DELHI	39,845.00
865 RAJIV GANDHI CENTRE FOR BIOTECHNOLOGY , THIRUVANANTHAPURAM (G)	25,05,000.00
866 RAJIV GANDHI COLLEGE OF VETERINARY AND ANIMAL SCIENCES , PONDICHERRY (G)	50,000.00
867 RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY , RAEBARELI (G)	1,50,000.00
868 RAJIV GANDHI UNIVERSITY, ITANAGAR (G)	14,94,010.00
869 RAJIV GANDHI UNIVERSITY OF KNOWLEDGE TECHNOLOGIES, ADILABAD	75,000.00
870 RAJYOGA EDUCATION & RESEARCH FOUNDATION , NEW DELHI	50,000.00
871 RAMAKRISHNA MISSION RESIDENTIAL COLLEGE, KOLKATA(G)	1,95,852.00
872 RAMANUJAN MATHEMATICAL SOCIETY, MYSORE	13,66,895.00
873 RAMJAS COLLEGE , DELHI	2,80,030.00
874 RAMNARAIN RUIA COLLEGE , MUMBAI	89,495.00
875 RANAGHAT COLLEGE , RANAGHAT (G)	4,44,000.00
876 RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY , NAGPUR	12,76,051.00
877 RASHTRIYA JAN KALYAN SAMITI , NEW DELHI	1,60,000.00
878 RASHTRIYA SANSKRIT VIDYAPEETH(DEEMED UNIVERSITY), TIRUPATI	1,25,000.00
879 RAVENSHAW UNIVERSITY, CUTTACK (G)	12,72,000.00
880 RAYALASEEMA UNIVERSITY , KURNOOL, AP	1,28,075.00
881 RAYAT BAHRA INSTITUTE OF ENGG. & NANO TECHNOLOGY, HOSHIARPUR	65,980.00
882 R.C.PATEL ARTS, COMMERCE & SCIENCE COLLEGE , SHIRPUR (G)	50,000.00

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc. Grants in Aid (General)

Annexure - 4A

PARTICULARS	Current Year
883 REGIONAL CANCER CENTRE , TRIVANDRUM	88,739.00
884 REGIONAL MEDICAL RESEARCH CENTRE , BHUBANESWAR	7,00,000.00
885 REGIONAL MEDICAL RESEARCH CENTRE, DIBRUGARH	83,273.00
886 RESEARCH AND INFORMATION SYSTEM FOR DEVELOPING COUNTRIES , NEW DELHI	1,00,000.00
887 REVA INSTITUTE OF TECHNOLOGY AND MANAGEMENT , BANGALORE	60,000.00
888 RITA RENUKA SIKSHA & SAMAAJ KALYAN SAMITI , DATIA	40,000.00
889 RKSD COLLEGE, KAITHAL	70,854.00
890 R.M.D ENGINEERING COLLEGE, KAVARAIPETTAI	23,544.00
891 R.M.K ENGINEERING COLLEGE , TIRUVALLUR (G)	50,000.00
892 ROLAND INSTITUTE OF PHARMACEUTICAL SCIENCES , BERHAMPORE	64,226.00
893 ROYAL SCHOOL OF ENGINEERING AND TECHNOLOGY, GUWAHATI	1,00,000.00
894 R. P. SHAH MEMORIAL TRUST FOR CHILDREN WITH DISABILITIES , LUCKNOW	75,000.00
895 RTM NAGPUR UNIVERSITY, NAGPUR (G)	2,07,867.00
896 SACRED HEART COLLEGE , COCHIN (G)	1,65,000.00
897 SAFDARJUNG HOSPITAL, NEW DELHI	9,00,000.00
898 SAFDARJUNG HOSPITAL & V.M.M.C, NEW DELHI	2,58,488.00
899 SAHA INSTITUTE OF NUCLEAR PHYSICS, KOLKATA (G)	34,38,984.00
900 SAHYADRI SCIENCE COLLEGE, SHIMOGA (G)	4,50,000.00
901 SALIM ALI CENTRE FOR ORNITHOLOGY AND NATURAL HISTORY, COIMBATORE (G)	35,09,794.00
902 SAMARPAN FOR EDUCATION AND WELFARE SOCIETY , AGRA	50,000.00
903 SAMBALPUR UNIVERSITY, SAMBALPUR (G)	16,83,526.00
904 SAM HIGGINBOTTOM INSTITUTE OF AGRICULTURE, TECHNOLOGY AND SCIENCES , ALLAHABAD (G)	10,46,265.00
905 SAMMILANI MAHAVIDYALAYA , KOLKATA (G)	1,00,000.00
906 SANJAY GANDHI POSTGRADUATE INSTITUTE OF MEDICAL SCIENCES, LUCKNOW (G)	32,12,799.00
907 SANKARA NETHRALAYA , CHENNAI	1,52,568.00
908 SANKARLINGAM BHUVANESHWARI COLLEGE OF PHARMACY , SIVAKASI	75,000.00
909 SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI (G)	12,85,806.00
910 SANT LONGOWAL INSTITUTE OF ENGINEERING & TECHNOLOGY , LONGOWAL (G)	5,38,000.00

Science and Engineering Research Board

Expenditure on Grants , Subsidies etc. Grants in Aid (General)

Annexure - 4A

PARTICULARS	Current Year
911 SARDAR PATEL CENTRE FOR SCIENCE & TECHNOLOGY , VALLABH VIDYANAGAR	1,44,000.00
912 SARDAR PATEL UNIVERSITY, VALLABH VIDYANAGAR (G)	15,00,897.00
913 SARDAR VALLABHBHAI NATIONAL INSTITUTE OF TECHNOLOGY, SURAT (G)	28,48,920.00
914 SARDAR VALLABH BHAI PATEL UNIVERSITY OF AGRICULTURE & TECHNOLOGY, MEERUT	7,00,000.00
915 SAROJINI NAIDU MEDICAL COLLEGE , AGRA (G)	6,00,000.00
916 SASTRA UNIVERSITY, THANJAVUR (G)	27,21,138.00
917 SATHYABAMA UNIVERSITY, CHENNAI (G)	14,82,383.00
918 SAT KAIVAL COLLEGE OF PHARMACY , SARSA, ANAND	40,000.00
919 SAURASHTRA UNIVERSITY, RAJKOT (G)	24,85,100.00
920 SAVEETHA SCHOOL OF ENGINEERING , CHENNAI (G)	3,60,000.00
921 SCHOOL OF ENGINEERING, CUSAT , KOCHI	95,015.00
922 SCHOOL OF PETROLEUM TECHNOLOGY,GANDHINAGAR (G)	50,000.00
923 SCHOOL OF PLANNING AND ARCHITECTURE , BHOPAL (G)	7,35,000.00
924 SCIENTIFIC SOCIETY OF DEPARTMENT OF MEDICINE , INDORE	75,000.00
925 SCOTT CHRISTIAN COLLEGE , NAGERCOIL (G)	5,00,000.00
926 SCOTTISH CHURCH COLLEGE, KOLKATA (G)	1,70,000.00
927 SDM COLLEGE OF ENGINEERING & TECHNOLOGY, DHARWAD	83,873.00
928 SELVAMM ARTS AND SCIENCE COLLEGE , NAMAKKAL (G)	5,00,000.00
929 SERAMPORE COLLEGE , SERAMPORE, HOOGHLY (G)	5,60,346.00
930 SETH G. S. MEDICAL COLLEGE & KEM HOSPITAL, MUMBAI	1,30,103.00
931 SETHU INSTITUTE OF TECHNOLOGY , KARIAPATTI	50,000.00
932 SGTB KHALSA COLLEGE , DELHI (G)	2,80,000.00
933 SHADAN INSTITUTE OF MEDICAL SCIENCES , HYDERABAD	80,246.00
934 SHARDA UNIVERSITY, GREATER NOIDA	5,34,371.00
935 SHER- E-KASHMIR UNIVERSITY OF AGRICULTURAL SCIENCES & TECHNOLOGY OF KASHMIR (SKUAST-K), SRINAGAR (G)	18,37,893.00
936 SHER-E-KASHMIR UNIVERSITY OF AGRICULTURAL SCIENCE & TECHNOLOGY, SAMBA	2,21,182.00
937 SHIVAJI UNIVERSITY, KOLHAPUR (G)	23,85,024.00
938 SHIV NADAR UNIVERSITY , GAUTAM BUDH NAGAR (G)	50,000.00
939 SHOOLINI UNIVERSITY OF BIOTECHNOLOGY AND MANAGEMENT SCIENCES , SOLAN (G)	10,77,176.00
940 SHOOLINI UNIVERSITY , SOLAN	2,11,149.00
941 SHREE BALDEO P.G.COLLEGE , VARANASI	50,000.00
942 SHREE DEVI COLLEGE OF PHARMACY , MANGALORE	46,058.00

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc. Grants in Aid (General)

Annexure - 4A

PARTICULARS	Current Year
943 SHREE S. K. PATEL COLLEGE OF PHARMACEUTICAL EDUCATION & RESEARCH , MEHSANA	50,000.00
944 SHRI AMM MURUGAPPA CHETTIAR RESEARCH CENTRE , CHENNAI	6,00,000.00
945 SHRI B.M.SHAH COLLEGE OF PHARMACEUTICAL EDUCATION AND RESEARCH , MODASA	1,00,000.00
946 SHRI GIRRAJ EDUCATIONAL AND SOCIAL WELFARE SOCIETY, NEW DELHI	1,30,000.00
947 SHRI G. S. INSTITUTE OF TECHNOLOGY & SCIENCE, INDORE	81,901.00
948 SHRI MATA VAISHNO DEVI UNIVERSITY, JAMMU (G)	6,26,351.00
949 SHRIRAM COLLEGE OF ENGINEERING & MANAGEMENT, MORENA	40,000.00
950 SHRI RAMDEOBABA COLLEGE OF ENGINEERING AND MANAGEMENT , NAGPUR	23,362.00
951 SHRI RAM INSTITUTE OF SCIENCE AND TECHNOLOGY , JABALPUR (G)	2,00,000.00
952 SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S SCIENCE COLLEGE , NAGPUR	1,00,000.00
953 SHRI S.H.KELKAR COLLEGE OF ARTS, COMMERCE AND SCIENCE , SINDUDURG	65,990.00
954 SHRI S.I.PATIL ARTS, G.B.PATEL SCIENCE & STSKVS COMMERCE COLLEGE, SHAHADA (G)	2,50,000.00
955 SHRI VAISHNAV INSTITUTE OF TECHNOLOGY & SCIENCE, INDORE	1,09,599.00
956 SHRI VISHNU COLLEGE OF PHARMACY, BHIMAVARAM	97,949.00
957 SHRI VISHNU ENGINEERING COLLEGE FOR WOMEN, BHIMAVARAM	75,000.00
958 SIKKIM GOVERNMENT COLLEGE , GANGTOK (G)	8,14,508.00
959 SIKKIM MANIPAL INSTITUTE OF TECHNOLOGY , RANGPO	4,00,000.00
960 SIKKIM UNIVERSITY , TADONG (G)	9,29,605.00
961 SIKSHA 'O' ANUSANDHAN UNIVERSITY, BHUBANESWAR (G)	30,62,779.00
962 SILIGURI INSTITUTE OF TECHNOLOGY, DARJEELING	45,701.00
963 SINHGAD ACADEMY OF ENGINEERING , PUNE(G)	50,000.00
964 SIR GANGA RAM HOSPITAL, NEW DELHI	3,78,982.00
965 SIR M. VISVESWARAYA INSTITUTE OF TECHNOLOGY, BANGALORE (G)	4,85,000.00
966 SIR PADAMPAT SINGHANIA UNIVERSITY, UDAIPUR	3,48,253.00
967 SITHA INSTITUTE OF PHARMACEUTICAL SCIENCES ,	

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc. Grants in Aid (General)

Annexure - 4A

PARTICULARS	Current Year
	75,000.00
968 HYDERABAD SKN SINHGAD COLLEGE OF ENGINEERING KORTI , SOLAPUR (G)	1,25,000.00
969 S.K.UNIVERSITY OF AGRICULTURAL SCIENCES & TECHNOLOGY , JAMMU (G)	8,54,740.00
970 S.N.BOSE NATIONAL CENTRE FOR BASIC SCIENCES, KOLKATA (G)	26,98,210.00
971 SNOW AND AVALANCHE STUDY ESTABLISHMENT(SASE), CHANDIGARH (G)	7,53,485.00
972 SOCIAL, ENVIRONMENTAL AND BIOLOGICAL ASSOCIATION , KOLKATA	50,000.00
973 SOCIETY FOR CONSERVATION AND RESOURCE DEVELOPMENT OF MEDICINAL PLANTS, NEW DELHI	2,25,000.00
974 SOCIETY FOR PLANT RESEARCH , MEERUT	75,000.00
975 SOCIETY FOR SUGAR RESEARCH AND PROMOTION, NEW DELHI	3,00,000.00
976 SOCIETY FOR TECHNOLOGY MANAGEMENT (STEM), HYDERABAD	75,000.00
977 SOCIETY OF PLANT PROTECTION SCIENCES , NEW DELHI	40,000.00
978 SOLAPUR UNIVERSITY, SOLAPUR	1,01,377.00
979 SONA COLLEGE OF TECHNOLOGY , SALEM (G)	1,75,000.00
980 SOUTH ASIAN UNVIERSITY , NEW DELHI (G)	5,79,000.00
981 SOUTH INDIAN EDUCATION SOCIETY, NAVI MUMBAI	70,771.00
982 SREE BALAJI MEDICAL COLLEGE & HOSPITAL , CHENNAI	54,775.00
983 SREE CHITRA TIRUNAL INSTITUTE FOR MEDICAL SCIENCES & TECHNOLOGY, TRIVANDRUM (G)	37,86,899.00
984 SREE NARAYANA COLLEGE, KOLLAM	3,35,880.00
985 S R ENGINEERING COLLEGE, WARANGAL	1,34,014.00
986 SRIC, INDIAN INSTITUTE OF TECHNOLOGY, BHUBANESWAR (G)	6,06,000.00
987 SRIC, INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE (G)	4,70,000.00
988 SRI GURU GRANTH SAHIB WORLD UNIVERSITY , FATEHGARH SAHIB, CHANDIGARH (G)	5,70,000.00
989 SRI JAGADGURU CHANDRASHEKARANATHA SWAMIJI INSTITUTE OF TECHNOLOGY , CHICKBALLAPUR	1,18,162.00
990 SRI JAYACHAMARAJENDRA COLLEGE OF ENGINEERING, MYSORE (G)	4,23,638.00
991 SRI KRISHNADEVAYRA UNIVERSITY, ANANTPUR (G)	1,75,000.00

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc. Grants in Aid (General)

Annexure - 4A

PARTICULARS	Current Year
992 SRINIVAS SCHOOL OF ENGINEERING , MANGALORE (G)	3,50,000.00
993 SRI PADMAVATI WOMEN UNIVERSITY, TIRUPATI	5,81,970.00
994 SRIPAT SINGH COLLEGE , MURSHIDABAD	75,000.00
995 SRI RAMACHANDRA UNIVERSITY, CHENNAI (G)	39,74,216.00
996 SRI RAM INSTITUTE OF INDUSTRIAL RESEARCH, NEW DELHI	1,00,000.00
997 SRI RAM KRISHNA SVYAM SEVI SEVA SANSTHAN, KUSHINAGAR	60,000.00
998 SRI SAIRAM ENGINEERING COLLEGE , CHENNAI	89,881.00
999 SRI SATHYA SAI INSTITUTE OF HIGHER LEARNING , ANANTPUR (G)	5,00,000.00
1000 SRI SHAKTHI INSTITUTE OF ENGINEERING & TECHNOLOGY , COIMBATORE (G)	3,30,000.00
1001 SRI VENKATESWARA COLLEGE, NEW DELHI (G)	1,89,612.00
1002 SRI VENKATESWARA COLLEGE OF ENGINEERING, SRIPERUMBUDUR (G)	30,000.00
1003 SRI VENKATESWARA UNIVERSITY, TIRUPATI (G)	70,30,302.00
1004 SRM UNIVERSITY, KATTANKULATHUR (G)	32,33,220.00
1005 S.S. JAIN SUBODH P.G. COLLEGE , JAIPUR	60,000.00
1006 SSN COLLEGE OF ENGINEERING, CHENNAI (G)	12,47,459.00
1007 ST.ALOYSIUS COLLEGE , MANGALORE (G)	7,50,000.00
1008 ST.ANDREWS COLLEGE, GORAKHPUR (G)	4,74,493.00
1009 STANI MEMORIAL P G COLLEGE , JAIPUR	53,206.00
1010 STAR LION COLLEGE OF ENGINEERING & TECHNOLOGY , THANJAVUR (G)	2,00,000.00
1011 STATE COUNCIL FOR SCIENCE TECHNOLOGY & ENVIRONMENT, SHIMLA	8,00,000.00
1012 ST.EDMUND'S COLLEGE , SHILLONG (G)	4,00,000.00
1013 S & T EDUCATORS FORUM, NEW DELHI	40,000.00
1014 STELLA MARIS COLLEGE, CHENNAI	90,000.00
1015 ST.JOHN'S COLLEGE , AGRA(G)	6,00,707.00
1016 ST. JOHN'S NATIONAL ACADEMY OF HEALTH SCIENCES, BANGALORE	4,50,000.00
1017 ST. JOSEPH'S COLLEGE, CALICUT	7,01,344.00
1018 ST. JOSEPH'S COLLEGE OF ENGINEERING , CHENNAI	2,30,153.00
1019 ST.JOSEPH COLLEGE, BANGALORE (G)	7,35,112.00
1020 ST. JUDE'S COLLEGE , THOOTHOR (G)	2,50,000.00
1021 St.PETER'S INSTITUTE OF PHARMACEUTICAL SCIENCES , WARANGAL	85,197.00

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc. Grants in Aid (General)

Annexure - 4A

PARTICULARS	Current Year
1022 ST. STEPHENS HOSPITAL, NEW DELHI	1,08,503.00
1023 ST. TERESA'S COLLEGE , ERNAKULAM (G)	5,80,000.00
1024 ST. THOMAS COLLEGE PALA, KOTTAYAM (G)	3,75,000.00
1025 ST. XAVIER'S COLLEGE FOR WOMEN , ALUVA, KERALA	72,097.00
1026 ST. XAVIER'S COLLEGE, KOLKATA (G)	12,62,249.00
1027 ST.XAVIERS CATHOLIC COLLEGE OF ENGINEERING, CHUNKANKADAI, KANYAKUMARI (G)	1,00,000.00
1028 ST. XAVIERS COLLEGE, PALAYAMKOTTAI, TAMIL NADU (G)	4,82,882.00
1029 SUDHAKARRAO NAIK INSTITUTE OF PHARMACY , PUSAD	1,50,279.00
1030 SUGANTHI DEVADASON MARINE RESEARCH INSTITUTE , TUTICORIN (G)	5,43,832.00
1031 SUGARCANE BREEDING INSTITUTE, COIMBATORE (G)	10,04,784.00
1032 SUN RISE EDUCATION AND WELFARE SOCIETY , DELHI	40,000.00
1033 SURYA , JHANSI	60,000.00
1034 SVERI'S COLLEGE OF ENGINEERING , PANDHARPUR (G)	1,93,202.00
1035 SVGM GOVT. DEGREE COLLEGE, KALYANDURG, AP	75,000.00
1036 SVKM DR. BHANUBEN NANAVATI COLLEGE OF PHARMACY , MUMBAI	2,10,900.00
1037 SVKMS NMIMS UNIVERSITY, MUMBAI	2,80,466.00
1038 S.V.NATIONAL INSTITUTE OF TECHNOLOGY , SURAT	87,882.00
1039 S V U COLLEGE OF CM & CS, SV UNIVERSITY, TIRUPATI	1,00,000.00
1040 SWADESHI SCIENCE MOVEMENT , KOCHI	1,00,000.00
1041 SWADESHI SCIENCE MOVEMENT OF BHARAT , BANGALORE	75,000.00
1042 SWADESHI SCIENCE MOVEMENT OF INDIA , DELHI	50,000.00
1043 SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY, NANDED (G)	12,03,940.00
1044 SWAMI SHRADDHANAND COLLEGE(UNIVERSITY OF DELHI) , DELHI	1,51,971.00
1045 SWAMY VIVEKANANDHA COLLEGE OF PHARMACY , ELAYAMPALAYAM	1,00,000.00
1046 SWARNANDHRA COLLEGE OF ENGINEERING AND TECHNOLOGY , NARSAPUR	1,00,000.00
1047 TAMIL NADU AGRICULTURAL UNIVERSITY, COIMBATORE (G)	93,58,064.00
1048 TAMIL NADU AGRICULTURAL UNIVERSITY , THANJAVUR	47,420.00
1049 TAMIL NADU VETERINARY AND ANIMAL SCIENCES UNIVERSITY , CHENNAI (G)	4,00,000.00
1050 TATA INSTITUTE OF FUNDAMENTAL RESEARCH , BANGALORE	4,75,752.00



Science and Engineering Research Board

Expenditure on Grants, Subsidies etc. Grants in Aid (General)

Annexure - 4A

PARTICULARS	Current Year
1051 TATA INSTITUTE OF FUNDAMENTAL RESEARCH, MUMBAI	2,14,21,218.00
1052 TATA MEMORIAL CENTRE, NAVI MUMBAI (G)	6,14,789.00
1053 TATA MEMORIAL HOSPITAL, MUMBAI	79,296.00
1054 TDPG COLLEGE, JAUNPUR	20,333.00
1055 TECHNOLOGY SOCIETY OF BASIC AND APPLIED SCIENCES, GORAKHPUR	75,000.00
1056 TERI UNIVERSITY, DELHI	2,66,000.00
1057 TEZPUR UNIVERSITY, TEZPUR, ASSAM (G)	43,75,900.00
1058 THAPAR UNIVERSITY, PATIALA (G)	46,73,221.00
1059 THE ACADEMY OF ENVIRONMENTAL BIOLOGY , LUCKNOW	50,000.00
1060 THE AERONAUTICAL SOCIETY OF INDIA, BANGALORE	1,19,402.00
1061 THE AMERICAN COLLEGE , MADURAI	40,000.00
1062 THE ASSOCIATION OF MATHEMATICS TEACHERS OF INDIA, CHENNAI	80,000.00
1063 THE ENERGY AND RESOURCES INSTITUTE, BANGALORE (G)	5,50,000.00
1064 THE ENERGY & RESOURCES INSTITUTE, NEW DELHI (G)	18,34,488.00
1065 THE INSTITUTION OF ENGINEERS(INDIA) , ROORKEE	1,25,000.00
1066 THE MADURA COLLEGE (AUTONOMOUS), MADURAI (G)	4,25,000.00
1067 THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA , VADODARA (G)	63,62,450.00
1068 THE MAHARASHTRA ASSOCIATION FOR THE CULTIVATION OF SCIENCE , PUNE	6,00,000.00
1069 THE MOUNTAIN INSTITUTE INDIA, GANGTOK (G)	8,00,000.00
1070 THE ORCHID SOCIETY OF INDIA(TOSI) , CHANDIGARH	1,25,000.00
1071 THE SAMRAKSHAN CHARITABLE TRUST , NEW DELHI (G)	7,00,000.00
1072 THE SOCIETY FOR ADVANCEMENT OF ELECTROCHEMICAL SCIENCE AND TECHNOLOGY (SAEST) , KARAIKUDI	1,00,000.00
1073 THE SOCIETY OF PLANT REPRODUCTIVE BIOLOGISTS, AGRA	1,50,000.00
1074 THIAGARAJAR COLLEGE , MADURAI (G)	4,61,958.00
1075 THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI (G)	10,89,271.00
1076 THIRUVALLUVAR UNIVERSITY, VELLORE (G)	12,81,000.00
1077 TKR COLLEGE OF ENGINEERING & TECHNOLOGY , HYDERABAD (G)	2,50,000.00
1078 T.M. BHAGALPUR UNIVERSITY, BHAGALPUR	60,000.00
1079 TRANSLATIONAL HEALTH SCIENCE AND TECHNOLOGY INSTITUTE, GURGAON (G)	50,000.00

