



सत्यमेव जयते

भारत सरकार

Government of India

परमाणु ऊर्जा विभाग

Department of Atomic Energy

75  
Azadi Ka  
Amrit Mahotsav



**ACCOUNTS AT A GLANCE**  
**2021 - 22**

Front coverpage: - Panoramic view of BARC

के. एन. व्यास  
K. N. Vyas



अध्यक्ष, परमाणु ऊर्जा आयोग  
व  
सचिव, परमाणु ऊर्जा विभाग  
Chairman, Atomic Energy Commission  
&  
Secretary, Department of Atomic Energy



## प्रस्तावना

मुख्य लेखा नियंत्रक के कार्यालय ने परमाणु ऊर्जा विभाग के वित्तीय वर्ष 2021-22 से संबंधित “लेखा - एक नज़र” पुस्तिका का प्रकाशन किया है। इस पुस्तिका में विविध तालिकाओं, चार्ट, रेखाचित्रों और ग्राफ के माध्यम से विश्लेषणात्मक और रोचक तरीके से उपयोगी लेखांकन सूचना दी गयी है।

विभाग के लेखा के सारांश को उपलब्ध करवाने के लिए “लेखा - एक नज़र” पुस्तिका का प्रकाशन वार्षिक रूप से किया जाता है। हमारा प्रयास विस्तृत, प्रासंगिक और उपयोगी लेखांकन सूचना को सरल प्रारूप में उपलब्ध करवाना रहा है ताकि पाठकों को विभाग के वित्त की पूरी जानकारी एक स्थान पर मिल सके।

सरकार के डिजिटल भारत पहल कार्यक्रम के तहत “सार्वजनिक वित्त प्रबंध प्रणाली (पीएफएमएस)” और “राजकोष एकल लेखा (टीएसए)” पोर्टल का विभाग की 13 यूनिटों और 11 सहायता प्राप्त संस्थानों में उपयोग प्रारंभ कर दिया गया है। इस महत्वपूर्ण क्षेत्र में अधिकारियों को राष्ट्र के हित में निरंतर ध्यान देना और कार्य करना आवश्यक है ताकि समाज को इसका सर्वोत्तम लाभ पहुंचाने की दिशा में विभाग के कार्य को अधिक सरल एवं कारगर बनाया जा सके।

मैं, मुख्य लेखा नियंत्रक की टीम को शुभकामनाएं देता हूँ और यह आशा करता हूँ कि “लेखा - एक नज़र” के आगामी अंक में सुधार लाने के प्रयास में वे हमारे पाठकों और हितधारकों से प्राप्त सुझावों को शामिल करेंगे।

*के. एन. व्यास*  
(के. एन. व्यास)





के. एन. व्यास  
K. N. Vyas



अध्यक्ष, परमाणु ऊर्जा आयोग  
व  
सचिव, परमाणु ऊर्जा विभाग  
Chairman, Atomic Energy Commission  
&  
Secretary, Department of Atomic Energy



## FOREWORD

Office of the Chief Controller of Accounts has brought out “Accounts at a Glance” of Department of Atomic Energy pertaining to the Financial Year 2021-22 with useful Accounting Information supported by Tables, Charts, Diagrams and Graphs in an analytical and attractive manner.

"Accounts at a Glance" is prepared annually with the objective of providing a summary of the accounts of the Department. Our endeavor has been to provide comprehensive, relevant and useful accounting Information in user friendly formats so that a complete picture of the Department's finances is available to the reader at one place.

Under the Government's Digital India initiative program “Public Financial Management System (PFMS)” and “Treasury Single Account (TSA)” have been implemented in 13 Units and 11 Aided Institutes respectively. The continued attention and action by all functional authorities concerned, is essential in this important area to further streamline the working of the Department in the interest of the Nation and its ultimate benefits to the Society.

I wish all the best to the CCA's team and hope that in an effort to improve the future edition of “Accounts at a Glance”, they will incorporate the suggestions/feedback received, from our readers and stakeholders.

  
(K. N. Vyas)







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सत्यमेव जयते

भारत सरकार

GOVERNMENT OF INDIA

परमाणु ऊर्जा विभाग

DEPARTMENT OF ATOMIC ENERGY

अणुशक्ति भवन

छत्रपति शिवाजी महाराज मार्ग,

मुंबई - 400 001.

Anushakti Bhavan  
Chhatrapati Shivaji Maharaj Marg,  
MUMBAI - 400 001.

## प्रस्तावना

मैं परमाणु ऊर्जा विभाग की पुस्तिका "लेखा - एक नज़र" के नवीनतम अंक को प्रस्तुत करते हुए प्रसन्नता महसूस कर रहा हूँ।

यह पुस्तिका संघ के वित्त और विनियोग लेखा में दर्शायी गयी परमाणु ऊर्जा विभाग की गतिविधियों का विस्तृत विवरण देने के लिए वार्षिक रूप से प्रकाशित की जाती है। विविध तालिका, चार्ट, रेखाचित्र और ग्राफ के माध्यम से सूचना को तार्किक रूप से प्रस्तुत करने का प्रयास किया गया है।

मुझे विश्वास है कि यह दस्तावेज सूचनाप्रद और उपयोगी सिद्ध होगा। इस प्रकाशन के प्रारूप और विषय-वस्तु में सुधार लाने के लिए सुझाव और टिप्पणियां सादर आमंत्रित हैं।

संदीप टी. उके  
मुख्य लेखा नियंत्रक

दिनांक :

मुम्बई- 400 001







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## PREFACE

I am pleased to bring out the latest issue of “Accounts at a Glance” of the Department of Atomic Energy.

This publication is prepared annually with the objective of providing a broad overview of the activities of the Department of Atomic Energy as reflected in the Union Finance and Appropriation Accounts. Efforts have been made to present the information logically through tables, charts, diagrams and graphs.

I trust that this document will be informative and useful. Suggestions and comments to improve the form and content of the publication are most welcome.

Sandeep T. Uke  
Chief Controller of Accounts

Date:

Mumbai - 400 001.





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## Chapter - 1

### Introduction of DAE

As per clause 13 of the Atomic Energy Act the Government of India decided to set up "Atomic Energy Commission" on August 10, 1948 in the Department of Scientific Research. A separate Department with full powers of a Ministry was set up under the direct charge of the Prime Minister of India on 3<sup>rd</sup> August 1954. The objective was to set up an organisation with full authority to plan and implement the various measures on sound technical and economic principles and free from all non-essential restrictions and needlessly inelastic rules. The intention was to give the Commission the same freedom of action as an autonomous body, while at the same time giving the power of authority of the Government. The Atomic Energy Commission has the powers of the Government of India in all its Ministries is so far as work of the Department of Atomic Energy is concerned.

Since its inception, DAE has been engaged in the development of nuclear power technology, applications of radiation technologies in the fields of agriculture, medicine, industry and basic research. DAE comprises of 5 major Research Centres, 3 Industrial organisations, 5 Public Sector Undertakings, 3 Service Organisations and 11 Aided Institutes. It also has under its aegis, 2 Boards (Homi Bhabha National Institute & National Board for Higher Mathematics) for promoting and funding extramural research in nuclear and allied fields, mathematics and a national institute (deemed university).



## Important Programmes of DAE

- Increasing share of nuclear power through deployment of indigenous and other proven technologies, along with development of fast breeder reactors and thorium reactors with associated fuel cycle facilities;
- Building and operation of research reactors for production of radioisotopes and carrying out radiation technology applications in the field of medicine, agriculture and industry;
- Development of advanced technologies such as accelerators, lasers, supercomputers, advanced materials and instrumentation and encouraging transfer of technology to industry;
- Support to basic research in nuclear energy and related frontier areas of science; Interaction with universities and academic institutions;
- Support to research and development projects having a bearing on DAE's programmes and International co-operation in related advanced areas of research; and
- Contribution to national security.