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc. Grants in Aid (General)

Annexure - 4A

PARTICULARS	Current Year
1080 TRIBOLOGY SOCIETY OF INDIA, FARIDABAD	3,75,000.00
1081 TRIPURA UNIVERSITY, SURYAMANINAGAR (G)	19,00,000.00
1082 TROPICAL FOREST RESEARCH INSTITTUE , JABALPUR	1,02,735.00
1083 TUMKUR UNIVERSITY, TUMKUR (G)	10,24,000.00
1084 UDAI PRATAP AUTONOMOUS COLLEGE, VARANASI	26,510.00
1085 UGC-DAE CONSORTIUM FOR SCIENTIFIC RESEARCH, INDORE	7,72,919.00
1086 ULTRASONICS SOCIETY OF INDIA , NEW DELHI	1,50,000.00
1087 UM-DAE CBS CENTRE FOR EXCELLENCE IN BASIC SCIENCE, MUMBAI (G)	6,47,800.00
1088 UNION CHRISTIAN COLLEGE , ALUVA (G)	6,90,898.00
1089 UNIVERSITY COLLEGE OF MEDICAL SCIENCE, NEW DELHI (G)	15,80,862.00
1090 UNIVERSITY COLLEGE OF MEDICAL SCIENCES & GTB HOSPITAL , DELHI	1,50,000.00
1091 UNIVERSITY COLLEGE OF PHARMACEUTICAL SCIENCES, KAKATIYA UNIVERSITY , WARANGAL	48,841.00
1092 UNIVERSITY COLLEGE OF SCIENCE AND TECHNOLOGY, UNIVERSITY OF CALCUTTA (G)	3,34,000.00
1093 UNIVERSITY COLLEGE OF SCIENCE, UNIVERSITY OF CALCUTTA	4,00,000.00
1094 UNIVERSITY INSTITUTE OF ENGINEERING & TECHNOLOGY, M.D. UNIVERSITY ROHTAK	92,331.00
1095 UNIVERSITY OF AGRICULTURAL SCIENCES, DHARWAD	6,04,557.00
1096 UNIVERSITY OF AGRICULTURAL SCIENCES, GKVK , BANGALORE (G)	55,46,855.00
1097 UNIVERSITY OF ALLAHABAD, ALLAHABAD (G)	28,45,990.00
1098 UNIVERSITY OF BURDWAN, BURDWAN (G)	47,90,800.00
1099 UNIVERSITY OF CALCUTTA, KOLKATA (G)	1,55,35,037.00
1100 UNIVERSITY OF CALICUT, CALICUT (G)	8,86,522.00
1101 UNIVERSITY OF DELHI	11,53,516.00
1102 UNIVERSITY OF DELHI, NORTH CAMPUS (G)	1,97,04,500.00
1103 UNIVERSITY OF DELHI, SOUTH CAMPUS (G)	1,21,38,954.00
1104 UNIVERSITY OF HORTICULTURAL SCIENCES , BAGALKOT (G)	5,52,435.00
1105 UNIVERSITY OF HYDERABAD (G)	2,79,54,079.00
1106 UNIVERSITY OF JAMMU	6,08,760.00
1107 UNIVERSITY OF KALYANI, KALYANI, NADIA	29,67,640.00

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc. Grants in Aid (General)

Annexure - 4A

PARTICULARS	Current Year
1108 UNIVERSITY OF KASHMIR, SRINAGAR (G)	57,79,076.00
1109 UNIVERSITY OF KERALA, THIRUVANANTHAPURAM (G)	6,24,589.00
1110 UNIVERSITY OF LUCKNOW (G)	23,26,345.00
1111 UNIVERSITY OF MADRAS , CHENNAI (G)	1,10,72,886.00
1112 UNIVERSITY OF MUMBAI , MUMBAI (G)	4,97,142.00
1113 UNIVERSITY OF MYSORE, MYSORE (G)	45,36,918.00
1114 UNIVERSITY OF NORTH BENGAL, DARJEELING (G)	48,30,000.00
1115 UNIVERSITY OF PETROLEUM & ENERGY STUDIES , DEHRADUN	3,60,772.00
1116 UNIVERSITY OF PUNE (G)	91,35,814.00
1117 UNIVERSITY OF RAJASTHAN, JAIPUR (G)	5,50,000.00
1118 U.P.COUNCIL OF SUGARCANE RESEARCH , SHAHJAHANPUR	1,08,584.00
1119 UTKAL UNIVERSITY , BHUBANESWAR	6,62,395.00
1120 UTTARAKHAND STATE COUNCIL FOR SCIENCE & TECHNOLOGY, DEHRADUN	1,25,000.00
1121 UTTAR BANGA KRISHI VISHWAVIDYALAYA , PUNDIBARI (G)	5,57,000.00
1122 VAAGDEVI COLLEGE OF PHARMACY , WARRANGAL	4,85,032.00
1123 VAISHNAVI SOCIAL WELFARE SOCIETY, GWALIOR	50,000.00
1124 VALLABHBHAI PATEL CHEST INSTITUTE, DELHI UNIVERSITY	31,11,455.00
1125 VARADHA REDDY COLLEGE OF ENGG. , WARANGAL	75,000.00
1126 VARIABLE ENERGY CYCLOTRON CENTRE, KOLKATA	36,24,936.00
1127 VASANTRAO NAIK MAHAVIDYALAYA , AURANGABAD (G)	5,68,000.00
1128 VASAVI MEDICAL & RESEARCH CENTRE , HYDERABAD	5,54,482.00
1129 V. B. S. PURVANCHAL UNIVERSITY, JAUNPUR	2,99,256.00
1130 VECTOR CONTROL CENTRE(ICMR) MEDICAL COMPLEX, PUDUCHERRY (G)	1,00,000.00
1131 VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT	39,897.00
1132 VELAMMAL ENGINEERING COLLEGE , CHENNAI	5,022.00
1133 VELLORE INSTITUTE OF TECHNOLOGY UNIVERSITY, VELLORE (G)	1,04,10,424.00
1134 VELS UNIVERSITY , CHENNAI (G)	5,80,701.00
1135 VEL TECH DR. RR AND DR. SR TECHNICAL UNIVERISTY , CHENNAI (G)	7,02,000.00
1136 VEL TECH MULTI TECH DR.RANGARAJAN DR. SAKUNTHALA ENGINEERING COLLEGE , CHENNAI (G)	4,32,186.00
1137 VERDHMAN MAHAVEER OPEN UNIVERSITY , KOTA	4,00,000.00
1138 VIDYABHARATI MAHAVIDYALAYA , AMRAVATI	67,996.00

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc. Grants in Aid (General)

Annexure - 4A

PARTICULARS	Current Year
1139 VIDYABHARATI TRUST INSTITUTE OF TECHNOLOGY & RESEARCH CENTRE, UMRAXH , SURAT	77,658.00
1140 VIDYASAGAR UNIVERSITY, MIDNAPORE (G)	12,65,000.00
1141 VIGNANABHARATHI INSTITUTE OF TECHNOLOGY , HYDERABAD	1,72,540.00
1142 VIGNAN UNIVERSITY , GUNTUR	9,85,000.00
1143 VIKRAMA SIMHAPURI UNIVERSITY, NELLORE	3,08,210.00
1144 VIKRAM SARABHAI SPACE CENTRE , TRIVANDRUM	23,091.00
1145 VINAYAKRAO PATIL MAHAVIDYALAYA, AURANGABAD	7,00,000.00
1146 VINOBA BHAVE UNIVERSITY , HAZARIBAGH (G)	11,31,000.00
1147 VISHNU INSTITUTE OF PHARMACEUTICAL EDUCATION & RESEARCH, NARSAPUR (G)	1,94,717.00
1148 VISHWAKARMA INSTITUTE OF TECHNOLOGY , PUNE (G)	4,48,836.00
1149 VISION RESEARCH FOUNDATION, CHENNAI (G)	28,00,000.00
1150 VISION RESEARCH FOUNDATION SANKARA NETHRALAYA	8,00,000.00
1151 VISVABHARATI UNIVERSITY, SANTINIKETAN (G)	40,45,974.00
1152 VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR (G)	5,52,279.00
1153 VITTAL MALLYA SCIENTIFIC RESEARCH FOUNDATION, BANGALORE	1,22,854.00
1154 VITTHALBHAI PATEL & RAJRATNA P. T. PATEL SCIENCE COLLEGE , VALLABHVIDYANAGAR	75,000.00
1155 VIVEKANADA PARVATIYA KRISHI ANUSANDHAN SANSTHAN , ALMORA	75,572.00
1156 VIVEKANANDA INSTITUTE OF TECHNOLOGY , JAIPUR	50,000.00
1157 V.O.CHIDAMBARAM COLLEGE, TUTICORIN	3,66,450.00
1158 V.P. & R. P. T. P. SCIENCE COLLEGE , ANAND	2,00,000.00
1159 V.R.SIDDHARTHA ENGINEERING COLLEGE, VIJAYWADA	75,000.00
1160 V.V.VANNIAPERUMAL COLLEGE FOR WOMEN , VIRUDHUNAGAR	1,00,000.00
1161 WADIA INSTITUTE OF HIMALAYAN GEOLOGY, DEHRADUN	45,40,758.00
1162 WALCHAND COLLEGE OF ENGINEERING , MAHARASHTRA	4,84,410.00
1163 WALCHAND INSTITUTE OF TECHNOLOGY , SOLAPUR	50,000.00
1164 WATER & STREAM CHEMISTRY DIVISION, BARC FACILITIES, KALPAKKAM	2,78,228.00
1165 WEST BENGAL STATE UNIVERSITY, KOLKATA (G)	14,98,135.00
1166 WEST BENGAL UNIVERSITY OF ANIMAL & FISHERY SCIENCE, KOLKATA	3,00,000.00
1167 WEST BENGAL UNIVERSITY OF TECHNOLOGY, KOLKATA (G)	7,43,000.00

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc. Grants in Aid (General)

Annexure - 4A

PARTICULARS	Current Year
1168 WILDLIFE INSTITUTE OF INDIA, DEHRADUN (G)	32,42,397.00
1169 WILDLIFE RESEARCH AND CONSERVATION SOCIETY , PUNE (G)	5,00,000.00
1170 WILSON COLLEGE , MUMBAI	1,60,250.00
1171 WOMEN'S POLYTECHNIC , HAPANIA	1,13,670.00
1172 YADAVA COLLEGE , MADURAI	40,620.00
1173 Y.B.CHAVAN COLLEGE OF PHARMACY , AURANGABAD (G)	50,000.00
1174 YENEPLOYA UNIVERSITY , MANGALORE	86,888.00
1175 YESHWANT MAHAVIDYALAYA, NANDED (G)	4,80,000.00
1176 YOGESHWARI MAHAVIDYALAYA , BEED	1,50,000.00
1177 YOGI VEMANA UNIVERSITY, KADAPA (G)	65,97,000.00
1178 YUVARAJAS COLLEGE, MYSORE	2,50,000.00
1179 ZONAL EDUCATION OFFICER , BHADARWAH	73,846.00
1180 ZOOLOGICAL SURVEY OF INDIA, KOLKATA (G)	50,000.00
1181 ZOOLOGICAL SURVEY OF INDIA, NORTHERN REGIONAL CENTRE, DEHRADUN (G)	7,50,000.00
TOTAL	2,037,715,258.00

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc. Grants in Aid (Scheduled Castes-Capital)

Annexure - 5A

PARTICULARS	Current Year
1 ANNAMALAI UNIVERSITY,ANNAMALAINAGAR (SC-CAP)	9,05,000.00
2 BHARATHIAR UNIVERSITY , COIMBATORE (SC_CAP)	3,00,000.00
3 BHARATHIDASAN UNIVERSITY, TIRUCHIRAPPALLI (SC-CAP)	9,00,000.00
4 CENTRAL UNIVERSITY OF BIHAR , PATNA (SC_CAP)	4,00,000.00
5 GAUTAM BUDDHA UNIVERSITY, GREATER NOIDA (SC-CAP)	6,75,000.00
6 INDIAN AGRICULTURAL RESEARCH INSTITUTE , NEW DELHI (SC-CAP)	19,80,000.00
7 INDIAN INSTITUTE OF TECHNOLOGY, GUWAHATI (SC-CAP)	12,00,000.00
8 INSTITUTE OF WOOD SCIENCE & TECHNOLOGY, BANGALORE (SC_CAP)	1,50,000.00
9 JAWAHARLAL NEHRU TROPICAL BOTANIC GARDEN AND RESEARCH INSTITUTE, THIRUVANANTHAPURAM (SC-CAP)	80,000.00
10 KAKATIYA UNIVERSITY , WARANGAL (SC-CAP)	19,50,000.00
11 MAHARANI'S SCIENCE COLLEGE FOR WOMEN , BANGALORE (SC_CAP)	7,70,000.00
12 M.V.P.SAMAJ'S COLLEGE OF PHARMACY , NASHIK (SC-CAP)	10,00,000.00
13 NATIONAL INSTITUTE FOR INTERDISCIPLINARY SCIENCE & TECHNOLOGY, THIRUVANANTHAPURAM (SC-CAP)	2,80,000.00
14 PONDICHERRY UNIVERSITY, PONDICHERRY (SC-CAP)	10,00,000.00
15 PUNJAB UNIVERSITY , CHANDIGARH (SC-CAP)	6,80,000.00
16 SCHOOL OF PHARMACY, CHOUKSEY ENGINEERING COLLEGE , BILASPUR (SC-CAP)	3,70,000.00
17 SRI VENKATESWARA UNIVERSITY, TIRUPATI (SC-CAP)	2,90,000.00
18 TULJARAM CHATURCHAND COLLEGE, BHARAMATI, PUNE (SC_CAP)	6,50,000.00
19 UNIVERSITY OF MYSORE, MYSORE (SC_CAP)	14,00,000.00
20 Y. B. CHAVAN COLLEGE OF PHARMACY , AURANGABAD (SC-CAP)	9,80,000.00
21 ZOOLOGICAL SURVEY OF INDIA , PORT BLAIR (SC-CAP)	5,30,000.00
TOTAL	1,64,90,000.00

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc. Grants in Aid (Scheduled Castes-General)

Annexure - 6A

PARTICULARS	Current Year
1 ANNAMALAI UNIVERSITY,ANNAMALAINAGAR (SC-GEN)	8,95,000.00
2 BHARATHIAR UNIVERSITY , COIMBATORE (SC_GEN)	6,00,000.00
3 BHARATHIDASAN UNIVERSITY, TIRUCHIRAPPALLI (SC-GEN)	4,00,000.00
4 CENTRAL UNIVERSITY OF BIHAR , PATNA (SC_GEN)	5,00,000.00
5 GAUTAM BUDDHA UNIVERSITY, GREATER NOIDA (SC-GEN)	4,25,000.00
6 INDIAN AGRICULTURAL RESEARCH INSTITUTE , NEW DELHI (SC-GEN)	8,20,000.00
7 INDIAN INSTITUTE OF TECHNOLOGY, GUWAHATI (SC-GEN)	3,00,000.00
8 INSTITUTTE OF WOOD SCIENCE & TECHNOLOGY, BANGALORE (SC_GEN)	5,50,000.00
9 INTERNATIONAL ADVANCED RESEARCH CENTRE FOR POWDER METALLURGY & NEW MATERIALS(ARCI) , HYDERABAD (SC-GEN)	12,50,000.00
10 JAWAHARLAL NEHRU TROPICAL BOTANIC GARDEN AND RESEARCH INSTITUTE, HIRUVANANTHAPURAM (SC-GEN)	6,20,000.00
11 KAKATIYA UNIVERSITY , WARANGAL (SC-GEN)	7,00,000.00
12 LOYOLA COLLEGE, CHENNAI (SC_GEN)	6,00,000.00
13 MADURAI KAMARAJ UNIVERSITY , MADURAI'(SC-GEN)	5,00,000.00
14 MAHARANI'S SCIENCE COLLEGE FOR WOMEN , BANGALORE (SC_GEN)	4,30,000.00
15 M.V.P.SAMAJ'S COLLEGE OF PHARMACY , NASHIK (SC-GEN)	4,00,000.00
16 NATIONAL BOTANICAL RESEARCH INSTITUTE, LUCKNOW (SC-GEN)	8,00,000.00
17 NATIONAL INSTITUTE FOR INTERDISCIPLINARY SCIENCE & TECHNOLOGY, THIRUVANANTHAPURAM (SC-GEN)	4,20,000.00
18 PONDICHERRY UNIVERSITY, PUDUCHERRY (SC-GEN)	5,00,000.00
19 PUNJAB UNIVERSITY , CHANDIGARH (SC-GEN)	5,20,000.00
20 SCHOOL OF PHARMACY, CHOUKSEY ENGINEERING COLLEGE , BILASPUR (SC-GEN)	1,30,000.00
21 SRI VENKATESWARA UNIVERSITY, TIRUPATI (SC-GEN)	6,10,000.00
22 TULJARAM CHATURCHAND COLLEGE, BHARAMATI, PUNE (SC_GEN)	4,00,000.00
23 UNIVERSITY OF MYSORE, MYSORE (SC_GEN)	2,00,000.00
24 Y. B. CHAVAN COLLEGE OF PHARMACY , AURANGABAD (SC-GEN)	3,20,000.00
25 ZOOLOGICAL SURVEY OF INDIA , PORT BLAIR (SC-GEN)	3,70,000.00
TOTAL	13,260,000.00

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc. Grants in Aid (ScheduledTribe-Capital)

Annexure - 7

PARTICULARS	Current Year
1 ANNAMALAI UNIVERSITY , ANNAMALAINAGAR (ST_CAP)	2,80,000.00
2 ASSAM AGRICULTURAL UNIVERSITY , JORHAT (ST_CAP)	65,000.00
3 BANARAS HINDU UNIVERSITY , VARANASI (ST-CAP)	11,00,000.00
4 CENTRAL UNIVERSITY OF KERALA , KASARAGOD (ST_CAP)	9,50,000.00
5 INDIAN INSTITUTE OF SCIENCE, BANGALORE (ST-CAP)	10,00,000.00
6 INSTITUTE OF GENOMICS & INTEGRATIVE BIOLOGY, NEW DELHI (ST-CAP)	4,50,000.00
7 MIZORAM UNIVERSITY, AIZAWL (ST_CAP)	11,00,000.00
8 NATIONAL INSITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL (ST_CAP)	24,99,000.00
9 WEST BENGAL STATE UNIVERSITY, KOLKATA (ST_CAP)	9,40,000.00
TOTAL	83,84,000.00

Science and Engineering Research Board

(A statutory body under Department of Science and Technology, Government of India)

Expenditure on Grants , Subsidies etc. Grants in Aid (ScheduledTribe-General)

Annexure - 8

PARTICULARS	Current Year
1 ANNAMALAI UNIVERSITY , ANNAMALAINAGAR (ST_GEN)	3,20,000.00
2 ASSAM AGRICULTURAL UNIVERSITY , JORHAT (ST_GEN)	6,85,000.00
3 BANARAS HINDU UNIVERSITY , VARANASI (ST-GEN)	3,00,000.00
4 CENTRAL UNIVERSITY OF KERALA , KASARAGOD (ST_GEN)	4,00,000.00
5 INDIAN INSTITUTE OF SCIENCE, BANGALORE (ST-GEN)	18,00,000.00
6 INSTITUTE OF GENOMICS & INTEGRATIVE BIOLOGY, NEW DELHI (ST-GEN)	4,50,000.00
7 MIZORAM UNIVERSITY, AIZAWL (ST_GEN)	3,00,000.00
8 NATIONAL INSITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL (ST_GEN)	7,01,000.00
9 WEST BENGAL STATE UNIVERSITY, KOLKATA (ST_GEN)	4,60,000.00
TOTAL	54,16,000.00



Science and Engineering Research Board

Expenditure on Grants, Subsidies etc. Grants in Aid (MFPI CAPITAL)

Annexure - 9

PARTICULARS	Current Year
1 AGRICULTURAL ENGINEERING COLLEGE & RESEARCH INSTITUTE, TAMILNADU AGRICULTURAL UNIVERSITY, COIMBATORE (MC)	14,00,000.00
2 CENTRAL FOOD TECHNOLOGICAL RESEARCH INSTITUTE, MYSORE (MC)	61,39,000.00
3 CENTRAL FOR TECHNOLOGY DEVELOPMENT AND TRANSFER, ANNA UNIVERSITY, CHENNAI (MC)	10,00,000.00
4 GAUHATI UNIVERSITY, GUWAHATI (MC)	16,65,000.00
5 GITAM INSTITUTE OF TECHNOLOGY, GITAM UNIVERSITY, VISAKHAPATNAM (MC)	7,50,000.00
6 GITAM UNIVERSITY, VISAKHAPATNAM (MC)	8,50,000.00
7 INDIAN INSTITUTE OF CHEMICAL TECHNOLOGY, HYDERABAD (MC)	13,00,000.00
8 INDIAN INSTITUTE OF CROP PROCESSING TECHNOLOGY, THANJAVUR (MC)	3,38,800.00
9 INDIAN INSTITUTE OF TECHNOLOGY, CHENNAI (MC)	20,98,500.00
10 INDIAN INSTITUTE OF TECHNOLOGY, GUWAHATI (MC)	26,17,000.00
11 INSTITUTE OF CHEMICAL TECHNOLOGY, MUMBAI (MC)	25,00,000.00
12 KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE (MC)	4,00,000.00
13 NATIONAL INSTITUTE OF TECHNOLOGY, RAIPUR (MC)	6,03,400.00
14 NATIONAL INSTITUTE OF TECHNOLOGY SURATHKAL, MANGALORE (MC)	32,83,000.00
15 SARDAR PATEL UNIVERSITY, VALLABH VIDYANAGAR (MC)	10,28,800.00
16 TAMILNADU VETERINARY AND ANIMAL SCIENCE UNIVERSITY, CHENNAI (MC)	18,80,000.00
17 TEZPUR UNIVERSITY, NAPAAM (MC)	14,37,000.00
TOTAL	2,92,90,500.00

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc. Grants in Aid (MFPI-General)

Annexure - 10

PARTICULARS	Current Year
1 AGRICULTURAL ENGINEERING COLLEGE & RESEARCH INSTITUTE, TAMILNADU AGRICULTURAL UNIVERSITY, COIMBATORE (MG)	8,36,000.00
2 CENTRAL FOOD TECHNOLOGICAL RESEARCH INSTITUTE, MYSORE (MG)	20,45,400.00
3 CENTRAL FOR TECHNOLOGY DEVELOPMENT AND TRANSFER, ANNA UNIVERSITY, CHENNAI (MG)	4,39,600.00
4 GAUHATI UNIVERSITY, GUWAHATI (MG)	8,14,000.00
5 INDIAN ACADEMY OF SCIENCES, BANGALORE (MG)	7,00,000.00
6 INDIAN INSTITUTE OF CHEMICAL TECHNOLOGY, HYDERABAD (MG)	10,17,000.00
7 INDIAN INSTITUTE OF CROP PROCESSING TECHNOLOGY, THANJAVUR (MG)	3,30,000.00
8 INDIAN INSTITUTE OF TECHNOLOGY, CHENNAI (MG)	7,50,275.00
9 INDIAN INSTITUTE OF TECHNOLOGY, GUWAHATI (MG)	1,90,000.00
10 INSTITUTE OF CHEMICAL TECHNOLOGY, MUMBAI (MG)	11,60,600.00
11 NATIONAL CHEMICAL LABORATORY, PUNE (MG)	3,01,288.00
12 NATIONAL INSTITUTE OF TECHNOLOGY, RAIPUR (MG)	2,84,000.00
13 NATIONAL INSTITUTE OF TECHNOLOGY SURATHKAL, MANGALORE (MG)	6,98,400.00
14 SARDAR PATEL UNIVERSITY, VALLABH VIDYANAGAR (MG)	3,42,000.00
15 TAMILNADU AGRICULTURAL UNIVERSITY, COIMBATORE (MG)	4,45,800.00
16 TAMILNADU VETERINARY AND ANIMAL SCIENCE UNIVERSITY, CHENNAI (MG)	6,32,800.00
17 TEZPUR UNIVERSITY, NAPAAM (MG)	3,22,000.00
TOTAL	11,309,163.00

Science and Engineering Research Board

(A statutory body under Department of Science and Technology, Government of India)

Amount in Rs.

Refund from projects (with in the same Financial Year)
Grants in Aid (Capital Assets)

Annexure - 11

PARTICULARS	Current Year
1 ASHOKA TRUST FOR RESEARCH IN ECOLOGY AND THE ENVIRONMENT , BANGALORE (C)	250,000.00
2 ASSAM UNIVERSITY, SILCHAR (C)	1,700,000.00
3 CENTRAL FOOD TECHNOLOGICAL RESEARCH INSTITUTE, MYSORE (C)	525,000.00
4 CENTRAL SERICULTURAL RESEARCH & TRAINING INSTITUTE , BERHAMPORE (C)	1,100,000.00
5 CHAROTAR UNIVERSITY OF SCIENCE & TECHNOLOGY , ANAND (C)	600,000.00
6 CHRISTIAN MEDICAL COLLEGE, VELLORE (C)	400,000.00
7 INDIAN INSTITUTE OF TOXICOLOGY RESEARCH , LUCKNOW (C)	152,000.00
8 INDIAN STATISTICAL INSTITUTE, KOLKATA (C)	230,000.00
9 MANIPAL COLLEGE OF ALLIED HEALTH SCIENCES, MANIPAL (C)	1,973,000.00
10 NATIONAL BOTANICAL RESEARCH INSTITUTE, LUCKNOW (C)	300,000.00
11 NOORUL ISLAM CENTER FOR HIGHER EDUCATION, KANYAKUMARI (C)	600,000.00
12 OSMANIA UNIVERSITY, HYDERABAD (C)	1,600,000.00
13 PADMASHREE DR.D.Y.PATIL UNIVERSITY, NAVI MUMBAI (C)	400,000.00
14 SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI (C)	1,000,000.00
15 SARDAR VALLABHBHAI NATIONAL INSTITUTE OF TECHNOLOGY, SURAT (C)	150,000.00
16 YOGI VEMANA UNIVERSITY, KADAPA (C)	1,193,000.00
TOTAL	12,173,000.00

Refund from projects (with in the same Financial Year)
Grants in Aid (General)

Annexure - 12

PARTICULARS	Current Year
1 ADITYA BIOTECH LAB & RESEARCH PVT.LTD , RAIPUR (G)	45,710.00
2 ALL INDIA INSTITUTE OF MEDICAL SCIENCES , NEW DELHI (G)	130,000.00
3 ANNAMALAI UNIVERSITY,ANNAMALAINAGAR (G)	50,000.00
4 ASHOKA TRUST FOR RESEARCH IN ECOLOGY AND THE ENVIRONMENT , BANGALORE (G)	359,733.00
5 ASSAM UNIVERSITY, SILCHAR (G)	400,000.00
6 BIRLA INSTITUTE OF TECHNOLOGY AND SCIENCE- PILANI, GOA (G)	57,109.00
7 BIRLA INSTITUTE OF TECHNOLOGY , PATNA	38,926.00
8 CENTRAL FOOD TECHNOLOGICAL RESEARCH INSTITUTE, MYSORE (G)	275,000.00
9 CENTRAL SERICULTURAL RESEARCH & TRAINING INSTITUTE , BERHAMPORE (G)	400,000.00
10 CENTRE FOR DNA FINGERPRINTING AND DIAGNOSTICS, HYDERABAD (G)	490,109.00
11 CHAROTAR UNIVERSITY OF SCIENCE & TECHNOLOGY , ANAND (G)	588,000.00
12 CHRISTIAN MEDICAL COLLEGE, VELLORE (G)	500,000.00
13 DIBRUGARH UNIVERSITY, ASSAM (G)	20,207.00
14 GDM ARTS, KRN COMMERCE AND MD SCIENCE COLLEGE , JAMNER	81,348.00
15 GRAPHIC ERA UNIVERSITY, DEHRADUN (G)	400,000.00
16 INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE, KOLKATA (G)	572,622.00
17 INDIAN ASSOCIATION OF SOLID STATE CHEMISTS AND ALLIED SCIENTISTS , JAMMU	20,485.00
18 INDIAN INSTITUTE OF CHEMICAL TECHNOLOGY, HYDERABAD (G)	315,020.00
19 INDIAN INSTITUTE OF SCIENCE, BANGALORE (G)	368,782.00
20 INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, PUNE (G)	122,441.00
21 INDIAN INSTITUTE OF TECHNOLOGY, CHENNAI (G)	1,015.00
22 INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE (G)	41,000.00
23 INDIAN INSTITUTE OF TOXICOLOGY RESEARCH , LUCKNOW (G)	748,000.00
24 INDIAN NATIONAL SCIENCE ACADEMY, NEW DELHI	124,184.00
25 INDIAN STATISTICAL INSTITUTE, KOLKATA (G)	76,000.00
26 INSTITUTE OF MATHEMATICAL SCIENCES, CHENNAI (G)	23,384.00
27 INSTITUTE OF MICROBIAL TECHNOLOGY, CHANDIGARH (G)	1,460,000.00
28 INTERACTIVE RESEARCH SCHOOL FOR HEALTH AFFAIRS, BHARATI VIDYAPEETH UNIVERSITY, PUNE	380,088.00
29 INTERNATIONAL ADVANCED RESEARCH CENTRE FOR POWDER METALLURGY & NEW MATERIALS (I)	295,965.00
30 JADAVPUR UNIVERSITY, KOLKATA (G)	64,455.00

Science and Engineering Research Board

(A statutory body under Department of Science and Technology, Government of India)

Refund from projects (with in the same Financial Year)
Grants in Aid (General)

Annexure - 12

PARTICULARS	Current Year
31 JAWAHARLAL NEHRU CENTRE FOR ADVANCED SCIENTIFIC RESEARCH , BANGALORE (G)	237,992.00
32 KALASALINGAM UNIVERSITY, KRISHNANKOIL (G)	5,800.00
33 KURUKSHETRA UNIVERSITY, KURUKSHETRA (G)	240,313.00
34 MANIPAL COLLEGE OF ALLIED HEALTH SCIENCES, MANIPAL (G)	100,000.00
35 NATIONAL BOTANICAL RESEARCH INSTITUTE, LUCKNOW (G)	600,000.00
36 NATIONAL CHEMICAL LABORATORY, PUNE (G)	1,771,409.00
37 NATIONAL INSTITUTE OF TECHNOLOGY, DURGAPUR (G)	1,250,000.00
38 NOORUL ISLAM CENTER FOR HIGHER EDUCATION, KANYAKUMARI (G)	444,000.00
39 NORTH EASTERN HILL UNIVERSITY, SHILLONG (G)	60,737.00
40 OSMANIA UNIVERSITY, HYDERABAD (G)	600,000.00
41 PADMASHREE DR.D.Y.PATIL UNIVERSITY, NAVI MUMBAI (G)	700,000.00
42 PDPM IIT, DESIGN & MANUFACTURING , JABALPUR (G)	113,072.00
43 PUNJAB UNIVERSITY, CHANDIGARH (G)	92,929.00
44 SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI (G)	200,000.00
45 SARDAR VALLABHBHAI NATIONAL INSTITUTE OF TECHNOLOGY, SURAT (G)	450,000.00
46 SAURASHTRA UNIVERSITY, RAJKOT (G)	318,102.00
47 SNOW AND AVALANCHE STUDY ESTABLISHMENT(SASE), CHANDIGARH (G)	346,515.00
48 SRM UNIVERSITY, KATTANKULATHUR (G)	3,148.00
49 ST. JOSEPH'S COLLEGE, CALICUT	257,615.00
50 TATA MEMORIAL CENTRE, NAVI MUMBAI (G)	55,104.00
51 THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA , VADODARA (G)	50,050.00
52 UNIVERSITY OF ALLAHABAD, ALLAHABAD (G)	200,000.00
53 UNIVERSITY OF HYDERABAD (G)	341,823.00
54 UNIVERSITY OF KALYANI, NADIA	1,000,000.00
55 WALCHAND COLLEGE OF ENGINEERING ,MAHARASHTRA	200,000.00
56 YOGI VEMANA UNIVERSITY, KADAPA (G)	707,000.00
TOTAL	18,795,192.00

Refund from projects (with in the same Financial Year)
Grants in Aid (MFPI General)

Annexure - 13

PARTICULARS	Current Year
1 INDIAN INSTITUTE OF TECHNOLOGY, CHENNAI (MG)	₹400225.00
2 NATIONAL CHEMICAL LABORATORY, PUNE (MG)	₹298712.00
TOTAL	698,937.00

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc.

Grants in Aid (Capital Assets)

Annexure -3B

PARTICULARS	Previous Year
1 AGHARKAR RESEARCH INSTITUTE, PUNE (C)	8,14,000.00
2 ALAGAPPA UNIVERSITY, THONDI (C)	8,77,000.00
3 ALIGARH MUSLIM UNIVERSITY (C)	12,90,000.00
4 ALL INDIA INSTITUTE OF MEDICAL SCIENCES , NEW DELHI (C)	16,01,000.00
5 AMRITA INSTITUTE OF MEDICAL SCIENCES AND RESEARCH CENTRE, KOCHI (C)	5,33,000.00
6 AMRITA SCHOOL OF BIOTECHNOLOGY, AMRITA UNIVERSITY, AMRITAPURI, KOLLAM (C)	3,70,000.00
7 ANNAMALAI UNIVERSITY, ANNAMALAINAGAR (C)	19,90,000.00
8 ANNA UNIVERSITY, CHENNAI (C)	1,00,000.00
9 ANNA UNIVERSITY OF TECHNOLOGY, MADURAI (C)	5,70,000.00
10 ANNA UNIVERSITY OF TECHNOLOGY, TIRUCHIRAPPALI (C)	13,00,000.00
11 ASSAM UNIVERSITY, SILCHAR (C)	6,00,000.00
12 ATMA RAM SANATAN DHARM COLLEGE, DELHI (C)	4,89,508.00
13 BANARAS HINDU UNIVERSITY, VARANASI (C)	65,56,000.00
14 BANASTHALI VIDYAPITH , BANASTHALI (C)	4,20,000.00
15 BARKATULLAH UNIVERSITY, BHOPAL (C)	1,20,000.00
16 BENGAL ENGINEERING AND SCIENCE UNIVERSITY, HOWRAH (C)	9,00,000.00
17 BHARATHIAR UNIVERSITY, COIMBATORE (C)	10,00,000.00
18 BHARATHIDASAN UNIVERSITY, TIRUCHIRAPPALLI (C)	45,77,000.00
19 BHAVNAGAR UNIVERSITY, BHAVNAGAR (C)	6,00,000.00
20 BIRLA INSTITUTE OF TECHNOLOGY AND SCIENCE- PILANI, GOA (C)	20,00,000.00
21 BIRLA INSTITUTE OF TECHNOLOGY, MERSA, RANCHI (C)	14,44,900.00
22 BIRLA INSTITUTE OF TECHNOLOGY & SCIENCE-PILANI, HYDERABAD (C)	35,90,700.00
23 CENTER FOR DEVELOPMENT OF ADVANCED COMPUTING, PUNE (C)	2,99,300.00
24 CENTRAL AGRICULTURAL UNIVERSITY, IMPHAL (C)	35,85,000.00
25 CENTRAL DRUG RESEARCH INSTITUTE, LUCKNOW (C)	1,70,000.00
26 CENTRAL ELECTROCHEMICAL RESEARCH INSTITUTE, KARAIKUDI (C)	15,65,000.00
27 CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR (C)	27,50,000.00
28 CENTRAL UNIVERSITY OF PUNJAB, BATHINDA (C)	10,00,000.00
29 CENTRE FOR CELLULAR AND MOLECULAR BIOLOGY, HYDERABAD (C)	5,00,000.00

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc.

Grants in Aid (Capital Assets)

Annexure -3B

PARTICULARS	Previous Year
30 CENTRE FOR DNA FINGERPRINTING AND DIAGNOSTICS, HYDERABAD (C)	9,00,000.00
31 CENTRE FOR WATER RESOURCES DEVELOPMENT & MANAGEMENT, KOZHIKODE (C)	5,00,000.00
32 COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY, COCHIN (C)	13,80,000.00
33 CSK HIMACHAL PRADESH AGRICULTURAL UNIVERSITY, PALAMPUR (C)	8,00,000.00
34 DAYAL BAGH EDUCATIONAL INSTITUTE, AGRA (C)	6,40,000.00
35 DELHI TECHNOLOGICAL UNIVERSITY(FORMERLY DCE), DELHI (C)	15,35,000.00
36 DR. YS PARMAR UNIVERSITY OF HORTICULTURE & FORESTRY, SOLAN (C)	6,00,000.00
37 DURGAPUR GOVERNMENT COLLEGE, DURGAPUR (C)	11,55,000.00
38 DYAL SINGH COLLEGE, NEW DELHI (C)	6,60,000.00
39 FET-MITS, MODY INSTITUTE OF TECHNOLOGY AND SCIENCE, SIKAR (C)	14,25,000.00
40 GALGOTIA UNIVERSITY, GAUTAM BUDDHA NAGAR (C)	14,97,472.00
41 GAUTAM BUDDHA UNIVERSITY, GREATER NOIDA (C)	20,41,709.00
42 GEOLOGICAL SURVEY OF INDIA, LUCKNOW (C)	12,50,000.00
43 GOVERNMENT COLLEGE RHENOCK, SIKKIM (C)	1,77,000.00
44 GRAPHIC ERA UNIVERSITY, DEHRADUN (C)	5,06,000.00
45 GULBARGA UNIVERSITY, GULBARGA (C)	1,12,000.00
46 GURU GOVIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI (C)	11,34,000.00
47 GURU NANAK DEV ENGINEERING COLLEGE, LUDHIANA (C)	16,51,000.00
48 HALDIA INSTITU TE OF TECHNOLOGY, MIDNAPORE (C)	12,20,000.00
49 HH THE RAJAH'S COLLEGE, PUDUKOTTAI (C)	2,50,000.00
50 HINDUSTAN COLLEGE OF SCIENCE & TECHNOLOGY, MATHURA (C)	15,58,738.00
51 HLL LIFE CARE LIMITED, THIRUVANANTHAPURAM (C)	4,00,000.00
52 HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE, HOOGHLY (C)	83,431.00
53 HOOGHLY MOHSIN COLLEGE, HOOGHLY (C)	7,00,000.00
54 INDIAN AGRICULTURAL RESEARCH INSTITUTE, NEW DELHI (C)	2,00,000.00
55 INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE, KOLKATA (C)	5,00,000.00

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc.

Grants in Aid (Capital Assets)

Annexure -3B

PARTICULARS	Previous Year
56 INDIAN INSTITUTE OF CHEMICAL TECHNOLOGY, HYDERABAD (C)	6,00,000.00
57 INDIAN INSTITUTE OF SCIENCE, BANGALORE (C)	8,77,76,600.00
58 INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, BHOPAL (C)	24,59,518.00
59 INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, PUNE (C)	53,90,000.00
60 INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, THIRUVANANTHAPURAM (C)	33,00,000.00
61 INDIAN INSTITUTE OF SCIENCE EDUCATION & RESEARCH, MOHALI, CHANDIGARH (C)	18,43,000.00
62 INDIAN INSTITUTE OF TECHNOLOGY, BHUBANESWAR (C)	27,07,000.00
63 INDIAN INSTITUTE OF TECHNOLOGY, CHENNAI (C)	8,50,53,500.00
64 INDIAN INSTITUTE OF TECHNOLOGY, DELHI (C)	2,42,23,551.00
65 INDIAN INSTITUTE OF TECHNOLOGY, GUWAHATI (C)	34,81,100.00
66 INDIAN INSTITUTE OF TECHNOLOGY, HYDERABAD (C)	46,78,500.00
67 INDIAN INSTITUTE OF TECHNOLOGY, INDORE (C)	22,96,000.00
68 INDIAN INSTITUTE OF TECHNOLOGY, KANPUR (C)	6,69,80,620.00
69 INDIAN INSTITUTE OF TECHNOLOGY, KHARAGPUR (C)	3,00,10,000.00
70 INDIAN INSTITUTE OF TECHNOLOGY, MUMBAI (C)	3,95,68,715.00
71 INDIAN INSTITUTE OF TECHNOLOGY, PATNA (C)	10,00,000.00
72 INDIAN INSTITUTE OF TECHNOLOGY RAJASTHAN, RATANADA , JODHPUR (C)	7,00,000.00
73 INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE (C)	75,000.00
74 INDIAN INSTITUTE OF TECHNOLOGY ROPAR, RUPNAGAR (C)	6,19,000.00
75 INDIRA GANDHI INSTITUTE OF TECHNOLOGY, SARANG (C)	11,25,000.00
76 INDRAPRASTHA INSTITUTE OF INFORMATION TECHNOLOGY(IIIT), NEW DELHI (C)	1,96,000.00
77 INSTITUTE OF MATHEMATICAL SCIENCES, CHENNAI (C)	50,000.00
78 INSTITUTE OF MINERALS AND MATERIALS TECHNOLOGY, BHUBANESWAR (C)	8,00,000.00
79 INSTITUTE OF MOLECULAR MEDICINE, KOLKATA (C)	13,51,262.00
80 INSTITUTE OF WOOD SCIENCE & TECHNOLOGY, BANGALORE (C)	8,99,000.00
81 INTERACTIVE RESEARCH SCHOOL FOR HEALTH AFFAIRS, BHARATI VIDYAPEETH UNIVERSITY, PUNE (C)	9,54,000.00
82 INTERNATIONAL ADVANCED RESEARCH CENTRE FOR POWDER METALLURGY & NEW MATERIALS (ACRI),	

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc.
Grants in Aid (Capital Assets)

Annexure -3B

PARTICULARS	Previous Year
HYDERABAD (C)	5,00,00,000.00
83 INTERNATIONAL INSTITUTE OF INFORMATION TECHNOLOGY, HYDERABAD (C)	10,20,500.00
84 JADAVPUR UNIVERSITY, KOLKATA (C)	2,65,25,000.00
85 JAI NARAIN VYAS UNIVERSITY, JODHPUR (C)	4,45,000.00
86 JAMIA HAMDARD (HAMDARD UNIVERSITY) , NEW DELHI (C)	4,28,000.00
87 JAWAHARLAL NEHRU UNIVERSITY, NEW DELHI (C)	2,50,000.00
88 JIS COLLEGE OF ENGINEERING, NADIA (C)	2,00,000.00
89 JSS COLLEGE OF PHARMACY, MYSORE (C)	10,35,000.00
90 KAKATIYA UNIVERSITY, WARANGAL (C)	24,32,000.00
91 KARNATAKA UNIVERSITY, DHARWAD (C)	3,32,000.00
92 KARUNYA UNIVERSITY, COIMBATORE (C)	5,40,000.00
93 KHARAGPUR COLLEGE, KHARAGPUR (C)	20,78,000.00
94 K L E F UNIVERSITY, VADDESWARAM (C)	15,50,000.00
95 KUMAON UNIVERSITY, NANITAL (C)	70,000.00
96 LAL BAHADUR SHASTRI COLLEGE OF PHARMACY, JAIPUR (C)	12,14,000.00
97 LOYOLA COLLEGE, CHENNAI (C)	12,85,000.00
98 LUCKNOW UNIVERSITY (C)	8,65,000.00
99 MADURAI KAMARAJ UNIVERSITY, MADURAI (C)	38,12,178.00
100 MAHANAND MISSION HARIJAN COLLEGE, GHAZIABAD (C)	2,75,000.00
101 MAHARANA PRATAP UNIVERSITY OF AGRICULTURE & TECHNOLOGY, UDAIPUR (C)	3,10,000.00
102 MAHTASHTRA ANIMAL AND FISHERIES SCIENCES UNIVERSITY, NAGPUR (C)	810,000.00
103 MAHTASHTRA GANDHI UNIVERSITY, KOTTAYAM (C)	12,00,000.00
104 MANGALORE UNIVERSITY, MANGALAGANGOTRI, DAKSHINA KANNADA (C)	13,00,000.00
105 MANIPAL UNIVERSITY, MANIPAL (C)	8,80,000.00
106 MANONMANIAM SUNDARANAR UNIVERSITY, TIRUNELVELI (C)	65,000.00
107 MILLIYA ARTS, SCIENCE AND MANAGEMENT SCIENCE COLLEGE, BEED (C)	7,50,000.00
108 MOTHER TERESA WOMEN UNIVERSITY, KODAIKANAL (C)	21,40,292.00
109 M.S. UNIVERSITY OF BARODA, VADODARA (C)	11,79,999.00
110 NATIONAL CENTRE FOR ANTARCTIC & OCEAN RESEARCH, VASCO-DA-GAMA, GOA (C)	3,20,000.00
111 NATIONAL CHEMICAL LABORATORY, PUNE (C)	46,75,000.00
112 NATIONAL GEOPHYSICAL RESEARCH INSTITUTE,	

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc.

Grants in Aid (Capital Assets)

Annexure -3B

PARTICULARS	Previous Year
HYDERABAD (C)	1,00,000.00
113 NATIONAL INSTITUTE OF BIOMEDICAL GENOMICS, KALYANI (C)	5,00,000.00
114 NATIONAL INSTITUTE OF IMMUNOLOGY, NEW DELHI (C)	5,06,000.00
115 NATIONAL INSTITUTE OF OCEANOGRAPHY, GOA (C)	4,80,000.00
116 NATIONAL INSTITUTE OF PLANT GENOME RESEARCH, NEW DELHI (C)	6,00,000.00
117 NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, BHUBANESWAR (C)	33,05,000.00
118 NATIONAL INSTITUTE OF TECHNOLOGY, DURGAPUR (C)	11,60,000.00
119 NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL (C)	13,00,000.00
120 NATIONAL INSTITUTE OF TECHNOLOGY, ROURKELA (C)	34,53,385.00
121 NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI (C)	11,23,000.00
122 NATIONAL PHYSICAL LABORATORY, NEW DELHI (C)	6,00,000.00
123 NATIONAL RESEARCH CENTRE ON MEAT, HYDERABAD (C)	5,35,000.00
124 NATURE CONSERVATION FOUNDATION, MYSORE (C)	1,00,000.00
125 NOORUL ISLAM CENTER OF HIGHER EDUCATION, KANYAKUMARI (C)	10,50,000.00
126 NOOTAN PHARMACY COLLEGE, VISNAGAR (C)	11,00,000.00
127 NORTH-EAST INSTITUTE OF SCIENCE AND TECHNOLOGY, JORHAT (C)	8,00,000.00
128 NSS COLLEGE, MALAPPURAM (C)	2,74,000.00
129 N.S.S HINDU COLLEGE, CHANGANACHERRY (C)	3,67,500.00
130 OSMANIA UNIVERSITY, HYDERABAD (C)	12,00,000.00
131 PALAMURU UNIVERSITY, MAHABUBNAGAR, AP (C)	8,32,500.00
132 PANDIT DEENDAYAL PETROLEUM UNIVERSITY, GANDHI NAGAR (C)	5,00,000.00
133 PONDICHERRY UNIVERSITY, PONDICHERRY (C)	30,00,000.00
134 POORNAPRANJA INSTITUTE OF SCIENTIFIC RESEARCH, BANGALORE (C)	5,25,000.00
135 POSTGRADUATE INSTITUTE OF MEDICAL EDUCATION AND RESEARCH, CHANDIGARH (C)	53,33,000.00
136 PSG COLLEGE OF TECHNOLOGY, COIMBATORE (C)	31,50,000.00
137 PUNJAB COLLEGE OF ENGINEERING & TECHNOLOGY, SAS NAGAR, MOHALI (C)	10,00,000.00
138 PUNJABI UNIVERSITY, PATIALA (C)	6,00,000.00
139 PUNJAB TECHNICAL UNIVERSITY, KAPURTHALA (C)	1,00,000.00
140 PUNJAB UNIVERSITY, CHANDIGARH (C)	2,00,000.00
141 RAVENSHAW UNIVERSITY, CUTTACK (C)	13,20,000.00

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc.