## Major achievements in the field of Atomic Energy during 2021-2022

1. India remains committed to the peaceful uses of nuclear energy, both on research and application fronts. Indian nuclear power reactors have been setting records in long continuous operation. Nuclear Power Corporation of India Ltd (NPCIL) units have operated continuously for durations of more than a year 39 times and more than two years 4 times. Excavation work has commenced for Kaiga Units 5&6 - the first pair of 700 MW PHWRs being constructed in fleet mode.
2. Bhabha Atomic Research Centre (BARC) has continued to be at the forefront in advancing the non-power applications of nuclear science and technology to improve the quality of life for the citizens and contribute to the societal and economic development of the nation. Scientific research has uncovered beneficial applications of radioisotopes and radiation in agriculture, medicine, and industry.
3. Heavy Water Board (HWB), which is the largest global producer of heavy water has exported Heavy Water to Iwatani, Japan; Hyosung, South Korea, and Millipore sigma, the USA for non-nuclear applications.
4. Indira Gandhi Centre for Atomic Research (IGCAR) is the hub of R&D activities for the development of challenging fast breeder reactor technology. Fast Breeder Test Reactor core has incorporated a unique feature of poison subassemblies with enriched boron carbide pellets for flux flattening as well as to ensure shut-down margins. I would also like to mention here that FBTR has a unique core design for U-Pu carbide fuel with Pu content of 70%. India has also demonstrated closure of carbide fuel cycle successfully.
5. Variable Energy Cyclotron Centre (VECC), another important research institute of DAE, has commenced commercial production and supply of  $^{68}\text{Ga}$ -PSMA-11, using the 30 MeV Medical Cyclotron in a joint venture with BRIT. This radiopharmaceutical is used for the management of patients suffering from prostate cancer.



6. As part of its collaboration with ITER for developments in the field of Fusion Technologies, Institute for Plasma Research (IPR) has supplied approximately 4 km of Cryolines, and about 6 km of return lines for warm gases, manufactured in India to the ITER Work site in France. These are 'first of a kind system' in terms of large size (diameter up to 1 m). IPR has also helped in completion of the Assembly of Top Lid Sectors of the Cryostat of ITER tokamak.
7. Tata Memorial Centre (TMC), a constituent health care unit of DAE, has been at the forefront of enhancing the cancer treatment facilities in the country. The first Allogenic Bone Marrow Transplantation (BMT) and the first paediatric bone marrow transplantation in the North East Region of India have been performed at Guwahati. The first patient in India received indigenously developed CAR-T-Cellular Therapy in June 2022.





## Chapter - 2

### Activities of DAE Accounts

The Secretary, DAE is the Chief Accounting Authority of the Department. The Chief Controller of Accounts, of the Department of Atomic Energy, looks after functions of Budget and Principal Accounts Office, Internal Audit in addition to compilation & reviewing of statutory Audit paras.

The Budget Section consolidates the budget of the Department online through an in-house software program namely DAE Budget Automation System (DAEBAS). This software is a pioneering work of DAE. The budget data seamlessly flows to Budget Section from 14 budgeting authorities. The compiled data is placed before the Atomic Energy Commission for approval and onward submission to Ministry of Finance. The Budget Section is headed by Budget and Planning Officer and supported by (one) 1 Deputy Controller of Accounts and (Two) 2 Assistant Accounts Officers. The activities of budget section also includes distribution / allocation of funds to the Constituent Units, preparation of re-appropriation orders, submission of supplementary grants & surrenders to Ministry of Finance.

The Principal Accounts Office consolidates the accounts of the Department in the manner prescribed by the Controller General of Accounts, Ministry of Finance. There are 24 Pay & Accounts Offices (PAOs) and 8 Sub-pay and Accounts Offices (SPOs/DDOs) in the Department.

The Principal Accounts Office is presently manned by one Joint Controller (Finance & Accounts), one Deputy Controller of Accounts and two Assistant Accounts Officers under the Chief Controller of Accounts. The two sections namely, 'Control' and 'Finance Accounts' carryout the work related to compilation of Monthly Accounts, preparation of Annual Accounts, preparation of 'Budget for Public Accounts, Receipts, Composite Grants and Pension', monitoring Implementation of PFMS, National Pension System, maintenance of DDR Balances, preparation of MIS Reports etc.

The Monthly Accounts received from PAOs (Non-PFMS) are scrutinized and validated in the software developed in-house. The validated Accounts are



consolidated in 'Principal Accounts Consolidation software' which is also developed in-house.

As required by the Office of Controller General of Accounts, New Delhi the monthly account of each PAO of the Department is uploaded into PFMS Portal. The consolidated accounts, which are to be submitted to the O/o CGA by 10th of following month are submitted before due date. Report on the expenditure/receipts to CGA in the form of a "Flash Report" is regularly furnished by 1st working day of every month. Chief Controller of Accounts apprises CGA about the status of various suspense heads, reconciliation of Cheques & Bills, information relating to settlement of retirement benefits, receipt of utilization certificates etc.