Grants in Aid (Capital Assets)

Annexure -3B

PARTICULARS	Previous Year
142 RTM NAGPUR UNIVERSITY, NAGPUR (C)	75,000.00
143 SAMSKRITI FOUNDATION, MYSORE (C)	1,00,000.00
144 SARDAR VALLABHBHAI NATIONAL INSTITUTE OF TECHNOLOGY, SURAT (C)	2,00,000.00
145 SASTRA UNIVERSITY, THANJAVUR (C)	25,75,000.00
146 SAURASHTRA UNIVERSITY, RAJKOT (C)	8,00,000.00
147 SAVEETHA ENGINEERING COLLEGE, CHENNAI (C)	15,00,000.00
148 SCHOOL OF LIFE SCIENCES PONDICHERRY UNIVERSITY, PUDHUCHERRY (C)	7,35,000.00
149 SETH JAI PRAKASH MUKAND LAL INSTITUTE OF ENGINEERING AND TECHNOLOGY, RADUR (C)	3,00,000.00
150 SHER- E-KASHMIR UNIVERSITY OF AGRICULTURAL SCIENCES & TECHNOLOGY OF KASHMIR (SKUAST-K), SRINAGAR (C)	17,15,000.00
151 SHRI S.I.PATIL ARTS, G.B.PATEL SCIENCE & STSKVS COMMERCE COLLEGE, SHAHADA (C)	10,50,000.00
152 SMT. N. P. SAVITHRAMMA GOVERNMENT COLLEGE FOR WOMEN, CHITTOOR (C)	5,98,000.00
153 SMT. PARVATIBAI CHOWGULE COLLEGE OF ARTS & SCIENCE, GOA (C)	8,00,000.00
154 SNOW AND AVALANCHE STUDY ESTABLISHMENT(SASE), CHANDIGARH (C)	10,00,000.00
155 SREE CHITRA TIRUNAL INSTITUTE FOR MEDICAL SCIENCE & TECHNOLOGY, TRIVANDRUM (C)	2,40,000.00
156 SREE VIDYANIKETAN ENGINEERING COLLEGE, A RANGAMPET, CHITTOR (C)	3,00,000.00
157 SRI JAYACHAMARAJENDRA COLLEGE OF ENGINEERING, MYSORE (C)	6,38,000.00
158 SRI KRISHNADEVARAYA UNIVERSITY, ANANTAPUR (C)	8,00,000.00
159 SRI VENKATESWARA COLLEGE, NEW DELHI (C)	16,11,255.00
160 SRI VENKATESWARA UNIVERSITY, TIRUPATI (C)	1,10,000.00
161 SRI VENKATESWARA VETERINARY UNIVERSITY, TIRUPATI (C)	15,27,000.00
162 SRM UNIVERSITY, KATTANKULATHUR (C)	5,78,000.00
163 ST. JOSEPH COLLEGE, TIRUCHIRAPPALLI (C)	2,10,000.00
164 ST. MARY'S ENGINEERING COLLEGE, DESHMUKHI(V), HYDERABAD (C)	1,92,933.00
165 ST. THOMAS COLLEGE PALA, KOTTAYAM (C)	5,70,000.00
166 ST. XAVIER'S COLLEGE, KOLKATA (C)	1,88,000.00
167 ST. XAVIER'S COLLEGE, MUMBAI (C)	50,000.00

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc.

Grants in Aid (Capital Assets)

Annexure -3B

PARTICULARS	Previous Year
168 ST.XAVIERS CATHOLIC COLLEGE OF ENGINEERING, CHUNKANKADAI, KANYAKUMARI (C)	11,03,000.00
169 SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY, NANDED (C)	16,07,200.00
170 TAMIL NADU AGRICULTURAL UNIVERSITY, COIMBATORE (C)	24,35,700.00
171 TEZPUR UNIVERSITY, TEZPUR, ASSAM (C)	1,50,000.00
172 THANGAL KUNJU MUSLIAR ARTS AND SCIENCE COLLEGE, KOLLAM (C)	6,87,000.00
173 THAPAR UNIVESITY, PATIALA (C)	53,46,000.00
174 THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI (C)	19,84,000.00
175 THIRU. VI. KA. GOVT. ARTS COLLEGE, TIRUVARUR (C)	4,81,000.00
176 TRP ENGINEERING COLLEGE(SRM GROUP), IRUNGALUR (C)	10,20,000.00
177 UM-DAE CBS CENTRE FOR EXCELLENCE IN BASIC SCIENCE, MUMBAI (C)	5,40,000.00
178 UNIVERSITY OF AGRICULTURAL SCIENCE, HASSAN (C)	3,09,000.00
179 UNIVERSITY OF ALLAHABAD, ALLAHABAD (C)	18,55,000.00
180 UNIVERSITY OF BURDWAN, BURDWAN (C)	2,25,000.00
181 UNIVERSITY OF CALCUTTA, KOLKATA (C)	23,42,000.00
182 UNIVERSITY OF DELHI, NORTH CAMPUS (C)	3,17,12,000.00
183 UNIVERSITY OF DELHI, SOUTH CAMPUS (C)	17,11,750.00
184 UNIVERSITY OF HYDERABAD (C)	3,04,00,000.00
185 UNIVERSITY OF KASHMIR, SRINAGAR (C)	10,98,500.00
186 UNIVERSITY OF LUCKHNOW (C)	8,85,600.00
187 UNIVERSITY OF NORTH BENGAL, DARJEELING (C)	21,82,000.00
188 UNIVERSITY OF PUNE (C)	14,60,000.00
189 UNIVERSITY OF RAJASTHAN, JAIPUR (C)	2,00,000.00
190 VECTOR CONTROL CENTRE(ICMR) MEDICAL COMPLEX, PUDUCHERRY (C)	1,73,400.00
191 VELLORE INSTITUTE OF TECHNOLOGY UNIVERSITY, VELLORE (C)	6,77,69,208.00
192 VIKRAMAJIT SINGH SANATAN DHARM COLLEGE,	

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc.

Grants in Aid (Capital Assets)

Annexure -3B

PARTICULARS

Previous Year

	KANPUR (C)	5,20,000.00
193	VIKRAM UNIVERSITY, UJJAIN (C)	1,50,000.00
194	VISHNU INSTITUTE OF PHARMACEUTICAL EDUCATION & RESEARCH, NARSAPUR (C)	5,47,000.00
195	VISION RESEARCH FOUNDATION, CHENNAI (C)	7,83,000.00
196	VISVA BHARATI UNIVERSITY, SANTINIKETAN (C)	6,25,000.00
197	VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR (C)	14,99,000.00
198	YOGI VEMANA UNIVERSITY, KADAPA (C)	11,29,000.00
199	ZOOLOGICAL SURVEY OF INDIA, KOLKATA (C)	3,10,000.00
200	ZOOLOGICAL SURVEY OF INDIA, NORTHERN REGIONAL CENTRE, DEHRADUN (C)	6,66,000.00
	TOTAL	758,097,024.00



Science and Engineering Research Board

Expenditure on Grants, Subsidies etc.

Grants in Aid (General)

Annexure -4B

PARTICULARS	Previous Year
1 ACHARYA NAGARJUNA UNIVERSITY, GUNTUR	77,855.00
2 ACHARYA NARENDRA DEV COLLEGE, NEW DELHI	1,45,943.00
3 ACHARYA N. G. RANGA AGRICULTURAL UNIVERSITY, HYDERABAD	3,00,000.00
4 ADINA INSTITUTE OF PHARMACEUTICAL SCIENCES, SAGAR	40,000.00
5 ADITANAR COLLEGE OF ARTS AND SCIENCE, TIRUCHENDUR 30,000.00	
6 ADITYA BANGALORE INSTITUTE OF PHARMACY EDUCATION & RESEARCH, BANGALORE	40,500.00
7 A D PATEL INSTITUTE OF TECHNOLOGY, ANAND	81,161.00
8 ADVANCED CENTRE FOR TREATMENT, RESEARCH & EDUCATION IN CANCER, NAVI MUMBAI	10,00,000.00
9 ADVANCED MATERIALS AND PROCESSES RESEARCH INSTITUTE, BHOPAL	8,38,296.00
10 AGHARKAR RESEARCH INSTITUTE, PUNE (G)	74,22,160.00
11 AGRA COLLEGE, AGRA	5,00,000.00
12 AGRI-HORTI SOCIETY OF INDIA, CHIPLIA, ODISHA	1,00,000.00
13 AHMEDNAGAR COLLEGE, MAHARASHTRA	21,184.00
14 A.H. REGIONAL CANCER CENTRE, CUTTACK	58,210.00
15 AJAY KUMAR GARG ENGINEERING COLLEGE, GHAZIABAD	1,22,754.00
16 AKARSHAN UTHAN SAMITI, CHATTARPUR	50,000.00
17 ALAGAPPA UNIVERSITY, KARAIKUDI	12,05,859.00
18 ALAGAPPA UNIVERSITY, THONDI (G)	4,50,000.00
19 AL-FALAH SCHOOL OF ENGINEERING & TECHNOLOGY, FARIDABAD	80,000.00
20 ALIGARH MUSLIM UNIVERSITY (G)	63,98,955.00
21 ALL EDUCATION RESEARCH POINT, FARIDABAD	75,000.00
22 ALL INDIA INSTITUTE OF MEDICAL SCIENCES , NEW DELHI (G)	1,52,43,104.00
23 ALL INDIA SARNATH EDUCATIONAL ADVANCEMENT & CULTURAL SOCIETY, NEW DELHI	90,000.00
24 ALL INDIA SARNATH EDUCATIONAL RURAL ADVANCEMENT & CULTURAL SOCIETY, MP	75,000.00

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc.
Grants in Aid (General)

Annexure -4B

PARTICULARS	Previous Year
25 <i>AMBEDKAR INSTITUTE OF TECHNOLOGY, DELHI</i>	56,943.00
26 <i>AMET UNIVERSITY, CHENNAI</i>	56,882.00
27 <i>AMITY INSTITUTE OF BIOTECHNOLOGY, NOIDA</i>	2,65,000.00
28 <i>AMITY UNIVERSITY, NOIDA</i>	6,33,957.00
29 <i>AMRITA INSTITUTE OF MEDICAL SCIENCES AND RESEARCH CENTRE, KOCHI (G)</i>	5,99,814.00
30 <i>AMRITA SCHOOL OF BIOTECHNOLOGY, AMRITA UNIVERSITY, AMRITAPURI, KOLLAM (G)</i>	5,30,000.00
31 <i>AMRITA VISHWA VIDYAPEETHAM, COIMBATORE</i>	6,46,776.00
32 <i>AMRITA VISHWA VIDYAPEETHAM UNIVERSTIY, KOLLAM, TN</i>	4,20,326.00
33 <i>ANAND ENGINEERING COLLEGE, AGRA</i>	50,000.00
34 <i>ANDHRA UNIVERSITY COLLEGE OF ENGINEERING, VISAKHAPATNAM</i>	75,000.00
35 <i>ANDHRA UNIVERSITY, VISAKHAPATNAM</i>	24,60,000.00
36 <i>ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY & SCIENCE, VISHAKHAPATNAM</i>	45,290.00
37 <i>ANMOL, NEW DELHI</i>	1,25,000.00
38 <i>ANNAMALAI UNIVERSITY, ANNAMALAINAGAR (G)</i>	43,60,582.00
39 <i>ANNAMALAI UNIVERSITY, PARANGITETTAI</i>	84,692.00
40 <i>ANNA UNIVERSITY, CHENNAI (G)</i>	29,49,359.00
41 <i>ANNA UNIVERSITY, MADRAS INS. OF TECH. CAMPUS, CHENNAI</i>	50,000.00
42 <i>ANNA UNIVERSITY OF TECHNOLOGY, MADURAI (G)</i>	4,32,000.00
43 <i>ANNA UNIVERSITY OF TECHNOLOGY, TIRUCHIRAPPALI (G)</i>	5,00,000.00
44 <i>ANNA UNIVERSITY OF TECHNOLOGY, TIRUNALVELI</i>	1,30,000.00
45 <i>ANNA UNIVERSITY, TIRUCHIRAPPALLI</i>	10,50,000.00
46 <i>ANUGRAH NARAYAN COLLEGE, PATNA</i>	1,70,338.00
47 <i>ANURADHA ENGINEERING COLLEGE, CHIKHLI</i>	78,291.00
48 <i>A R COLLEGE OF PHARMACY & G H PATEL INSTITUTE OF PHARMACY, ANAND</i>	50,275.00
49 <i>ARMY HOSPITAL (R&R), NEW DELHI</i>	3,77,365.00
50 <i>ARYABHATTA RESEARCH INSTITUTE OF OBSERVATIONAL</i>	



Science and Engineering Research Board

Expenditure on Grants, Subsidies etc.

Grants in Aid (General)

Annexure -4B

PARTICULARS	Previous Year
SCIENCES, NAINITAL	46,750.00
51 ARYA POST GRADUATE COLLEGE, PANIPAT	50,000.00
52 ARYA VIDYAPEETH COLLEGE, GUWAHATI	5,00,000.00
53 ASHOKA TRUST FOR RESEARCH IN ECOLOGY AND THE ENVIRONMENT ROYAL ENCLAVE, BANGALORE	9,00,000.00
54 ASIAN POLYMER ASSOCIATION, NEW DELHI	1,00,000.00
55 ASIAN SOCIETY FOR PAEDIATRIC UROLOGY, NEW DELHI	4,50,000.00
56 ASM INTERNATIONAL INDIA CHAPTER, MUMBAI	1,00,000.00
57 ASSAM UNIVERSITY, SILCHAR (G)	6,70,000.00
58 ASSOCIATION OF ECONOMIC GEOLOGISTS, NEW DELHI	1,00,000.00
59 ASSOCIATION OF HYDROLOGISTS OF INDIA, VISAKHAPATNAM	9,00,000.00
60 ATMA RAM SANATAN DHARM COLLEGE, DELHI (G)	5,10,492.00
61 A.U.COLLEGE OF ENGINEERING, VISAKHAPATNAM	75,000.00
62 BABA BALAK NATH WELFARE AND CULTURAL SOCIETY, DELHI	50,000.00
63 BABA BANDA SINGH BAHADUR ENGINEERING COLLEGE, FATEHGARH SAHIB	98,870.00
64 BABASAHEB BHIMRAO AMBEDKAR UNIVERSITY, LUCKNOW	1,32,218.00
65 BANARAS HINDU UNIVERSITY, VARANASI (G)	1,63,42,145.00
66 BANASTHALI VIDYAPITH , BANASTHALI (G)	7,18,812.00
67 BANGALORE UNIVERSITY	28,67,877.00
68 BANNARI AMMAN INSTITUTE OF TECHNOLOGY, SATHYAMANGALAM	1,22,784.00
69 BARKATULLAH UNIVERSITY, BHOPAL (G)	8,90,500.00
70 BASANTI DEVI COLLEGE, KOLKATA	49,138.00
71 BEANT COLLEGE OF ENGINEERING & TECHNOLOGY, GURDASPUR	88,810.00
72 BENGAL ENGINEERING & SCIENCE UNIVERSITY, HOWRAH (G)	19,16,014.00
73 BHABHA ATOMIC RESEARCH CENTRE, MUMBAI	14,70,199.00
74 BHARATHIAR UNIVERSITY, COIMBATORE (G)	40,92,543.00
75 BHARATHIDASAN UNIVERSITY, TIRUCHIRAPPALLI (G)	88,27,356.00
76 BHARATI VIDYAPEET'S INSTITUTE OF COMPUTER	

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc.

Grants in Aid (General)

Annexure -4B

PARTICULARS	Previous Year
<i>APPLICATIONS & MANAGEMENT, NEW DELHI</i>	75,000.00
77 <i>BHARAT RATAN DR. BHIM RAO AMBEDKAR DALIT UTTHAN AVOM SHIKHA SAMITI, DELHI</i>	50,000.00
78 <i>BHARTI NANDINI SOCIAL WELFARE SOCIETY, GWALIOR, M.P.</i>	50,000.00
79 <i>BHASKARACHARYA PRATISHTHANA, PUNE</i>	3,45,777.00
80 <i>BHAVANS SHETH R.A. COLLEGE OF SCIENCE, AHMEDABAD</i>	44,320.00
81 <i>BHAVNAGAR UNIVERSITY, BHAVNAGAR (G)</i>	6,20,000.00
82 <i>BHOPAL UNIVERSITY, BHOPAL</i>	30,175.00
83 <i>BIOVED RESEARCH INSTITUTE OF AGRICULTURE & TECHNOLOGY, ALLAHABAD</i>	1,00,000.00
84 <i>BIOZONE RESEARCH FOUNDATION, GORAKHPUR</i>	1,00,000.00
85 <i>BIRBAL SAHANI INSTITUTE OF PALAEOBOTANY, LUCKNOW</i>	3,18,034.00
86 <i>BIRLA INSTITUTE OF SCIENTIFIC RESEARCH, JAIPUR</i>	5,00,000.00
87 <i>BIRLA INSTITUTE OF TECHNOLOGY AND SCIENCE- PILANI, GOA (G)</i>	5,84,001.00
88 <i>BIRLA INSTITUTE OF TECHNOLOGY, JAIPUR</i>	4,00,000.00
89 <i>BIRLA INSTITUTE OF TECHNOLOGY, MERSA, RANCHI (G)</i>	24,22,155.00
90 <i>BIRLA INSTITUTE OF TECHNOLOGY, NOIDA</i>	1,25,000.00
91 <i>BIRLA INSTITUTE OF TECHNOLOGY & SCIENCE-PILANI, HYDERABAD (G)</i>	14,56,735.00
92 <i>BIRLA INSTITUTE OF TECHNOLOGY & SCIENCES, PILANI, RAJASTHAN(G)</i>	21,32,506.00
93 <i>BISHOP HEBER, COLLEGE(AUTONOMOUS), TIRUCHIRAPPALLI</i>	1,43,834.00
94 <i>BOSE INSTITUTE, KOLKATA</i>	5,76,674.00
95 <i>B. R. B. COLLEGE, SAMASTIPUR</i>	72,255.00
96 <i>B. S. ABDUR RAHMAN UNIVERSITY, CHENNAI</i>	55,710.00
97 <i>BUDDHA INSTITUTE OF DENTAL SCIENCES, PATNA</i>	96,310.00
98 <i>BUNDELKHAND UNIVERSITY, JHANSI</i>	1,26,326.00
99 <i>CALCUTTA MATHEMATICAL SOCIETY, KOLKATA</i>	1,50,000.00
100 <i>CALCUTTA SCHOOL OF TROPICAL MEDICINE, KOLKATA</i>	1,00,000.00
101 <i>CANCER INSTITUTE(WIA), CHENNAI</i>	3,41,776.00
102 <i>CANCER RESEARCH INSTITUTE, DEHRADUN</i>	1,00,000.00



Science and Engineering Research Board

Expenditure on Grants, Subsidies etc.
Grants in Aid (General)

Annexure -4B

PARTICULARS	Previous Year
103 CCS HARYANA AGRICULTURE UNIVERSITY, HISAR	4,49,175.00
104 CENTER FOR DEVELOPMENT OF ADVANCED COMPUTING, PUNE (G)	8,36,000.00
105 CENTRAL AGRICULTURAL RESEARCH INSTITUTE, PORT BLAIR	67,853.00
106 CENTRAL AGRICULTURAL UNIVERSITY, IMPHAL (G)	6,15,000.00
107 CENTRAL COFFEE RESEARCH INSTITUTE, CHIKMAGALUR	82,984.00
108 CENTRAL COUNCIL FOR RESEARCH IN AYURVEDA AND SIDDHA, NEW DELHI	1,01,053.00
109 CENTRAL DRUG RESEARCH INSTITUTE, LUCKNOW (G)	56,13,109.00
110 CENTRAL ELECTROCHEMICAL RESEARCH INSTITUTE, KARAIKUDI (G)	14,34,574.00
111 CENTRAL ELECTRONICS ENGINEERING RESEARCH INSTITUTE, PILANI	1,00,805.00
112 CENTRAL FOOD TECHNOLOGICAL RESEARCH INSTITUTE, MYSORE	4,09,451.00
113 CENTRAL GLASS & CERAMICS RESEARCH INSTITUTE, KOLKATA	7,25,000.00
114 CENTRAL INSTITUTE OF FRESHWATER AQUACULTURE, BHUBANESWAR	85,493.00
115 CENTRAL INSTITUTE OF MEDICINAL & AROMATIC PLANTS (CIMAP), LUCKNOW	33,53,344.00
116 CENTRAL INSTITUTE OF MINING AND FUEL RESEARCH, DHANBAD	5,83,973.00
117 CENTRAL LEATHER RESEARCH INSTITUTE, CHENNAI	30,29,704.00
118 CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR (G)	3,50,428.00
119 CENTRAL MUGA ERI RESEARCH & TRAINING CENTRE, JORHAT	86,342.00
120 CENTRAL PLANTATION CROPS RESEARCH INSTITUTE, KASARAGOD	70,157.00
121 CENTRAL RESEARCH INSTITUTE FOR DRYLAND AGRICULTURE (CRIDA), HYDERABAD	9,00,000.00

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc.

Grants in Aid (General)

Annexure -4B

PARTICULARS	Previous Year
122 CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI	52,297.00
123 CENTRAL SALT & MARINE CHEMICALS RESEARCH INSTITUTE (CSMCRI), BHAVNAGAR	12,51,853.00
124 CENTRAL TUBER CROPS RESEARCH INSTITUTE, THIRUVANANTHAPURAM	2,30,000.00
125 CENTRAL UNIVERSITY OF JHARKHAND, RANCHI, BRAMBE	30,20,000.00
126 CENTRAL UNIVERSITY OF PUNJAB, BATHINDA (G)	5,11,200.00
127 CENTRE FOR CELLULAR AND MOLECULAR BIOLOGY, HYDERABAD (G)	24,36,053.00
128 CENTRE FOR CHRONIC DISEASE CONTROL, NEW DELHI	1,50,000.00
129 CENTRE FOR DNA FINGERPRINTING AND DIAGNOSTICS, GRUHAKALPA, HYDERABAD	13,00,000.00
130 CENTRE FOR DNA FINGERPRINTING AND DIAGNOSTICS, HYDERABAD (G)	6,00,000.00
131 CENTRE FOR FIRE, EXPLOSIVE AND ENVIRONMENT SAFETY, DEFENCE RESEARCH AND DEVELOPMENT ORGANISATION, DELHI	1,76,704.00
132 CENTRE FOR MATERIALS FOR ELECTRONICS TECHNOLOGY-C-MET (SOCIETY OF DIT), HYDERABAD	1,60,000.00
133 CENTRE FOR MATERIALS FOR ELECTRONICS TECHNOLOGY(C-MET), THRISSUR	3,30,000.00
134 CENTRE FOR MATHEMATICAL SCIENCES, PALA	33,99,609.00
135 CENTRE FOR NANOSCIENCE AND NANOTECHNOLOGY, MGU, KOTTAYAM	2,25,000.00
136 CENTRE FOR NATURAL BIOLOGICAL RESOURCES AND COMMUNITY DEVELOPMENT, BANGALORE	26,000.00
137 CENTRE FOR PHILOSOPHY AND FOUNDATION OF SCIENCE, NEW DELHI	15,00,000.00
138 CENTRE FOR WATER RESOURCES DEVELOPMENT & MANAGEMENT, KOZHIKODE (G)	25,10,000.00
139 CENTRE FOR WILDLIFE STUDIES, BANGALORE	14,60,000.00
140 CENTRE OF BIOMEDICAL MAGNETIC RESONANCE, LUCKNOW	1,04,829.00

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc.

Grants in Aid (General)

141	CENTRE OF MATHEMATICAL MODELLING AND COMPUTER SIMULATION(C-MMACS), BANGALORE	3,00,000.00
142	CH. CHARAN SINGH UNIVERSITY, MEERUT	3,21,936.00
143	CHEMICAL RESEARCH SOCIETY OF INDIA, BANGALORE	4,80,000.00
144	CHHATRAPATI SHAHUJI MAHARAJ MEDICAL UNIVERSITY, LUCKNOW	2,42,583.00
145	CHHATRAPATI SHAHU JI MAHARAJ UNIVERSITY, KANPUR	4,90,000.00
146	CHIKKIAH NAICKER COLLEGE, ERODE	1,25,000.00
147	CHITKARA UNIVERSITY, RAJPURA	25,000.00
148	CHITTARANJAN NATIONAL CENCER INSTITUTE, KOLKATA	10,00,000.00
149	CHOITHRAM HOSPITAL AND RESEARCH CENTRE, INDORE	12,62,064.00
150	CHRISTIAN MEDICAL COLLEGE, VELLORE	17,28,677.00
151	CHRIST UNIVERSITY, BANGALORE	50,000.00
152	COCHIN COLLEGE, COCHIN	967.00
153	COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY, COCHIN (G)	62,13,520.00
154	COIMBATORE INSTITUTE OF TECHNOLOGY, COIMBATORE	16,410.00
155.	COLLEGE OF AGRICULTURE AGARTALA	131,873.00
156.	COLLEGE OF ARTS, COMMERCE & SCIENCE, PARBHANI	568,432.00
157	COLLEGE OF ENGINEERING, PUNE	75,471.00
158	COLLEGE OF VETERINARY SCIENCE & A.H., REWA	42,293.00
159	COLLGE OF VETERINARY & ANIMAL SCIENCE, PARBHANI, MAHARASHTRA	39,097.00
160	CONTAI PALPARA SARADADEVI MAHILA MONDAL, PURBA MEDINIPUR	30,000.00
161	COTTON COLLEGE, GUWAHATI	5,00,000.00
162	CR RAO, ADVANCED INSTITUTE OF MATHEMATICS, STATITICS & COMPUTER SCIENCE, HYDERABAD	4,19,546.00
163	CSK HIMACHAL PRADESH AGRICULTURAL UNIVERSITY, PALAMPUR (G)	7,58,737.00
164	DAIRY TECHNOLOGY SOCIETY OF INDIA, KARNAL	75,000.00
165	D.A.PANDU MEMORIAL R.V.DENTAL COLLEGE, BANGALORE	60,080.00
166	DATTA MEGHE INSTITUTE OF MEDICAL SCIENCE(D.U) , WARDHA	60,118.00

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc.

Grants in Aid (General)

167	DAV COLLEGE, AMRITSAR	3,00,000.00
168	DAV COLLEGE, JALANDHAR	50,000.00
169	DAV INSTITUTE OF ENGINEERING & TECHNOLOGY, JALANDHAR	69,772.00
170	DAV PG COLLEGE, KANPUR	50,000.00
171	DAYALBAGH EDUCATIONAL INSTITUTE, AGRA (G)	18,81,828.00
172	DCR UNIVERSITY OF SCIENCE & TECHNOLOGY, MURTHAL	29,355.00
173	DEENBANDHU CHHOTU RAM UNIVERSITY OF SCIENCE & TECHNOLOGY, SONEPAT	32,688.00
174	DEENDAYAL UPADHYAY GORAKHPUR UNIVERSITY, GORAKHPUR	13,87,363.00
175	DEEN DAYAL UPADHYAY HOSPITAL, NEW DELHI	49,218.00
176	DEFENCE INSTITUTE OF HIGH ALTITUDE RESEARCH, LEH (J&K)	1,78,113.00
177	DEFENCE INSTITUTE OF PHYSIOLOGY & ALLIED SCIENCES, DELHI	2,17,416.00
178	DEHRADUN INSTITUTE OF TECHNOLOGY, DEHRADUN	50,000.00
179	DELHI INSTITUTE OF PHARMACEUTICAL SCIENCES & RESEARCH, NEW DELHI	4,83,000.00
180	DELHI TECHNOLOGICAL UNIVERSITY(FORMERLY DCE), DELHI (G)	4,29,338.00
181	DELHI UNIVERSITY BOTANICAL SOCIETY, DELHI	1,50,000.00
182	DEVAKI AMMA MEMORIAL COLLEGE OF PHARMACY, MALLAPURAM	71,890.00
183	DEVI AHILYA UNIVERSITY, INDORE	5,90,283.00
184	DHIRUBHAI AMBANI INSTITUTE OF INFORMATION & COMMUNICATION TECHNOLOGY, GANDHINAGAR	3,00,000.00
185	DIBRUGARH UNIVERSITY, ASSAM	1,50,000.00
186	DIRECTORATE OF MAIZE RESEARCH, NEW DELHI	1,00,163.00
187	DIRECTORATE OF RAPESEED MUSTARD RESEARCH, BHARATPUR	1,45,154.00
188	DIRECTORATE OF SOYBEAN RESEARCH, INDORE	69,821.00
189	DISHA INSTITUTE OF MANAGEMENT AND TECHNOLOGY, RAIPUR	4,83,000.00
190	D.M. COLLEGE OF SCIENCE, IMPHAL	60,000.00

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc.

Grants in Aid (General)

191	DOCTOR'S KRISHI EVAM BAGWANIN VIKAS SANSTHA, LUCKNOW	50,000.00
192	DOLPHIN PG INSTITUTE OF BIO-MEDICAL & NATURAL SCIENCES, DEHRADUN	95,765.00
193	DOON UNIVERSITY, KEDARPUR, DEHRADUN	5,00,000.00
194	DR. AMBEDKAR INSTITUTE OF TECHNOLOGY, BANGALORE	82,125.00
195	DRAVIDIAN UNIVERSITY, KUPPAM	60,000.00
196	DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD	20,86,355.00
197	DR.B.C.GUHA CENTRE FOR GENETIC ENGINEERING AND BIOLOGY, KOLKATA	6,00,000.00
198	DR. B.C. ROY COLLEGE OF PHARMACY AND ALLIED HEALTH SCIENCE, DURGAPUR	82,055.00
199	DR. B.C. ROY ENGINEERING COLLEGE, DURGAPUR	1,10,991.00
200	DR.B.R.AMBEDKAR CENTRE FOR BIOMEDICAL RESEARCH, UNIVERSITY OF DELHI	6,54,892.00
201	DR. BR AMBEDKAR NATIONAL INSTITUTE OF TECHNOLOGY, JALANDHAR	94,542.00
202	DR. D.Y. PATIL DENTAL COLLEGE & HOSPITAL, PUNE	1,53,783.00
203	DR. HARI SINGH GOUR VISHWAVIDYALAYA, SAGAR	3,32,266.00
204	DR. N.G.P. ARTS AND SCIENCE COLLEGE, COIMBATORE	30,000.00
205	DRONACHARYA COLLEGE OF ENGINEERING, GREATER NOIDA	58,208.00
206	DR. RAM MANOHAR LOHIA HOSPITAL, NEW DELHI	65,475.00
207	DR. YS PARMAR UNIVERSITY OF HORTICULTURE & FORESTRY, SOLAN (G)	4,87,000.00
208	DR. Y S R HORTICULTURAL UNIVERSITY, VENKATARAMANNAGUDEM	50,000.00
209	DURGAPUR GOVERNMENT COLLEGE, DURGAPUR (G)	2,40,000.00
210	DURGAPUR VISWAGANDHA SCIENCE SOCIETY, DURGAPUR	75,000.00
211	DYAL SINGH COLLEGE, NEW DELHI (G)	4,00,000.00
212	D. Y. PATIL UNIVERSITY, KOLHAPUR	1,54,543.00
213	ERA'S MEDICAL COLLEGE, LUCKNOW	1,08,182.00
214	EWING CHRISTIAN COLLEGE, ALLAHABAD	95,230.00

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc.
Grants in Aid (General)

215	FACULTY OF ENGINEERING & TECHNOLOGY, R. B. S. COLLEGE, AGRA	73,840.00
216	FAKIR MOHAN UNIVERSITY, BALASOURE	89,171.00
217	FERGUSSON COLLEGE, PUNE	76,491.00
218	FET-MITS, MODY INSTITUTE OF TECHNOLOGY AND SCIENCE, SIKAR (G)	3,30,000.00
219	GALGOTIA UNIVERSITY, GAUTAM BUDDHA NAGAR (G)	5,02,528.00
220	GARGI COLLEGE, NEW DELHI	3,00,000.00
221	GAUTAM BUDDHA UNIVERSITY, GREATER NOIDA (G)	5,58,291.00
222	G.B. PANT HOSPITAL, DELHI	3,50,496.00
223	G.B. PANT INSTITUTE OF HIMALAYAN ENVIRONMENT & DEVELOPMENT, ALMORA	2,65,427.00
224	GB PANT UNIVERSITY OF AGRICULTURE & TECHNOLOGY, PANTNAGAR	47,902.00
225	GEOLOGICAL SOCIETY OF INDIA, BANGALORE	4,83,000.00
226	GEOLOGICAL SURVEY OF INDIA, LUCKNOW (G)	5,00,000.00
227	GITAM UNIVERSITY, VISAKHAPATNAM	15,96,123.00
228	GLOBAL HYDROGEOLOGICAL SOLUTIONS, NEW DELHI	6,50,000.00
229	GLOBAL INSTITUTE OF TECHNOLOGY, JAIPUR	75,000.00
230	GMR INSTITUTE OF TECHNOLOGY, RAJAM	1,47,787.00
231	GOA UNIVERSITY, GOA	1,00,000.00
232	GOKARAJU RANGARAJU COLLEGE OF PHARMACY, HYDERABAD	2,00,000.00
233	GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING AND TECHNOLOGY, HYDERABAD	1,25,000.00
234	GOPAL KRISHNA GOKHLE COLLEGE, KOLHAPUR	3,43,915.00
235	GOVERNMENT ARTS & COMMERCE POST GRADUATE COLLEGE, HARDA	75,252.00
236	GOVERNMENT COLLEGE RHENOCK, SIKKIM (G)	2,23,000.00
237	GOVERNMENT DEGREE COLLEGE SANJAULI, SHIMLA	47,622.00
238	GOVERNMENT ENGINEERING COLLEGE, AJMER	1,62,330.00
239	GOVERNMENT ENGINEERING COLLEGE, THRISSUR	75,000.00
240	GOVERNMENT MEDICAL COLLEGE & HOSPITAL, CHANDIGARH	38,678.00



Science and Engineering Research Board

Expenditure on Grants, Subsidies etc.

Grants in Aid (General)

241	GOVERNMENT MEDICAL COLLEGE, SRINAGAR	52,795.00
242	GOVERNMENT P.G.COLLEGE, SIROHI	2,00,000.00
243	GOVERNMENT POLYTECHNIC, AMRAWATI	27,902.00
244	GOVINDRAM SEKSARIA SCIENCE COLLEGE(GOVT.AIDED COLLEGE), BELGAUM	3,00,000.00
245	GOVT. COLLEGE OF ENGINEERING & TECHNOLOGY, BIKANER	1,25,000.00
246	GOVT. DUNGAR COLLEGE, BIKANER	1,00,000.00
247	GOVT.ENGINEERING COLLEGE, BIKANER	50,000.00
248	GOVT. HOLKAR SCIENCE COLLEGE, INDORE	50,000.00
249	GRANT MEDICAL COLLEGE, MUMBAI	63,537.00
250	GRAPHIC ERA UNIVERSTIY, DEHRADUN (G)	4,25,240.00
251	GREEN CHEMISTRY FOUNDATION, MUMBAI	2,50,000.00
252	GREEN INSTITUTE FOR RESEARCH & DEVELOPMENT, NEW DELHI	50,000.00
253	GUJARAT INSTITUTE OF DESERT ECOLOGY, KACHCHH	1,50,000.00
254	GUJARAT UNIVERSITY, AHMEDABAD	1,28,750.00
255	GULBARGA UNIVERSITY, GULBARGA (G)	6,15,000.00
256	GURU ANGAD DEV VETERINARY & ANIMAL SCIENCE UNIVERSITY, LUDHIANA	71,646.00
257	GURU GOVIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI (G)	15,95,000.00
258	GURUKULA KANGRI UNIVERSITY, HARIDWAR	2,04,714.00
259	GURU NANAK COLLEGE, CHENNAI	50,000.00
260	GURU NANAK COLLEGE OF PHARMACY, NAGPUR	50,000.00
261	GURU NANAK DEV ENGINEERING COLLEGE, LUDHIANA (G)	3,26,726.00
262	GURU NANAK DEV UNIVERSITY, AMRITSAR	11,20,753.00
263	GUWAHATI UNIVERSITY, GUWAHATI	4,06,836.00
264	HALDIA INSTITUTE OF TECHNOLOGY, MIDNAPORE (G)	7,90,000.00
265	HAPPY STARS EDUCATIONAL WELFARE SOCIETY, DELHI	45,000.00
266	HARCOURT BUTLER TECHNOLOGICAL INSTITUTE, KANPUR	3,26,107.00
267	HARYANA COLLEGE OF TECHNOLGY & MANAGEMENT, KAITHAL	47,547.00
268	HEMCHANDRACHARYA NORTH GUJARAT UNIVERSITY, PATAN	75,758.00

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc.

Grants in Aid (General)

269	HEMWATI NANDAN BAHUGUNA GARHWAL UNIVERSITY, SRINAGAR	2,46,462.00
270	HH THE RAJAH'S COLLEGE, PUDUKOTTAI (G)	1,00,000.00
271	HIGH ENERGY MATERIALS RESEARCH LABORATORY, PUNE	24,300.00
272	HIMACHAL PRADESH UNIVERSITY, SHIMLA	11,57,988.00
273	HINDUSTAN COLLEGE OF SCIENCE & TECHNOLOGY, MATHURA (G)	5,80,359.00
274	HI TECH HORTICULTURAL SOCIETY, MEERUT	1,00,000.00
275	HLL LIFE CARE LIMITED, THIRUVANANTHAPURAM (G)	5,15,400.00
276	HMS RESEARCH CENTRE(PRIVATE), TUMKUR	3,00,000.00
277	HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE, HOOGHLY (G)	3,16,569.00
278	HOOGHLY MOHSIN COLLEGE, HOOGHLY (G)	8,90,000.00
279	HYDERABAD EYE RESEARCH FOUNDATION, HYDERABAD	3,50,000.00
280	ICAR UNIT-NCIPM, NEW DELHI	2,85,212.00
281	ICFAI UNIVERSITY, DEHRADUN	99,145.00
282	IIS UNIVERSITY, JAIPUR	6,00,000.00
283	INDIAN ACADEMY OF SOCIAL SCIENCES, ALLAHABAD	1,00,000.00
284	INDIAN AEROBIOLOGY SOCIETY, NEW DELHI	60,000.00
285	INDIAN AGRICULTURAL RESEARCH INSTITUTE, NEW DELHI (G)	30,44,112.00
286	INDIAN ASSOCIATION FOR THE ADVANCEMENT OF VETERINARY RESEARCH, BAREILLY	75,000.00
287	INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE, KOLKATA (G)	87,43,286.00
288	INDIAN ASSOCIATION OF HYDROLOGISTS, ROORKEE	75,000.00
289	INDIAN ASSOCIATION OF MEDICAL MICROBIOLOGISTS (IAMM), NEW DELHI	40,000.00
290	INDIAN COUNCIL OF MEDICAL RESEARCH, NEW DELHI	1,50,000.00
291	INDIAN CRYOGENICS COUNCIL, NEW DELHI	1,50,000.00
292	INDIAN ENVIRONMENTAL SOCIETY, DELHI	75,000.00
293	INDIAN GEOLOGICAL CONGRESS, ROORKEE	1,25,000.00
294	INDIAN GEOPHYSICAL UNION, HYDERABAD	1,00,000.00
295	INDIAN INSTITTUTE OF INFORMATION TECHNOLOGY,	



Science and Engineering Research Board

Expenditure on Grants, Subsidies etc.
Grants in Aid (General)

	<i>DESIGN AND MANUFACTURING(IIITD&M), CHENNAI</i>	2,00,000.00
296	<i>INDIAN INSTITUTE OF ASTROPHYSICS, BANGALORE</i>	2,83,590.00
297	<i>INDIAN INSTITUTE OF CHEMICAL BIOLOGY, KOLKATA</i>	17,62,812.00
298	<i>INDIAN INSTITUTE OF CHEMICAL TECHNOLOGY, HYDERABAD (G)</i>	1,09,49,515.00
299	<i>INDIAN INSTITUTE OF DIABETES, TRIVANDRUM</i>	68,467.00
300	<i>INDIAN INSTITUTE OF GEOMAGNETISM, NAVI MUMBAI</i>	2,69,327.00
301	<i>INDIAN INSTITUTE OF INFORMATION TECHNOLOGY(IIIT), ALLAHABAD</i>	1,90,000.00
302	<i>INDIAN INSTITUTE OF INTEGRATIVE MEDICINE, JAMMU TAWI</i>	13,28,795.00
303	<i>INDIAN INSTITUTE OF MANAGEMENT, BANGALORE</i>	15,00,000.00
304	<i>INDIAN INSTITUTE OF METALS, HYDERABAD</i>	3,00,000.00
305	<i>INDIAN INSTITUTE OF PETROLEUM, DEHRADUN</i>	3,70,914.00
306	<i>INDIAN INSTITUTE OF SCIENCE, BANGALORE (G)</i>	7,07,50,192.00
307	<i>INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, BHOPAL (G)</i>	48,90,482.00
308	<i>INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, PUNE (G)</i>	54,99,178.00
309	<i>INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, THIRUVANANTHAPURAM (G)</i>	7,51,407.00
310	<i>INDIAN INSTITUTE OF SCIENCE EDUCATION & RESEARCH, KOLKATA</i>	50,47,278.00
311	<i>INDIAN INSTITUTE OF SCIENCE EDUCATION & RESEARCH, MOHALI, CHANDIGARH (G)</i>	49,13,936.00
312	<i>INDIAN INSTITUTE OF SOCIAL WELFARE & BUSINESS MANAGEMENT, KOLKATA</i>	1,60,000.00
313	<i>INDIAN INSTITUTE OF STATISTICS, KOLKATA</i>	90,814.00
314	<i>INDIAN INSTITUTE OF TECHNOLOGY, BHUBANESWAR (G)</i>	14,30,000.00
315	<i>INDIAN INSTITUTE OF TECHNOLOGY, CHENNAI (G)</i>	3,04,63,543.00
316	<i>INDIAN INSTITUTE OF TECHNOLOGY, DELHI (G)</i>	2,13,04,844.00
317	<i>INDIAN INSTITUTE OF TECHNOLOGY, GANDHINAGAR, AHMEDABAD</i>	12,91,942.00
318	<i>INDIAN INSTITUTE OF TECHNOLOGY, GUWAHATI (G)</i>	76,46,274.00
319	<i>INDIAN INSTITUTE OF TECHNOLOGY, HYDERABAD (G)</i>	22,21,140.00

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc.

Grants in Aid (General)

320	INDIAN INSTITUTE OF TECHNOLOGY, INDORE (G)	9,30,000.00
321	INDIAN INSTITUTE OF TECHNOLOGY, KANPUR (G)	2,79,25,418.00
322	INDIAN INSTITUTE OF TECHNOLOGY, KHARAGPUR (G)	1,66,21,233.00
323	INDIAN INSTITUTE OF TECHNOLOGY, MUMBAI (G)	2,94,18,607.00
324	INDIAN INSTITUTE OF TECHNOLOGY, PATNA (G)	15,95,000.00
325	INDIAN INSTITUTE OF TECHNOLOGY RAJASTHAN, RATANADA , JODHPUR (G)	6,50,000.00
326	INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE (G)	31,84,036.00
327	INDIAN INSTITUTE OF TECHNOLOGY ROPAR, RUPNAGAR (G)	13,39,000.00
328	INDIAN INSTITUTE OF TOXICOLOGY RESEARCH CENTRE, LUCKNOW	21,36,639.00
329	INDIAN INSTITUTE OF TROPICAL METEROLOGY, PUNE	4,06,039.00
330	INDIAN INSTITUTE OF VEGETABLE RESEARCH, VARANASI	2,14,991.00
331	INDIAN NATIONAL SCIENCE ACADEMY, NEW DELHI	6,266.00
332	INDIAN NITROGEN GROUP OF SOCIETY FOR CONSERVATION OF NATURE, NEW DELHI	1,00,000.00
333	INDIAN NUCLEAR SOCIETY, HYDERABAD	2,50,000.00
334	INDIAN PHYTOPATHOLOGICAL SOCIETY, NEW DELHI	1,00,000.00
335	INDIAN PHYTOPATHOLOGICAL SOCIETY (NZ), PALAMPUR	50,000.00
336	INDIAN SCHOOL OF MINES, DHANBAD	17,09,846.00
337	INDIAN SOCIETY FOR SHEEP & GOAT PRODUCTION & UTILIZATION, AVIKANAGAR	75,000.00
338	INDIAN SOCIETY OF AGRICULTURAL BIOCHEMISTRY, KANPUR	50,000.00
339	INDIAN SOCIETY OF ANALYTICAL SCIENTISTS, NORTH KALAMASSERY	75,000.00
340	INDIAN SOCIETY OF MATHEMATICS AND MATEMATICAL SCIENCES, GORAKHPUR	78,665.00
341	INDIAN STATISTICAL INSTITUTE, BANGALORE	2,50,000.00
342	INDIAN STATISTICAL INSTITUTE, CHENNAI	2,00,000.00
343	INDIAN STATISTICAL INSTITUTE, KOLKATA	17,33,104.00
344	INDIAN VACUUM SOCIETY, MUMBAI	1,00,000.00
345	INDIAN VETERINARY RESEARCH INSTITUTE, BAREILLY	3,50,596.00
346	INDIAN VIROLOGICAL SOCIETY, NEW DELHI	2,00,000.00
347	INDIRA GANDHI CENTRE FOR ATOMIC RESEARCH, KALAPAKKAM	26,14,836.00



Science and Engineering Research Board

Expenditure on Grants, Subsidies etc.

Grants in Aid (General)

348	INDIRA GANDHI INSTITUTE OF TECHNOLOGY, SARANG (G)	5,39,400.00
349	INDIRA GANDHI(SR.) COLLEGE, NANDED	47,457.00
350	INDO-US SCIENCE AND TECHNOLOGY FORUM, NEW DELHI	2,31,326.00
351	INDRAPRASTHA INSTITUTE OF INFORMATION TECHNOLOGY(IIT), NEW DELHI (G)	4,17,100.00
352	INDUKANA IPCOWALA COLLEGE OF PHARMACY, NEW VALLABH VIDYANAGAR	48,530.00
353	INDUSTRIAL TOXICOLOGY RESEARCH CENTRE, LUCKNOW	3,00,000.00
354	INSTITUTE OF ADVANCED STUDY IN SCIENCE AND TECHNOLOGY, GUWAHATI	7,39,829.00
355	INSTITUTE OF ADVANCE TECHNOLOGY & ENVIRONMENTAL STUDIES, BHUBANESWAR	75,000.00
356	INSTITUTE OF ALLIED SCIENCES AND COMPUTER APPLICATION, GWALIOR	1,25,000.00
357	INSTITUTE OF BIOINFORMATICS AND APPLIED BIOTECHNOLOGY, BANGALORE	50,000.00
358	INSTITUTE OF CHEMICAL TECHNOLOGY, MUMBAI	22,77,527.00
359	INSTITUTE OF FORENSIC SCIENCE, MUMBAI	75,000.00
360	INSTITUTE OF FOREST GENETICS & TREE BREEDING, COIMBATORE	2,65,656.00
361	INSTITUTE OF FOREST PRODUCTIVITY, RANCHI	42,140.00
362	INSTITUTE OF GENOMICS & INTEGRATIVE BIOLOGY, NEW DELHI	24,33,369.00
363	INSTITUTE OF HIMALAYAN BIORESOURCE TECHNOLOGY, PALAMPUR	7,81,651.00
364	INSTITUTE OF INDIAN FOUNDRYMEN, NEW DELHI	2,75,000.00
365	INSTITUTE OF LIFE SCIENCES, BHUBANESWAR	3,98,070.00
366	INSTITUTE OF LIFE SCIENCES, HYDERABAD	38,25,000.00
367	INSTITUTE OF LIVER & BILLIARY SCIENCES, NEW DELHI	51,420.00
368	INSTITUTE OF MACROMOLECULAR SCIENCE AND ENGINEERING, KOTTAYAM	2,00,000.00
369	INSTITUTE OF MATHEMATICAL SCIENCES, CHENNAI (G)	4,30,000.00
370	INSTITUTE OF MICROBIAL TECHNOLOGY, CHANDIGARH	19,58,849.00
371	INSTITUTE OF MINERALS AND MATERIALS TECHNOLOGY, BHUBANESWAR (G)	7,53,828.00

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc.

Grants in Aid (General)

372	<i>INSTITUTE OF MOLECULAR MEDICINE, KOLKATA (G)</i>	13,48,738.00
373	<i>INSTITUTE OF NUCLEAR MEDICINE & ALLIED SCIENCES, DELHI</i>	62,301.00
374	<i>INSTITUTE OF PHYSICS , BHUBANESWAR</i>	3,00,000.00
375	<i>INSTITUTE OF PLASMA RESEARCH, GANDHINAGAR</i>	1,06,872.00
376	<i>INSTITUTE OF POST GRADUATE MEDICAL EDUCATION & RESEARCH, KOLKATA</i>	3,23,843.00
377	<i>INSTITUTE OF VETERINARY BIOLOGICAL, LUCKNOW</i>	72,986.00
378	<i>INSTITUTE OF WOOD SCIENCE & TECHNOLOGY, BANGALORE (G)</i>	4,07,000.00
379	<i>INTEGRAL UNIVERSITY, LUCKNOW</i>	89,670.00
380	<i>INTERACTIVE RESEARCH SCHOOL FOR HEALTH AFFAIRS, BHARATI VIDYAPEETH UNIVERSITY, PUNE (G)</i>	14,40,000.00
381	<i>INTERNATIONAL ADVANCED RESEARCH CENTRE FOR POWDER METALLURGY & NEW MATERIALS (ACRI), HYDERABAD (G)</i>	1,63,00,000.00
382	<i>INTERNATIONAL CENTRE FOR GENETICS ENGINEERING & BIOTECHNOLOGY, NEW DELHI</i>	9,09,355.00
383	<i>INTERNATIONAL CROPS RESEARCH INSTITUTE FOR THE SEMI-ARID TROPICS(ICRISAT), PATANCHERU</i>	1,49,383.00
384	<i>INTERNATIONAL DEVELOPMENT CENTRE FOUNDATION, NEW DELHI</i>	75,000.00
385	<i>INTERNATIONAL INSTITUTE OF INFORMATION TECHNOLOGY, BHUBANESWAR</i>	3,75,000.00
386	<i>INTERNATIONAL INSTITUTE OF INFORMATION TECHNOLOGY, HYDERABD (G)</i>	13,38,818.00
387	<i>INTERNATIONAL INSTITUTE OF STRESS MANAGEMENT AND ALLIED SCIENCES, NEW DELHI</i>	1,25,000.00
388	<i>INTERNATIONAL MEDICAL SCIENCES ACADEMY, NEW DELHI</i>	75,000.00
389	<i>INTERNATIONAL SOCIETY FOR TROPICAL ECOLOGY, VARANASI</i>	50,000.00
390	<i>INTERNATIONAL SOCIETY OF AUTOMATION (ISA), DELHI SECTION, NOIDA</i>	1,50,000.00
391	<i>INTER UNIVERSITY ACCELERATOR CENTRE, NEW DELHI</i>	83,14,002.00
392	<i>ITM UNIVERSITY, GURGAON</i>	4,31,924.00



Science and Engineering Research Board

Expenditure on Grants, Subsidies etc.

Grants in Aid (General)

393	ITS ENGINEERING COLLEGE, GREATER NOIDA	50,000.00
394	JADAVPUR UNIVERSITY, KOLKATA (G)	61,21,436.00
395	JAI NARAIN VYAS UNIVERSITY, JODHPUR (G)	12,83,000.00
396	JAIN UNIVERSITY, BANGALORE	68,843.00
397	JAIPUR ENGINEERING COLLEGE, JAIPUR	50,000.00
398	JAIPUR NATIONAL UNIVERSITY, JAIPUR	50,000.00
399	JAMIA HAMDARD (HAMDARD UNIVERSITY), NEW DELHI (G)	26,29,926.00
400	JAMIA MILLIA ISLAMIA, NEW DELHI	7,66,601.00
401	JAWAHAR LAL INSTITUTE OF POST GRADUATE MEDICAL EDUCATION & RESEARCH, PONDICHERRY	1,75,977.00
402	JAWAHARLAL NEHRU CENTRE FOR ADVANCED SCIENTIFIC RESEARCH, BANGALORE	1,16,12,201.00
403	JAWAHARLAL NEHRU INSTITUTE OF ADVANCED STUDIES, HYDERABAD	1,00,000.00
404	JAWAHARLAL NEHRU MEDICAL COLLEGE, WARDHA	71,243.00
405	JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD	19,592.00
406	JAWAHARLAL NEHRU UNIVERSITY, NEW DELHI (G)	76,70,533.00
407	JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY, NOIDA	3,55,000.00
408	JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, SOLAN	5,95,687.00
409	JD COLLEGE OF ENGINEERING, NAGPUR	93,646.00
410	JEET EDUCATIONAL AND WELFARE SOCIETY, MORENA	50,000.00
411	JIS COLLEGE OF ENGINEERING, NADIA (G)	80,000.00
412	JIWAJI UNIVERSITY, GWALIOR	2,04,518.00
413	JOGESH CHANDRA CHAUDHURI COLLEGE, KOLKATA	50,402.00
414	JSS ACADEMY OF TECHNICAL EDUCATION, NOIDA	1,14,483.00
415	JSS COLLEGE OF PHARMACY, MYSORE (G)	3,90,000.00
416	JYOTI MAHILA SAMAJ SEVA KENDRA, JAUNPUR	50,000.00
417	KAKATIYA UNIVERSITY, WARANGAL (G)	15,25,665.00
418	KALASALINGAM UNIVERSITY, KRISHNANKOIL	7,76,010.00
419	KALINDI COLLEGE, NEW DELHI	27,475.00
420	KALINGA INSTITUTE OF MEDICAL SCIENCES, BHUBANESWAR	40,446.00
421	KAMALA NEHRU MAHAVIDYALA, NAGPUR	50,000.00
422	KANNUR UNIVERSITY, THALASSERY	1,70,507.00

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc.

Grants in Aid (General)

423	KARIMGANJ COLLEGE, KARIMGANJ	93,490.00
424	KARNATAKA STATE COUNCIL OF SCIENCE AND TECHNOLOGY, BANGALORE	9,00,000.00
425	KARNATAKA STATE REMOTE SENSING APPLICATIONS CENTRE, BANGALORE	1,00,000.00
426	KARNATAKA UNIVERSITY, DHARWAD (G)	7,78,802.00
427	KARPAGAM UNIVERSTIY, COIMBATORE	1,80,447.00
428	KARUNYA UNIVERSITY, COIMBATORE (G)	7,88,690.00
429	KASTURBA MEDICAL COLLEGE, MANGALORE	1,98,728.00
430	KERALA FOREST RESEARCH INSTITUTE, THRISSUR	32,188.00
431	K.G.K.(P.G.) COLLEGE, MORADABAD	5,60,000.00
432	KHARAGPUR COLLEGE, KHARAGPUR (G)	4,50,000.00
433	KIDWAI MEMORIAL INSTITUTE OF ONCOLOGY, BANGALORE	74,624.00
434	KIIT UNIVERSITY, BHUBNESHWAR	4,38,793.00
435	KISAN SEWA SANSTHAN, BANKATI, BASTI	40,000.00
436	K L E F UNIVERSITY, VADDESWAREM (G)	3,46,000.00
437	KLS'S VISHWANATHRAO DESHPANDE RURAL INSTITUTE OF TECHNOLOGY, UTTAR KANNADA	77,463.00
438	K.L. UNIVERSITY, VADDESWAREM	41,190.00
439	K.M. KUNDNANI COLLEGE OF PHARMACY, MUMBAI	2,399.00
440	KONERU LAKSHMAIAH COLLEGE OF ENGINEERING, GUNTUR	2,50,000.00
441	KONGU ENGINEERING COLLEGE, PERUNDURAI	30,000.00
442	KRISHNA INSTITUTE OF ENGINEERING AND TECHNOLOGY, MEERUT	45,000.00
443	K. S. RANGASAMY COLLEGE OF TECHNOLOGY, NAMAKKAL	47,824.00
444	KUMAON UNIVERSITY, NAINITAL (G)	9,65,791.00
445	KUMARAGURU COLLEGE OF TECHNOLOGY, COIMBATORE	39,778.00
446	KURUKSHETRA UNIVERSITY, KURUKSHETRA	7,80,020.00
447	KUVEMPU UNIVERSITY, SHIMOGA	9,31,547.00
448	LADY HARDINGE MEDICAL COLLEGE, NEW DELHI	1,48,075.00
449	LADY HARDINGE MEDICAL COLLEGE & SMT. SUCHETA KRIPLANI HOSPITAL, NEW DELHI	1,78,884.00
450	LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING, MYLAVARAM	1,50,000.00
451	LAL BHADUR SHASTRI COLLEGE OF PHARMACY, JAIPUR (G)	3,62,000.00



Science and Engineering Research Board

Expenditure on Grants, Subsidies etc.

Grants in Aid (General)

452	<i>LAL BAHADUR SHASTRI MAHAVIDYALAYA, DHARMABAD</i>	90,163.00
453	<i>LARSEN AND TOUBRO MICROBIOLOGY RESEARCH CENTRE, CHENNAI</i>	1,00,000.00
454	<i>LDRP INSTITUTE OF TECHNOLOGY AND RESEARCH, GANDHINAGAR</i>	73,980.00
455	<i>LEARNING IN GEOGRAPHY, HUMANITIES, TECHNOLOGY AND SCIENCE, NEW DELHI</i>	1,00,000.00
456	<i>LINGAYA'S UNIVERSITY, FARIDABAD</i>	75,000.00
457	<i>LNM INSTITUTE OF INFORMATION TECHNOLOGY, JAIPUR</i>	3,37,691.00
458	<i>LOK NAYAK HOSPITAL, NEW DELHI</i>	60,057.00
459	<i>LOYOLA COLLEGE, CHENNAI (G)</i>	14,89,651.00
460	<i>LUCKNOW UNIVERSITY (G)</i>	50,84,713.00
461	<i>L.V. PRASAD EYE INSTITUTE, HYDERABAD</i>	1,04,647.00
462	<i>MADHAV INSTITUTE OF TECHNOLOGY AND SCIENCE GWALIOR</i>	2,80,000.00
463	<i>MADURAI KAMARAJ UNIVERSITY, MADURAI (G)</i>	16,45,632.00
464	<i>MAHANAND MISSION HARIJAN COLLEGE, GHAZIABAD (G)</i>	4,25,000.00
465	<i>MAHARAJA AGRASEN INSTITUTE OF TECHNOLOGY, DELHI</i>	50,000.00
466	<i>MAHARANA PRATAP UNIVERSITY OF AGRICULTURE & TECHNOLOGY, UDAIPUR (G)</i>	11,27,144.00
467	<i>MAHARASHI DAYANAND UNIVERSITY, ROHTAK</i>	86,568.00
468	<i>MAHARASHTRA ACADEMY OF ENGINEERING, PUNE</i>	2,00,000.00
469	<i>MAHARASHTRA ANIMAL AND FISHERIES SCIENCES UNIVERSITY, NAGPUR (G)</i>	19,96,000.00
470	<i>MAHARISHI MARKANDESHWAR UNIVERSITY, MULLANA</i>	5,71,853.00
471	<i>MAHATMA GANDHI UNIVERSITY, KOTTAYAM (G)</i>	8,66,000.00
472	<i>MAHATMA PHULE MAHAVIDYALAYA, PUNE</i>	81,012.00
473	<i>MALABAR BOTANICAL GARDENS, GURUVAYURAPPAN COLLEGE P.O., CALICUT</i>	4,83,000.00
474	<i>MANAV RACHNA INTERNATIONAL UNIVERSITY, FARIDABAD</i>	93,498.00
475	<i>MANGALORE UNIVERSITY, MANGALAGANGOTRI, DAKSHINA KANNADA (G)</i>	4,00,000.00
476	<i>MANIPAL COLLEGE OF ALLIED HEALTH SCIENCE, MANIPAL</i>	90,943.00
477	<i>MANIPAL COLLEGE OF DENTAL SCIENCES, MANGALORE</i>	36,030.00

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc.

Grants in Aid (General)

478	MANIPAL COLLEGE OF PHARMACEUTICAL SCIENCES, MANIPAL	86,868.00
479	MANIPAL HOSPITAL, BANGALORE	65,677.00
480	MANIPAL INSTITUTE OF TECHNOLOGY, MANIPAL	50,000.00
481	MANIPAL UNIVERSITY, BANGALORE	5,80,000.00
482	MANIPAL UNIVERSITY, KASTURBA MEDICAL COLLEGE, MANIPAL	11,00,000.00
483	MANIPAL UNIVERSITY, MANIPAL (G)	3,20,000.00
484	MANIPUR UNIVERSITY, IMPHAL	1,00,000.00
485	MANONMANIAM SUNDARANAR UNIVERSITY, TIRUNELVELI (G)	5,91,348.00
486	MANOVIKAS KENDRA REHABILITATION & RESEARCH INSTITUTE FOR THE HANDICAPPED, KOLKATA	52,432.00
487	MAR ATHANASIOS COLLEGE(P.O), KOTHAMANGALAM	3,80,000.00
488	MARATHWADA INSTITUTE OF TECHNOLOGY, AURANGABAD	1,53,930.00
489	MAR BASELIOS COLLEGE OF ENGINEERING & TECHNOLOGY, THIRUVANANTHAPURAM	50,000.00
490	MAR IVANIOS COLLEGE, TRIVANDRUM	63,085.00
491	MARTHANDAM COLLEGE OF ENGINEERING & TECHNOLOGY, KANYAKUMARI	33,989.00
492	MAR THOMA COLLEGE, TIRUVALLA	29,619.00
493	MARY MATHA ARTS AND SCIENCE COLLEGE, MANANTHAVADY	75,000.00
494	MAULANA AZAD MEDICAL COLLEGE, NEW DELHI	7,10,280.00
495	MAULANA AZAD NATIONAL INSTITUTE OF TECHNOLOGY, BHOPAL	1,21,296.00
496	M.D.UNIVERSITY, ROHTAK	1,09,660.00
497	MEERUT COLLEGE, MEERUT	54,207.00
498	MERI-COLLEGE OF ENGINEERING & TECHNOLOGY, ASANDA, HARYANA	50,000.00
499	METROLOGY SOCIETY OF INDIA, NEW DELHI	1,00,000.00
500	MILIND COLLEGE OF SCIENCE, AURANGABAD	4,00,000.00
501	MILLIYA ARTS, SCIENCE AND MANAGEMENT SCIENCE COLLEGE, BEED (G)	3,50,000.00
502	MIZORAM UNIVERSITY, AIZWAL	35,73,537.00



Science and Engineering Research Board

Expenditure on Grants, Subsidies etc.

Grants in Aid (General)

503	MJP ROHILKHAND UNIVERSITY, BAREILLY	2,40,742.00
504	MLR INSTITUTE OF PHARMACY, HYDERABAD	75,000.00
505	M M COLLEGE OF DENTAL SCIENCE & RESEARCH, AMBALA	26,417.00
506	M.M. INSTITUTE OF MEDICAL SCIENCE & RESEARCH, AMBALA	68,885.00
507	MODEL INSTITUTE OF ENGINEERING & TECHNOLOGY, JAMMU	33,840.00
508	MODY INSTITUTE OF TECHNOLOGY & SCIENCE, SIKAR	3,92,005.00
509	MOTHER TERESA WOMEN UNIVERSITY, KODAIKANAL (G)	2,59,708.00
510	MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY, ALLAHABAD	20,83,867.00
511	M. S. RAMAIAH INSTITUTE OF TECHNOLOGY, BANGALORE	5,75,000.00
512	M S RAMAIAH MEDICAL COLLEGE, BANGALORE	3,00,000.00
513	M.S.RAMIAH SCHOOL OF ADVANCED STUDIES, BANGALORE	2,50,000.00
514	M. S. SWAMINATHAN RESEARCH FOUNDATION, CHENNAI	3,58,946.00
515	M.S. UNIVERSITY OF BARODA, VADODARA (G)	20,54,173.00
516	MUMBAI VETERINARY COLLEGE, MUMBAI	1,16,117.00
517	M.V.R.DEGREE & PG COLLEGE, VISAKHAPATNAM	90,000.00
518	NAGPUR VETERINARY COLLEGE, NAGPUR	4,50,000.00
519	NAGRIK SHIKSHA SAMITI, NEW DELHI	1,70,000.00
520	NALANDA COLLEGE, NALANDA	50,000.00
521	NALLAMUTHU GOUNDER MAHALINGAM COLLEGE, POLLACHI	60,000.00
522	NARULA INSTITUTE OF TECHNOLOGY, KOLKATA	76,570.00
523	NATIONAL ACADEMY OF BURNS, NEW DELHI	1,00,000.00
524	NATIONAL ACADEMY OF CHEMISTRY AND BIOLOGY, LUCKNOW	50,000.00
525	NATIONAL AEROSPACE LABORATORIES, BANGALORE	2,47,605.00
526	NATIONAL BIOMEDICAL RESEARCH INSTITUTE, LUCKNOW	84,978.00
527	NATIONAL BOTANICAL RESEARCH INSTITUTE, LUCKNOW	10,80,000.00
528	NATIONAL CENTRE FOR ANTARCTIC & OCEAN RESEARCH, VASCO-DA-GAMA, GOA (G)	7,74,202.00
529	NATIONAL CENTRE FOR BIOLOGICAL SCIENCES, BANGALORE	75,18,390.00
530	NATIONAL CENTRE FOR BIOMEDICAL SCIENCE, TIFR, BANGALORE	61,101.00

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc.

Grants in Aid (General)

531	NATIONAL CENTRE FOR RADIO ASTROPHYSICS, TIFR, NCRA, PUNE	6,00,000.00
532	NATIONAL CHEMICAL LABORATORY, PUNE (G)	1,18,25,919.00
533	NATIONAL DAIRY RESEARCH INSTITUTE, KARNAL	7,83,787.00
534	NATIONAL ENGINEERING COLLEGE, KOVILPATTI	1,00,000.00
535	NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR	82,060.00
536	NATIONAL GEOPHYSICAL RESEARCH INSTITUTE, HYDERABAD (G)	65,40,275.00
537	NATIONAL INSTITUTE FOR INTERDISCIPLINARY SCIENCE & TECHNOLOGY, CSIR, THIRUVANANTHAPURAM	42,50,400.00
538	NATIONAL INSTITUTE FOR RESEARCH IN REPRODUCTIVE HEALTH, MUMBAI	12,54,535.00
539	NATIONAL INSTITUTE OF ADVANCED STUDIES, BANGALORE	50,00,000.00
540	NATIONAL INSTITUTE OF BIOMEDICAL GENOMICS, KALYANI (G)	5,65,000.00
541	NATIONAL INSTITUTE OF CHOLERA & ENTERIC DISEASES, KOLKATA	1,48,090.00
542	NATIONAL INSTITUTE OF ENGINEERING, MYSORE	33,434.00
543	NATIONAL INSTITUTE OF IMMUNOLOGY, NEW DELHI (G)	30,04,542.00
544	NATIONAL INSTITUTE OF MALARIA RESEARCH, NEW DELHI	69,389.00
545	NATIONAL INSTITUTE OF MEDICAL STATISTICS, NEW DELHI	63,230.00
546	NATIONAL INSTITUTE OF MENTAL HEALTH AND NEUROSCIENCES (NIMHANS), BANGALORE	18,51,791.00
547	NATIONAL INSTITUTE OF NUTRITION, HYDERABAD	19,07,118.00
548	NATIONAL INSTITUTE OF OCCUPATIONAL HEALTH(NIOH), AHMEDABAD	8,50,000.00
549	NATIONAL INSTITUTE OF OCEANOGRAPHY, GOA (G)	40,96,861.00
550	NATIONAL INSTITUTE OF OCEANOGRAPHY, KOCHI	10,00,000.00
551	NATIONAL INSTITUTE OF PHARMACEUTICALS EDUCATION & RESEARCH (NIPER), PUNJAB	31,67,008.00
552	NATIONAL INSTITUTE OF PLANT GENOME RESEARCH, NEW DELHI (G)	19,47,270.00
553	NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, BHUBANESWAR (G)	27,45,600.00

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc.

Grants in Aid (General)

554	NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH, KOLKATA	1,17,800.00
555	NATIONAL INSTITUTE OF TECHNOLOGY, CALICUT	10,99,868.00
556	NATIONAL INSTITUTE OF TECHNOLOGY, DURGAPUR (G)	31,86,000.00
557	NATIONAL INSTITUTE OF TECHNOLOGY, HAMIRPUR, HP	4,91,966.00
558	NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL (G)	5,39,928.00
559	NATIONAL INSTITUTE OF TECHNOLOGY, KURUKSHTRA	5,97,050.00
560	NATIONAL INSTITUTE OF TECHNOLOGY, PATNA	85,909.00
561	NATIONAL INSTITUTE OF TECHNOLOGY, ROURKELA (G)	53,20,286.00
562	NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI (G)	29,35,133.00
563	NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL	75,000.00
564	NATIONAL INSTITUTE OF VIROLOGY, PUNE	4,00,000.00
565	NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR	5,57,441.00
566	NATIONAL PHYSICAL LABORATORY, NEW DELHI (G)	19,62,862.00
567	NATIONAL POWER TRAINING INSTITUTE, DURGAPUR	99,085.00
568	NATIONAL RESEARCH CENTRE ON MEAT, HYDERABAD (G)	5,15,836.00
569	NATURE CONSERVATION FOUNDATION, MYSORE (G)	4,00,000.00
570	NIRMALA COLLEGE, MUVATTUPUZHA	75,000.00
571	NIRMA UNIVERSITY, AHMEDABAD	3,46,335.00
572	NIZAM'S INSTITUTE OF MEDICAL SCIENCES, HYDERABAD	7,61,921.00
573	NIZAM COLLEGE, OSMANIA UNIVERSITY, HYDERABAD	1,50,000.00
574	NOIDA INSTITUTE OF ENGINEERING & TECHNOLOGY, GREATER NOIDA	1,01,580.00
575	NOORUL ISLAM CENTER OF HIGHER EDUCATION, KANYAKUMARI (G)	3,06,000.00
576	NOOTAN PHARMACY COLLEGE, VISNAGAR (G)	3,08,000.00
577	NORTH EASTERN HILL UNIVERSITY, SHILLONG	22,98,524.00
578	NORTH EASTERN REGIONAL INSTITUTE OF SCIENCE & TECHNOLOGY(NERIST), NIRJULI	2,70,000.00
579	NORTH-EAST INSTITUTE OF SCIENCE AND TECHNOLOGY, JORHAT (G)	14,16,312.00
580	NORTH MAHARASHTRA UNIVERSITY, JALGAON	1,33,817.00

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc.

Grants in Aid (General)

581	NORTH ORISSA UNIVERSITY, BARIPADA	19,00,000.00
582	NRI INSTITUTE OF RESEARCH & TECHNOLOGY, BHOPAL	28,749.00
583	NSS COLLEGE , MALAPPURAM (G)	4,16,000.00
584	N.S.S HINDU COLLEGE, CHANGANACHERRY (G)	4,52,204.00
585	NUTRITION SOCIETY OF INDIA, HYDERABAD	1,00,000.00
586	OSMANIA UNIVERSITY, HYDERABAD (G)	16,66,056.00
587	PACHAIYAPPA'S COLLEGE, CHENNAI	4,00,000.00
588	PACHHUNGA UNIVERSITY COLLEGE, AIZWAL	68,504.00
589	PALAMURU UNIVERSITY, MAHABUBNAGAR,AP (G)	3,33,000.00
590	PANDIT DEENDAYAL PETROLEUM UNIVERSITY, GANDHI NAGAR (G)	4,36,000.00
591	PARUL AROGYA SEVA MANDAL, VADODARA	1,97,786.00
592	PATNA UNIVERSITY, PATNA	74,875.00
593	P. B. R. VISVODAYA INSTITUTE OF TECHNOLOGY & SCIENCE, KAVALI	30,000.00
594	PERIYAR MANIAMMAI UNIVERSITY VALLAM, THANJAVUR	50,000.00
595	PERIYAR UNIVERSITY, SALEM	8,95,288.00
596	PHYSICAL RESEARCH LABORATORY, AHMEDABAD	72,51,769.00
597	PIRAMAL LIFE SCIENCES LIMITED, MUMBAI	38,369.00
598	PK INSTITUTE OF ENGINEERING & TECHNOLOGY, KARAIKAL	16,685.00
599	PONDICHERRY ENGINEERING COLLEGE, PUDUCHERRY	1,54,723.00
600	PONDICHERRY UNIVERSITY, PUDUCHERRY (G)	14,86,430.00
601	POORNAPRANJA INSTITUTE OF SCIENTIFIC RESEARCH, BANGALORE (G)	3,96,000.00
602	POSTGRADUATE INSTITUTE OF MEDICAL EDUCATION AND RESEARCH, CHANDIGARH (G)	64,02,683.00
603	PRESIDENCY UNIVERSITY, KOLKATA	1,00,000.00
604	PRIYADARSHINI COLLEGE OF ENGINEERING, NAGPUR	1,02,786.00
605	PSG COLLEGE OF PHARMACY, COIMBATORE	23,99,000.00
606	PSG COLLEGE OF TECHNOLOGY, COIMBATORE (G)	8,16,560.00
607	PSG INSTITUTE OF ADVANCE STUDIES COIMBATORE, COIMBATORE	42,35,000.00
608	PSGR KRISNAMMAL COLLEGE FOR WOMEN , COIMBATORE	50,000.00
609	PSN COLLEGE OF ENGINEERING & TECHNOLOGY, TIRUNELVELI	3,75,000.00

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc.
Grants in Aid (General)

610	<i>PT. DEEN DAYAL UPADYAY PASHU CHIKITSA VIGYAN VISHWAVIDYALAY EVAM GO ANUSANDHAN SANTHAN, MATHURA</i>	1,35,000.00
611	<i>PT. MADAN MOHAN MALVIYA HOSPITAL, NEW DELHI</i>	64,307.00
612	<i>PT. RAVISHANKAR SHUKLA UNIVERSITY, RAIPUR</i>	10,28,560.00
613	<i>PUBLIC HEALTH FOUNDATION OF INDIA, NEW DELHI</i>	1,63,814.00
614	<i>PUNE INSTITUTE OF COMPUTER TECHNOLOGY, PUNE</i>	1,00,000.00
615	<i>PUNJAB AGRICULTURAL UNIVERSITY, LUDHIANA</i>	6,63,828.00
616	<i>PUNJAB COLLEGE OF ENGINEERING & TECHNOLOGY, SAS NAGAR, MOHALI (G)</i>	1,90,000.00
617	<i>PUNJABI UNIVERSITY, PATIALA (G)</i>	9,11,579.00
618	<i>PUNJAB TECHNICAL UNIVERSITY, GIANI ZAIL SINGH CAMPUS, BATHINDA</i>	60,000.00
619	<i>PUNJAB TECHNICAL UNIVERSITY, KAPURTHALA (G)</i>	3,50,000.00
620	<i>PUNJAB UNIVERSITY, CHANDIGARH (G)</i>	58,22,873.00
621	<i>RADHAGOVINDA BARUAH COLLEGE, GUWAHATI</i>	98,258.00
622	<i>RAJA BALWANT SINGH (RBS) COLLEGE, AGRA</i>	45,321.00
623	<i>RAJALAKSHMI ENGINEERING COLLEGE, CHENNAI</i>	62,793.00
624	<i>RAJA PEARY MOHAN COLLEGE, HOOGHLY</i>	3,00,000.00
625	<i>RAJA RAMANNA CENTRE FOR ADVANCED TECHNOLOGY, INDORE</i>	14,60,518.00
626	<i>RAJASTHAN COLLEGE OF ENGINEERING FOR WOMEN, JAIPUR</i>	1,25,000.00
627	<i>RAJIV GANDHI CENTRE FOR BIOTECHNOLOGY, THIRUVANANTHAPURAM</i>	21,80,000.00
628	<i>RAJIV GANDHI UNIVERSITY, ITANAGAR</i>	1,00,000.00
629	<i>RAJIV GANDHI UNIVERSITY OF KNOWLEDGE TECHNOLOGIES, ADILABAD</i>	53,006.00
630	<i>RAMAKRISHNA MISSION RESIDENTIAL COLLEGE, KOLKATA</i>	64,293.00
631	<i>RAMAN RESEARCH INSTITUTE, BANGALORE</i>	53,460.00
632	<i>RANI DURGAVATI UNIVERSITY, JABALPUR</i>	74,934.00
633	<i>RASHTRIYA SANSKRIT VIDYAPEETH(DEEMED UNIVERSITY), TIRUPATI</i>	4,75,000.00
634	<i>RAVENSHAW UNIVERSITY, CUTTACK (G)</i>	11,48,766.00
635	<i>RAYAT BAHRA INSTITUTE OF ENGG. & NANO TECHNOLOGY,</i>	

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc.

Grants in Aid (General)

	50,000.00
HOSHIARPUR	
636 REGENT EDUCATION & RESEARCH FOUNDATION, KOLKATA	62,633.00
637 REGIONAL CENTRE FOR BIOTECHNOLOGY, GURGAON	5,00,000.00
638 REGIONAL MEDICAL RESEARCH CENTRE, DIBRUGARH	4,38,854.00
639 REGIONAL OCCUPATIONAL HEALTH CENTRE (EASTERN) BLOCK DP, KOLKATA	4,00,000.00
640 RIMT INSTITUTE OF ENGG. & TECHNOLOGY, MANDI- GOBINDGARH	1,30,090.00
641 R.M.D ENGINEERING COLLEGE, KAVARAIPETTAI	17,741.00
642 RNS INSTITUTE OF TECHNOLOGY, BANGALORE	75,000.00
643 ROFEL SHRI GMB COLLEGE OF PHARMACY, VAPI	1,05,766.00
644 RTM NAGPUR UNIVERSITY, NAGPUR (G)	6,95,316.00
645 RUBBER RESEARCH INSTITUTE OF INDIA, KOTTAYAM	1,56,151.00
646 RURAL ENERGY FOR ENVIRONMENTAL DEVELOPMENT SOCIETY, YELLMANCHILI	61,960.00
647 R.V.COLLEGE OF ENGINEERING, BANGALORE	66,325.00
648 SAFDARJUNG HOSPITAL, NEW DELHI	1,33,259.00
649 SAFDARJUNG HOSPITAL & V.M.M.C, NEW DELHI	3,67,550.00
650 SAGAR INSTITUTE OF RESEARCH TECHNOLOGY AND SCIENCE, BHOPAL	69,188.00
651 SAHA INSTITUTE OF NUCLEAR PHYSICS, KOLKATA	21,91,344.00
652 SAMARPAN FOR EDUCATION AND WELFARE SOCIETY, NEW DELHI	50,000.00
653 SAM HIGGINBOTTOM INSTITUTE OF AGRICULTURE, ALLAHABAD	55,872.00
654 SAMSKRITI FOUNDATION, MYSORE (G)	9,18,670.00
655 SANJAY GANDHI POSTGRADUATE INSTITUTE OF MEDICAL SCIENCE, LUCKNOW	20,58,128.00
656 SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI	4,43,866.00
657 SANT LONGOWAL INSTITUTE OF ENGINEERING & TECHNOLOGY, SANGRUR	3,11,940.00
658 SANT S.N. EDUCATIONAL SOCIETY, AGRA	50,000.00
659 SARDAR PATEL UNIVERSITY, VALLABH VIDYANAGAR	52,226.00
660 SARDAR VALLABHBHAI NATIONAL INSTITUTE OF TECHNOLOGY, SURAT (G)	7,96,861.00



Science and Engineering Research Board

Expenditure on Grants, Subsidies etc.

Grants in Aid (General)

661	SARDAR VALLABH BHAI PATEL UNIVERSITY OF AGRICULTURE & TECHNOLOGY, MEERUT	5,00,000.00
662	SASTRA UNIVERSITY, THANJAVUR (G)	27,04,000.00
663	SATHYABAMA UNIVERSITY, CHENNAI	1,00,000.00
664	SAURASHTRA UNIVERSITY, RAJKOT (G)	12,44,476.00
665	SAVEETHA ENGINEERING COLLEGE, CHENNAI (G)	2,70,000.00
666	S B B SINGH INSTITUTE OF ENGINEERING AND TECHNOLOGY, JALANDHAR	93,927.00
667	SBS POLYTECHNIQUE & PHARMACY COLLEGE, AMRITSAR	21,279.00
668	SCD GOVERNMENT COLLEGE, LUDHIANA	4,83,000.00
669	SCHOOL OF LIFE SCIENCES PONDICHERRY UNIVERSITY, PUDHUCHERRY (G)	12,30,000.00
670	SCHOOL OF PHARMACEUTICAL SCIENCES, SOLAN	1,00,000.00
671	SCOTTISH CHURCH COLLEGE, KOLKATA	1,50,000.00
672	SDM COLLEGE OF ENGINEERING & TECHNOLOGY, DHARWAD	6,11,312.00
673	SETH JAI PRAKASH MUKAND LAL INSTITUTE OF ENGINEERING AND TECHNOLOGY, RADUR (G)	4,00,000.00
674	SHAHEED BALDEO P. G. COLLEGE, VARANASI	50,000.00
675	SHARDA UNIVERSITY, GREATER NOIDA	1,30,000.00
676	SHER- E-KASHMIR UNIVERSITY OF AGRICULTURAL SCIENCES & TECHNOLOGY OF KASHMIR (SKUAST-K), SRINAGAR (G)	8,21,000.00
677	SHER-E-KASHMIR UNIVERSITY OF AGRICULTURAL SCIENCE & TECHNOLOGY, SAMBA	1,50,000.00
678	SHER-E-KASHMIR UNIVERSITY, SRINAGAR	82,742.00
679	SHIVAJI UNIVERSITY, KOLHAPUR	5,17,919.00
680	SHOBIT UNIVERSITY, MEERUT	50,000.00
681	SHRI GIRRAJ EDUCATIONAL AND SOCIAL WELFARE SOCIETY, NEW DELHI	75,000.00
682	SHRI G. S. INSTITUTE OF TECHNOLOGY & SCIENCE, INDORE	82,328.00
683	SHRI G. S. MEDICAL COLLEGE & KEM HOSPITAL, MUMBAI	92,518.00
684	SHRI MATA VAISHNO DEVI UNIVERSITY, JAMMU	1,29,045.00
685	SHRI RAMDEOBABA KAMLA NEHRU ENGG. COLLEGE, NAGPUR	99,226.00

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc.

Grants in Aid (General)

686	SHRI SHIVAJI SCIENCE COLLEGE , AMRAVATI	50,000.00
687	SHRI S.I.PATIL ARTS, G.B.PATEL SCIENCE & STSKVS COMMERCE COLLEGE, SHAHADA (G)	3,15,000.00
688	SHRI VISHNU COLLEGE OF PHARMACY, BHIMAVARAM	45,150.00
689	SHRI VISHNU ENGINEERING COLLEGE FOR WOMEN, BHIMAVARAM	75,000.00
690	SIKSHA 'O' ANUSANDHAN UNIVERSITY, BHUBANESWAR	5,60,579.00
691	SINHGAD INSTITUTE OF PHARMACY, PUNE	34,754.00
692	SIR GANGA RAM HOSPITAL, NEW DELHI	1,01,654.00
693	SIR PADAMPAT SINGHANIA UNIVERSITY, UDAIPUR	12,70,000.00
694	SIR P.P. INSTITUTE OF SCIENCE, BHAVNAGAR UNIVERSITY	4,00,000.00
695	SKP ENGINEERING COLLEGE, TIRUVANNAMALAI	1,00,000.00
696	SKR ENGINEERING COLLEGE, CHENNAI	31,428.00
697	SMT. N. P. SAVITHRAMMA GOVERNMENT COLLEGE FOR WOMEN, CHITTOOR (G)	3,00,000.00
698	SMT. PARVATIBAI CHOWGULE COLLEGE OF ARTS & SCIENCE, GOA (G)	5,00,000.00
699	S.N.BOSE NATIONAL CENTRE FOR BASIC SCIENCES, KOLKATA	49,34,235.00
700	SNOW AND AVALANCHE STUDY ESTABLISHMENT(SASE), CHANDIGARH (G)	2,60,000.00
701	SOCIETY FOR CONSERVATION AND RESOURCE DEVELOPMENT OF MEDICINAL PLANTS, NEW DELHI	1,75,000.00
702	SOCIETY FOR PLANT BIOCHEMISTRY AND BIOTECHNOLOGY, NEW DELHI	1,00,000.00
703	SOCIETY FOR SUGAR RESEARCH AND PROMOTION, NEW DELHI	3,25,000.00
704	SOLAPUR UNIVERSITY, SOLAPUR	1,49,940.00
705	SOPHISTICATED TEST AND INSTRUMENTATION CENTRE, CUSAT, KOCHI	6,40,101.00
706	SREE CHITRA TIRUNAL INSTITUTE FOR MEDICAL SCIENCE & TECHNOLOGY, TRIVANDRUM (G)	6,68,576.00
707	SREE NARAYANA COLLEGE, KOLLAM	4,00,000.00
708	SREE VIDYANIKETAN ENGINEERING COLLEGE, A RANGAMPET, CHITTOR (G)	6,80,000.00



Science and Engineering Research Board

Expenditure on Grants, Subsidies etc.

Grants in Aid (General)

709	SREE VISVESVARAYA INSTITUTE OF TECHNOLOGY & SCIENCE, MAHABUBNAGAR	23,929.00
710	S R ENGINEERING COLLEGE, WARANGAL	1,50,000.00
711	SRI JAYACHAMARAJENDRA COLLEGE OF ENGINEERING, MYSORE (G)	4,80,300.00
712	SRI KRISHNADEVAYRA UNIVERSITY, ANANTPUR (G)	13,77,708.00
713	SRI PADMAVATI WOMEN UNIVERSITY, TIRUPATI	43,920.00
714	SRI RAJESHWARA EDUCATIONAL SOCIETY, WARANGAL	1,50,000.00
715	SRI RAMACHANDRA UNIVERSITY, CHENNAI	14,69,454.00
716	SRI RAMAKRISHNA MISSION, VIDYALAYA COLLEGE OF ARTS AND SCIENCE, COIMBATORE	2,00,000.00
717	SRI RAM INSTITUTE OF INDUSTRIAL RESEARCH, NEW DELHI	4,10,000.00
718	SRI RAM KRISHNA SVYAM SEVI SEVA SANSTHAN, KUSHINAGAR	65,000.00
719	SRI SHANKARACHARYA INSTITUTE OF TECHNOLOGY & MANAGEMENT, DURG	39,764.00
720	SRI VENKATESWARA COLLEGE, NEW DELHI (G)	6,94,041.00
721	SRI VENKATESWARA COLLEGE OF PHARMACY, CHITTORE	75,000.00
722	SRI VENKATESWARA UNIVERSITY, TIRUPATI (G)	45,51,000.00
723	SRI VENKATESWARA VETERINARY UNIVERSITY, TIRUPATI (G)	6,23,000.00
724	S R L S GOVT. PG COLLEGE, JAIPUR	56,391.00
725	SRM UNIVERSITY, KATTANKULATHUR (G)	19,42,178.00
726	S.S.D.J.COLLEGE OF PHARMACY, CHANDWAD	1,36,879.00
727	S.S.E.S.A's SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR	19,037.00
728	S. S. M. R. V. DEGREE COLLEGE, BANGALORE	3,00,000.00
729	SSN COLLEGE OF ENGINEERING, KANCHEEPURAM	2,00,245.00
730	S. S. V. (PG) COLLEGE, HAPUR	52,525.00
731	ST. ANDREWS COLLEGE, GORAKHPUR	1,31,769.00
732	S & T EDUCATORS FORUM, NEW DELHI	50,000.00
733	STELLA MARIS COLLEGE, CHENNAI	1,00,000.00
734	ST. JOHN'S NATIONAL ACADEMY OF HEALTH SCIENCES, BANGALORE	1,00,000.00
735	ST. JOSEPH'S COLLEGE, CALICUT	1,06,449.00
736	ST. JOSEPH'S COLLEGE, IRINJALAKUDA, KERALA	75,000.00
737	ST. JOSEPH'S COLLEGE OF ENGINEERING & TECHNOLOGY,	

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc.

Grants in Aid (General)

	72,381.00
THANJAVUR	
738 ST. JOSEPH COLLEGE(AUTONOMOUS), BANGALORE	75,000.00
739 ST. JOSEPH COLLEGE, TIRUCHIRAPPALLI (G)	3,60,000.00
740 ST. MARY'S ENGINEERING COLLEGE, DESHMUKHI(V), HYDERABAD (G)	1,57,067.00
741 ST. PETERS ENGINEERING COLLEGE, CHENNAI	29,870.00
742 ST. STEPHENS HOSPITAL, NEW DELHI	53,019.00
743 ST. THOMAS COLLEGE PALA, KOTTAYAM (G)	7,86,560.00
744 ST. XAVIER'S COLLEGE, AHMEDABAD	50,000.00
745 ST. XAVIER'S COLLEGE, KOLKATA (G)	7,12,000.00
746 ST. XAVIER'S COLLEGE, MUMBAI (G)	6,40,000.00
747 ST. XAVIERS CATHOLIC COLLEGE OF ENGINEERING, CHUNKANKADAI, KANYAKUMARI (G)	1,13,000.00
748 ST. XAVIERS COLLEGE, PALAYAMKOTTAI, TAMIL NADU	33,953.00
749 SVBP UNIVERSITY OF AGRICULTURE AND TECHNOLOGY, MEERUT	14,596.00
750 SVKMS NMIMS UNIVERSITY, MUMBAI	75,277.00
751 S V U COLLEGE OF CM & CS, SV UNIVERSITY, TIRUPATI	75,000.00
752 SWAMI KESHVANAND INSTITUTE OF TECHNOLOGY, MANAGEMENT & GRAMOTHAN, JAIPUR	50,000.00
753 SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY, NANDED (G)	20,56,917.00
754 SYNERGY INSTITUTE OF ENGINEERING & TECHNOLOGY, DHENKANAL	75,000.00
755 TAGORE ARTS COLLEGE, PUDUCHERRY	40,381.00
756 TAMIL NADU AGRICULTURAL UNIVERSITY, COIMBATORE (G)	59,84,465.00
757 TAMIL NADU AGRICULTURAL UNIVERSITY, KANYAKUMARI	1,72,000.00
758 TAMIL NADU VETERINARY AND ANIMAL SCIENCES UNIVERSITY, CHENNAI	3,00,000.00
759 TATA INSTITUTE OF FUNDAMENTAL RESEARCH, MUMBAI	1,39,73,966.00
760 TATA MEMORIAL CENTRE, NAVI MUMBAI	84,045.00
761 TDPG COLLEGE, JAUNPUR	1,40,919.00
762 TECHNOLOGY SOCIETY OF BASIC AND APPLIED SCIENCES, GORAKHPUR	1,00,000.00
763 TERI UNIVERSITY, DELHI	6,70,000.00

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc.

Grants in Aid (General)

764	TEZPUR UNIVERSITY, TEZPUR, ASSAM (G)	9,58,262.00
765	THANGAL KUNJU MUSLIAR ARTS AND SCIENCE COLLEGE, KOLLAM (G)	5,13,000.00
766	THAPAR UNIVERSITY, PATIALA (G)	26,89,871.00
767	THE CATALYSIS SOCIETY OF INDIA, CHENNAI	1,50,000.00
768	THE ELECTROCHEMICAL SOCIETY OF INDIA, BANGALORE	60,000.00
769	THE ENERGY RESOURCES INSTITUTE, NEW DELHI	3,93,909.00
770	THE INSTITUTIONS OF ENGINEERING, INDIA STATE CENTRE, KOLKATA	50,000.00
771	THE INSTITUTIONS OF ENGINEERS, BANGALORE	1,50,000.00
772	THE MADURA COLLEGE (AUTONOMOUS), MADURAI	5,75,000.00
773	THE SOCIETY OF PLANT REPRODUCTIVE BIOLOGISTS, AGRA	1,25,000.00
774	THE TECHNOLOGY INSTITUTE OF TEXTILES & SCIENCE, BHIWANI	62,520.00
775	THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI (G)	10,49,000.00
776	THIRU. VI. KA. GOVT. ARTS COLLEGE, TIRUVARUR (G)	4,24,000.00
777	THOUBAL COLLEGE, MANIPUR	75,000.00
778	T.M. BHAGALPUR UNIVERSITY, BHAGALPUR	4,00,000.00
779	TRANSLATIONAL HEALTH SCIENCE AND TECHNOLOGY INSTITUTE, GURGAON	14,60,000.00
780	TRIPURA UNIVERSITY, AGARTALA	2,48,189.00
781	TRIPURA UNIVERSITY, SURYAMANINAGAR	1,75,000.00
782	TRIVENI DEVI BHALOTIA COLLEGE, RANIGANJ	63,252.00
783	TROPICAL BOTANIC GARDEN AND RESEARCH INSTITUTE, THIRUVANANTHAPURAM	7,50,000.00
784	TRP ENGINEERING COLLEGE(SRM GROUP), IRUNGALUR (G)	4,90,000.00
785	UDAI PRATAP AUTONOMOUS COLLEGE, VARANASI	3,00,705.00
786	UGC-DAE CONSORTIUM FOR SCIENTIFIC RESEARCH, INDORE	1,26,006.00
787	UGC-DAE CONSORTIUM FOR SCIENTIFIC RESEARCH, KOLKATA	54,00,000.00
788	ULTRA COLLEGE OF PHARMACY, MADURAI	50,000.00
789	UM-DAE CBS CENTRE FOR EXCELLENCE IN BASIC SCIENCE, MUMBAI (G)	6,18,307.00

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc.

Grants in Aid (General)

790	UNIVERSITY COLLEGE OF ENGINEERING TINDIVANAM, MELPAKKAM	39,841.00
791	UNIVERSITY COLLEGE OF MEDICAL SCIENCE, GTB HOSPITAL, NEW DELHI	3,57,094.00
792	UNIVERSITY OF AGRICULTURAL SCIENCE, HASSAN (G)	4,61,000.00
793	UNIVERSITY OF AGRICULTURAL SCIENCES, DHARWAD	1,04,859.00
794	UNIVERSITY OF AGRICULTURAL SCIENCES, RAICHUR	56,159.00
795	UNIVERSITY OF ALLAHABAD, ALLAHABAD (G)	24,22,718.00
796	UNIVERSITY OF BURDWAN, BURDWAN (G)	6,00,822.00
797	UNIVERSITY OF CALCUTTA, KOLKATA (G)	65,69,426.00
798	UNIVERSITY OF CALICUT, CALICUT	4,50,000.00
799	UNIVERSITY OF DELHI	2,86,971.00
800	UNIVERSITY OF DELHI, NORTH CAMPUS (G)	93,18,545.00
801	UNIVERSITY OF DELHI, SOUTH CAMPUS (G)	79,56,595.00
802	UNIVERSITY OF HYDERABAD (G)	87,41,029.00
803	UNIVERSITY OF JAMMU	2,58,642.00
804	UNIVERSITY OF KALYANI, KALYANI, NADIA	17,80,777.00
805	UNIVERSITY OF KASHMIR, SRINAGAR (G)	58,05,823.00
806	UNIVERSITY OF KERALA, THIRUVANANTHAPURAM	4,08,668.00
807	UNIVERSITY OF LUCKNOW (G)	7,57,925.00
808	UNIVERSITY OF MADRAS, CHENNAI	15,21,279.00
809	UNIVERSITY OF MYSORE	9,89,281.00
810	UNIVERSITY OF NORTH BENGAL, DARJEELING (G)	6,78,966.00
811	UNIVERSITY OF PUNE (G)	19,07,332.00
812	UNIVERSITY OF RAJASTHAN, JAIPUR (G)	25,89,713.00
813	UP RURAL INSTITUTE OF MEDICAL SCIENCES & RESEARCH, ETAWAH	72,247.00
814	UTTARAKHAND STATE COUNCIL FOR SCIENCE & TECHNOLOGY, DEHRADUN	3,00,000.00
815	VAISHNAVI SOCIEL WELFARE SOCIETY, GWALIOR	50,000.00
816	VALLABHBHAI PATEL CHEST INSTITUTE, DELHI UNIVERSITY	31,79,028.00
817	VARIABLE ENERGY CYCLOTRON CENTRE, KOLKATA	2,38,698.00
818	V. B. S. PURVANCHAL UNIVERSITY, JAUNPUR	66,788.00
819	VECTOR CONTROL CENTRE(ICMR) MEDICAL COMPLEX, PUDUCHERRY (G)	6,81,495.00

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc.

Grants in Aid (General)

820	VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT	39,137.00
821	VELLORE INSTITUTE OF TECHNOLOGY UNIVERSITY, VELLORE (G)	1,38,92,661.00
822	VELS UNIVERSITY, CHENNAI	97,331.00
823	VHNSN COLLEGE, VIRUDHUNAGAR	18,021.00
824	VIDYA ACADEMY OF SCIENCE & TECHNOLOGY, THRISSUR	82,171.00
825	VIDYASAGAR UNIVERSITY, MIDNAPORE	1,96,330.00
826	VIKRAMAJIT SINGH SANATAN DHARM COLLEGE, KANPUR (G)	2,00,000.00
827	VIKRAM UNIVERSITY, UJJAIN (G)	90,000.00
828	VINAYAKRAO PATIL MAHAVIDYALAYA, AURANGABAD	3,00,000.00
829	VISHNU INSTITUTE OF PHARMACEUTICAL EDUCATION & RESEARCH, NARSAPUR (G)	5,03,000.00
830	VISHVAKARMA INSTITUTE OF INFORMATION TECHNOLOGY, PUNE	71,521.00
831	VISION RESEARCH FOUNDATION, CHENNAI (G)	15,44,000.00
832	VISVA BHARATI UNIVERSITY, SANTINIKETAN (G)	23,90,948.00
833	VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR (G)	7,59,174.00
834	VITTAL MALLYA SCIENTIFIC RESEARCH FOUNDATION, BANGALORE	3,50,000.00
835	VIT UNIVERSITY, CHENNAI	4,00,000.00
836	VIVEKANANDA COLLEGE OF TECHNOLOGY & MANAGEMENT, ALIGARH	1,05,463.00
837	VIVEKANAND EDUCATION SOCIETY'S COLLEGE OF PHARMACY, MUMBAI	50,000.00
838	V.O.CHIDAMBARAM COLLEGE, TUTICORIN	11,00,000.00
839	V.R.SIDDHARTHA ENGINEERING COLLEGE, VIJAYWADA	50,000.00
840	V.S.S. MEDICAL COLLEGE, BURLA, ORISSA	7,00,000.00
841	WADIA INSTITUTE OF HIMALAYAN GEOLOGY, DEHRADUN	3,75,103.00
842	WEST BENGAL UNIVERSITY OF ANIMAL & FISHERY SCIENCE, KOLKATA	3,23,513.00
843	WEST BENGAL UNIVERSITY OF TECHNOLOGY, KOLKATA	5,65,408.00
844	WILDLIFE INSTITUTE OF INDIA, DEHRADUN	7,20,488.00
845	YESHWANT MAHAVIDYALAYA, NANDED	96,272.00
846	YOGI VEMANA UNIVERSITY, KADAPA (G)	6,71,000.00

Science and Engineering Research Board

Expenditure on Grants, Subsidies etc.
Grants in Aid (General)

847 YUVARAJAS COLLEGE, MYSORE	53,148.00
848 ZAKIR HUSAIN COLLEGE, UNIVERSITY OF DELHI	8,09,007.00
849 ZOOLOGICAL SURVEY OF INDIA, KOLKATA (G)	4,21,000.00
850 ZOOLOGICAL SURVEY OF INDIA, NORTHERN REGIONAL CENTRE, DEHRADUN (G)	6,50,000.00
TOTAL	90,62,82,433.00

Expenditure on Grants , Subsidies etc. Grants in Aid (Scheduled Castes - General)

Annexure - 5B

PARTICULARS

Previous Year

1 ANNA UNIVERSITY, CHENNAI (SC-CAP)	2,227,000.00
2 GITAM UNIVERSITY, VISHAKHAPATNAM (SC-CAP)	1,936,000.00
3 INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE (SC-CAP)	1,905,000.00
4 WALCHAND COLLEGE OF ENGINEERING, SANGLI (SC-CAP)	1,680,000.00
TOTAL	7,748,000.00

Expenditure on Grants , Subsidies etc. Grants in Aid (Scheduled Castes - General)

Annexure - 6B

PARTICULARS

Previous Year

1 ANNA UNIVERSITY, CHENNAI (SC-GEN)	6,13,000.00
2 GITAM UNIVERSITY, VISHAKHAPATNAM (SC-GEN.)	5,30,000.00
3 INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE (SC-GEN)	2,70,000.00
4 WALCHAND COLLEGE OF ENGINEERING, SANGLI (SC-GEN)	2,40,000.00
TOTAL	16,53,000.00



*Science and Engineering Research Board***SCHEDULE FORMING PART OF THE ACCOUNTS FOR THE YEAR ENDED 31.03.2013****SCHEDULE 28****SIGNIFICANT ACCOUNTING POLICIES****1. Basis of Preparation of Financial Statements**

These financial statements have been prepared on the accrual basis of accounting, under historical cost convention, in accordance with the accounting principles generally accepted in India

2. Fixed Assets

Fixed assets are stated at cost of acquisition less accumulated depreciation and impairment losses, if any. Cost of fixed assets comprises purchase price, duties, levies and other directly attributable costs of bringing the assets to its working conditions for the intended use.

3. Depreciation

Depreciation on fixed assets is computed on the written down value (WDV) method at the rates and in the manner prescribed under the Provisions of Income Tax Act.

In respect of additions to/deductions from fixed assets during the year, depreciation is considered on pro-rata basis.

4. Grant/ Subsidies Received

Grants, subsidies or similar assistance received for the general purposes and objectives of the Entity, on an irrevocable basis, be treated as income on receipt basis.

5. Expenditure on Grants, Subsidies etc.

Grants, subsidies or other similar assistance given to the Institutions/Organisations for general purposes and objectives of the Entity, on an irrevocable basis, be treated as expenditure when they are released.

6. Prior period Income/Expenditure

Income/expenditure relating to previous Financial Years has been booked as Prior Period Income/Expenditure in the Income and Expenditure Account.

7. Refund from beneficiaries:

a) Refund/repayment of grant/assistance received by SERB from the beneficiaries as per the conditions stipulated in the sanction document is accounted for on receipt basis.

b) Refund/repayment of grant/assistance given and received back in the same financial year has been netted off with Grant-in-Aid (expenditure) in the Income and Expenditure Account.

c) Refund/repayment of grant/assistance given in previous years and received back in later years (i.e not in same financial year) has been shown as "Refund received against Previous Year Grant" in the Income and Expenditure Account.

8. Unspent balances of Grants received from DST:

The unspent balances of Grants are not to be refunded to DST as grants released by the Government are credited for Science and Engineering Research Board in terms of Section 10(1) of SERB Act, 2008.

9. Cheques pending for clearance

Cheques issued towards grants/assistance and pending for clearance at the beginning of the financial year have been reversed back after the expiry of validity period prescribed by RBI and transferred to "**Grants pending for clearance of previous year**" under Current Liabilities

10. Surplus/Deficit in Income & Expenditure A/c

Surplus/Deficit in Income & Expenditure Account at the year-end has been transferred to Corpus/Capital Account.

For Science and Engineering Research Board

**Secretary
SERB**

**Director-Finance
SERB**

Date: 26.07.2013

Place: New Delhi



Science and Engineering Research Board

SCHEDULE FORMING PART OF THE ACCOUNTS FOR THE YEAR ENDED 31.03.2013

SHCHEDULE- 29 CONTINGENT LIABILITIES AND NOTES TO ACCOUNTS

1. CONTINGENT LIABILITIES

- 1.1 Claims against the Entity not acknowledge as debts **Rs. NIL** (Previous year **Rs. NIL**)
- 1.2 In respect of
- Bank Guarantees given by/on behalf of the Entity **Rs. NIL** (Previous year **Rs. NIL**)
 - Letters of Credit opened by Bank on behalf of the Entity **Rs. NIL** (Previous year **Rs. NIL**)
 - Bills discounted with banks **Rs. NIL** (Previous year **Rs. NIL**)
- 1.3 Disputed demands in respect of:
- Income tax **Rs. NIL** (Previous year **Rs. NIL**)
 - Sales Tax **Rs. NIL** (Previous year **Rs. NIL**)
 - Municipal Taxes **Rs. NIL** (Previous year **Rs. NIL**)
 - In respect of claims from parties for non-execution of orders, but contested by the Entity **Rs. NIL** (Previous year **Rs. NIL**)
- 1.4 Income Tax (*Refer Para 7 below*)

Current Year **Rs. 2,69,50,783/-** Previous Year **Rs. 9,43,38,079/-**

2. CAPITAL COMMITMENTS

- Estimated value of contracts remaining to be executed on capital account and not provided for (net of advances) **Rs. NIL** (Previous year **Rs. NIL**)

3. LEASE OBLIGATIONS

- Future obligations for rentals under finance lease arrangements for plant and machinery amount to **Rs. NIL** (Previous year **Rs. NIL**)

4. CURRENT ASSETS, LOANS AND ADVANCES

- In the opinion of the Management, the current assets, loans and advances have a value on realization in the ordinary course of business, at least equal to the amount at which they are stated in the Balance Sheet.

5. Rent paid by DST on behalf of SERB

DST has paid a sum of Rs. 1,26,38,481/- on account of rent to M/s Suncity Projects Private Limited on behalf of SERB, for the rented premises relating to period 18th February 2011 to 31st May 2011. This payment has been released by DST directly to the lanlord as the Bank Account of SERB was not operational at that point

of time. The same amount has not been reflected in SERB accounts for the FY 2011-12. The said amount has been treated as deemed Grant received & deemed Expenditure towards Rent in the books of SERB in the current financial year as prior period Income & prior period Expenditure respectively.

6. SERB Interior Work

Interior work at rented premises of SERB, Vasant Kunj has been carried out by National Mission on Bamboo Application. The details of Interior work carried in FY 2011-12 (Rs. 1,68,93,168/-) & FY 2012-13 (Rs. 6,32,111/-) has been received by SERB in Current Year. On the basis of ledger account of SERB received from NMBA, we have taken such expenditure in our accounts as Fixed Assets on one side & Liability outstanding on the other side and depreciation on the same has been calculated as per the provisions of Income Tax Act, 1961.

7. TAXATION

Application for claiming Income Tax Exemption under section 10(46) of Income Tax Act, 1961 has been filed on 25th April 2013 with Ministry of Finance. Even reply against the letter dated 14th May 2013 received from Ministry of Finance has been filed of 29th May 2013. In such a situation we have shown Contingent Liability for Income Tax at point 1.4.

8. FOREIGN CURRENCY TRANSACTIONS

(Amount Rs.)

8.1 Value of Imports Calculated on C.I.F. Basis:	Current Year	Previous Year
Purchase of finished Goods	Nil	Nil
Raw Materials & Components (Including in transit)	Nil	Nil
Capital Goods	Nil	Nil
Stores, Spares & Consumables		
8.2 Expenditure in foreign currency:		
a) Travel	Rs. 92,959/-	Nil
b) Remittances and Interest Payment to Financial Institutions/ Banks in Foreign Currency	Nil	Nil
c) Other expenditure:		
- Commission on Sale	Nil	Nil
- Legal and Professional Expenses	Nil	Nil
- Miscellaneous Expenses	Nil	Nil
8.3 Earning:		
Value of Exports on FOB basis	Nil	Nil

8.4 Remuneration to Auditors:

- Auditors Fee	Rs. 40,000/-	Rs. 35,000/-
- Taxation matters
- For management services
- For certificate
- Others

9. Schedules 1 to 29 are annexed to and form an integral part of the Balance Sheet as at 31.03.2013 and the Income and Expenditure Account for the year ended on that date.

For Science and Engineering Research Board**Secretary****Director-Finance****SERB****SERB****Date: 26.07.2013****Place: New Delhi**

Separate Audit Report of the Comptroller & Auditor General of India on the accounts of Science & Engineering Research Board, New Delhi for the year ended 31 March 2013

We have audited the attached Balance Sheet of Science & Engineering Research Board (SERB), New Delhi as at 31st March 2013, the Income & Expenditure Account and Receipts & Payments Account for the year ended on that date under Section 19 (2) of the Comptroller & Auditor General's (Duties, Powers & Conditions of Service) Act, 1971 read with Section 13 (3) of the SERB Act, 2008. These financial statements are the responsibility of the Board's management. Our responsibility is to express an opinion on these financial statements based on our audit.

2. This Separate Audit Report contains the comments of the Comptroller & Auditor General of India (CAG) on the accounting treatment only with regard to classification, conformity with the best accounting practices, accounting standards and disclosure norms, etc. Audit observations on financial transactions with regard to compliance with the Law, Rules & Regulations (Propriety and Regularity) and efficiency-cum-performance aspects, etc., if any, are reported through Inspection Reports/CAG's Audit Reports separately.

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

4. Based on our audit, we report that:

i) 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;

ii) The Balance Sheet, Income & Expenditure Account and Receipts & Payments Account dealt with by this report have been drawn up in the Common format of Accounts approved by the Government of India, Ministry of Finance.

iii) In our opinion, proper books of accounts and other relevant records have been maintained by the SERB, New Delhi as required under Section 13(1) of the SERB Act, 2008, in so far as it appears from our examination of such books.

iv) We further report that:

(A) Balance Sheet

1. Assets

1.1 Fixed Asset Rs.2.44 crore (Schedule-8)

1.1.1. A Multifunction Copier an office equipment costing Rs. 6.99 lakh was wrongly booked under Computer & Peripherals leading to overcharging of depreciation by Rs. 3.15 lakh and understatement of assets by the same amount.



2. Liabilities

2.1 Current Liabilities and Provision of Rs 1.97 crore (Schedule 7)

Funds of Rs. 5.29 crores received from Ministry of Food Processing of India (MFPI) for their projects, of which Rs. 4.06 crore was expended, were wrongly treated as income and expenditure of the Board in Annual Accounts and the unspent balance of Rs 1.23 crore included in surplus instead of being reflected as a liability.

(B) Income & Expenditure Account

Income included Rs. 73.00 lakh on account of Grant spent on procurement of Capital Asset which resulted in overstatement of Surplus of Income over expenditure.

(C) General

1. Diversion of funds from Grant for creation of capital assets.

SERB had re-appropriated Rs.10.00 crore from Grants of creation of Capital Assets to Grant-in-aid (General) without obtaining the necessary approval from DST/Ministry of Finance.

2. Grants-in-aid

The SERB had received a grant of Rs. 405.29 crore (Rs.400.00 crore from DST and Rs.5.29 crore from MFPI) besides Rs. 39.68 crore towards interest, miscellaneous receipts and refunds from projects including unspent balance as on March 2012. All of the above form an integral part of the "Fund for Science and Engineering Research" amounting to Rs. 444.97 crore. After incurring Rs. 405.01 crore from the fund, the board was left with the balance of Rs. 39.96 crore under saving bank account.

(D) Management Letter: Deficiencies which have not been included in the Audit Report have been brought to the notice of the SERB through a management letter issued separately for remedial/corrective action.

(v) Subject to our observations in the preceding paragraphs, we report that the Balance Sheet, Income & Expenditure Account and Receipts & Payments Accounts dealt with by this report are in agreement with the books of accounts.

(vi) In our opinion and to the best of our information and according to the explanations given to us, the said financial statements read together with the Accounting Policies and Notes on Accounts, and subject to the significant matters stated above and other matters mentioned in Annexure to this Audit Report give a true and fair view in conformity with accounting principles generally accepted in India.

a. In so far as it relates to the Balance Sheet, of the state of Affairs of the SERB as at 31 March 2013; and

b. In so far as it relates to Income & Expenditure Account of the surplus for the year ended on that date.

For and on behalf of C&AG of India



Principal Director of Audit
Scientific Departments

Place: New Delhi
Date:



*Annexure***1. Adequacy of Internal Control System - Deficient Internal Control Mechanism****(i) Irregularities in vouchers and sanctions**

Sanctions in respect of Establishment and Administrative Expenses were not properly issued as specific head to which expenditure was to be debited was not mentioned on the sanction in respect of TA, Telephone reimbursement bills etc. All the expenditure sanction were being classified for debit under the head Grant in aid (General) and no expenditure control mechanism was adopted. The paid vouchers and bills had not been cancelled for payment by putting stamp that payment had been made.

(ii) Adequacy of internal audit system

No internal audit/inspection of the Board had been conducted by the Pr. Pay & Accounts Office, DST since its inception.

(iii) System of Physical Verification of Fixed Assets & Inventories

Physical Verification of the Fixed Assets, stores and consumables etc. had been completed till 2012-13.

(iv) Regularity in payment of statutory dues

No statutory dues in respect of TDS, PF, ESI or any other dues were outstanding for more than six months from the date they become payable to the concerned department/Govt. of India.



Director (Inspection)



प्रधान निदेशक, लेखा परीक्षा
वैज्ञानिक विभाग
ए० जी० सी० आर० भवन, इन्द्रप्रस्थ एस्टेट
नई दिल्ली - 110 002
**PRINCIPAL DIRECTOR OF AUDIT,
SCIENTIFIC DEPARTMENTS,
A.G.C.R. BUILDING, I.P. ESTATE,
NEW DELHI-110 002**

No: PDA (SD)/Insp./SAR/SERB/2012-13/ 854

Dated : 26.02.2014

To

The Secretary,
Science & Engineering Research Board,
Vasant Square Mall, Vasant Kunj,
New Delhi.

Sub.: Management letter on the accounts of SERB, New Delhi for 2012-13.

Sir,

Based on audit of accounts of your Board by this office, the following points are brought to your notice for corrective action:

1. SERB misclassified various asset items costing Rs. 18.42 lakh under the head Plant & Machinery (Office Equipments – Rs. 16.15 lakh and Computer/Peripherals – Rs. 2.27 lakh) leading to understatement of expenditure on account of depreciation besides understatement of assets by Rs. 0.51 lakh.

2. Position of outstanding Utilization Certificates

During 2011-12 to 2012-13, though SERB released grants-in-aid amounting to Rs.200.00 crore and Rs. 405.29 crore respectively to different institutions, however, no record in respect of institution-wise/ project-wise upto date position of outstanding utilization certificates as of 31 March, 2013 was furnished. Due to non-production of records/ information, authenticity of figures of utilization of grants-in-aid as depicted in annual accounts could not be verified in Audit. SERB stated (Nov), 2013) that there were no outstanding UCS as of March 2013 as the second instalment for any project was not released without the receipt of preceding UCs. The reply is not tenable as no record was furnished to audit to ascertain the status of UCs.

दूरभाष / Phone : 23702326, 23702348 फैक्स / Fax : 91-11-23702353



3. Violation of Income Tax Rules

The Income Tax Rules prohibited the payment of above Rs. 20000 by Cash. However, during the scrutiny of ledgers relating to Current Assets–Cash, it was observed that payment of Salary amounting to Rs.7.27 lakh was made to Director (Finance) through Cash during the year 2012-13 in violation of above Rules. The practice of making payment of above Rs. 20000 by cash was required to be discontinued immediately. SERB accepted (Nov, 2013) the observation for compliance.

4. Grant/ Subsidies – Rs. 405.29 crore (Sch.13)

The heading of the Schedule–13 Grant/Subsidies was wrongly described as Schedule forming Part of Balance Sheet as at 31-03-2013 instead of Schedule forming Part of Income & Expenditure Account as at 31-03-2013. SERB accepted (Nov, 2013) the observation as typographical error.

5. Improper maintenance of Bank Reconciliation Statement

SERB has been maintaining a bank account (No. 349902010042778) with Union Bank of India having closing balance of Rs. 51.07 crore as on 31 March 2013. However, the Bank Reconciliation Statement has not been prepared as per the prescribed proforma. In the absence of prescribed details, the status of outstanding transactions along with their adjustments/clearances could not be verified in Audit. SERB accepted (Nov, 2013) the observation for compliance in next financial year.

6. Improper maintenance of Asset Register

Asset Register was required to be maintained indicating head-wise progressive totals to be tallied with the figures (head-wise) reflected in Schedule-8 'Fixed Asset' of the Balance Sheet. As per the Annual Accounts as of 31 March, 2013, SERB held the fixed Assets of Rs. 243.88 lakh under various heads. Due to non-maintenance of head wise Asset Register, figure

of Rs. 243.88 lakh depicted in the Annual account for the year 2012-13 could not be verified in Audit. SERB accepted (Nov, 2013) the observation for future compliance.

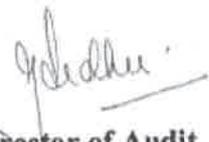
7. Non adherence of Ministry of Finance directives

As per Ministry of Finance orders dated 24 March 2006, all cases of air travel, both domestic and international where the Government of India bears the cost of air passage, the officials concerned may travel only by Air India. However, in contravention to above direction, the SERB has been allowing their invitees to perform the journeys through private airlines and reimbursing the airfares without proper scrutiny. SERB stated (Nov, 2013) that the air journeys by private airlines were performed in exigencies with the approval of competent authority. The reply is not acceptable, as necessary approvals had not been obtained.

8. Non-maintenance of Register of Non-consumable stores.

The SERB did not maintain separate Register for non-consumable stores and has been showing these items in Consumable Stock Register. SERB accepted (Nov, 2013) the observation for future compliance.

Yours faithfully,



**Principal Director of Audit
Scientific Departments**





Science and Engineering Research Board
5 & 5A, Lower Ground Floor
Vasant Square Mall, Vasant Kunj,
New Delhi - 110 070