The statements indicating the progress of expenditure up to the current month is provided to the PAOs for review & reconciliation immediately after consolidation of the Accounts. In addition to review at PAO level, the Principal Accounts Office also conducts extensive review of expenditure, receipts and DDR heads. The review of expenditure highlights shortcomings, which are brought to the attention of Heads of the Units for necessary corrective action. Chief Controller of Accounts reviews the status of expenditure on a monthly basis.



## Chapter - 3

### 3.1 Highlights of Annual Accounts

Department of Atomic Energy was authorized to operate its funds under Revenue and Capital Division of Grant No.3 - Atomic Energy during financial year 2021-22. The Gross Expenditure for the year was ₹ 31610.90 Crore against the Budget estimate of ₹ 27795.40 Crore which is inclusive of ₹5304.57 Crore, obtained through Supplementary Grants. The expenditure consists of revenue expenditure of ₹14972.59 Crore and capital expenditure of ₹16638.31 Crore.

The Department has surrendered an amount of ₹ 1199.56 Crore to the Ministry of Finance and there was an overall saving of ₹ 289.51 Crore during the year w.r.t final grant of ₹31900.41 Crore.

### 3.2 Summary of Accounts

( ₹ in crores)							
	B.E.	SUPPL GRANT	R.E.	SURRENDER	FINAL GRANT	ACTUALS	Utilization %
	2021-22	2021-22	2021-22	2021-22	2021-22	2021-22	2021-22
REVENUE	16392.20	0.02	15466.35	1199.56	15192.66	14972.59	95.56
CAPITAL	11403.20	5304.55	15835.57	0.00	16707.75	16638.31	99.58
<b>TOTAL</b>	<b>27795.40</b>	<b>5304.57</b>	<b>31301.92</b>	<b>1199.56</b>	<b>31900.41</b>	<b>31610.90</b>	<b>99.09</b>



## Chapter - 4

### 4.1.1 Fund Flow during the Financial Year 2021-22

( ₹ in Crore)

RECEIPTS (Cr.)	AMOUNT	DISBURSEMENTS (Dr.)	AMOUNT
<b><u>CONSOLIDATED FUND OF INDIA (C.F.I.)</u></b>		<b><u>CONSOLIDATED FUND OF INDIA (C.F.I.)</u></b>	
REVENUE RECEIPTS	7539	REVENUE :	15658
		GENERAL SERVICES	840
INTEREST RECEIPTS	1926	ECONOMIC SERVICES	14818
OTHER RECEIPTS	2578	SOCIAL SERVICES	01
		<b>CAPITAL :</b>	<b>8836</b>
LOAN RECOVERIES	814	ECONOMIC SERVICES	6923
		LOANS & ADVANCES	1913
<b>TOTAL</b>	<b>12857</b>	<b>TOTAL</b>	<b>24494</b>
<b><u>PUBLIC ACCOUNT</u></b>		<b><u>PUBLIC ACCOUNT</u></b>	
SMALL SAVINGS & PROVIDENT FUND	583	PROVIDENT FUND	502
DEPOSITS AND ADVANCES	296	DEPOSITS AND ADVANCES	132
RESERVE FUNDS	0	RESERVE FUNDS	35
SUSPENSE	20617	SUSPENSE	9190
<b>TOTAL</b>	<b>21496</b>	<b>TOTAL</b>	<b>9859</b>
<b>TOTAL - RECEIPTS</b>	<b>34353</b>	<b>TOTAL - DISBURSEMENTS</b>	<b>34353</b>

**Note: CONSOLIDATED FUND OF INDIA**

1. Revenue Receipts consists of Revenue from Commercial Undertakings (HWB, NFC & BRIT), Lease Charges on Heavy Water, Lease Charges on Fuel and sale of Isotopes etc.
2. Interest Receipts consists of Interests received from Commercial Undertakings, Interests on loans from Government servants
3. Other receipts consists of Nuclear Liability Fund and other miscellaneous receipts.
4. Recovery of Loans from Public Sector Undertakings and repayment of loans by Govt. Servants,

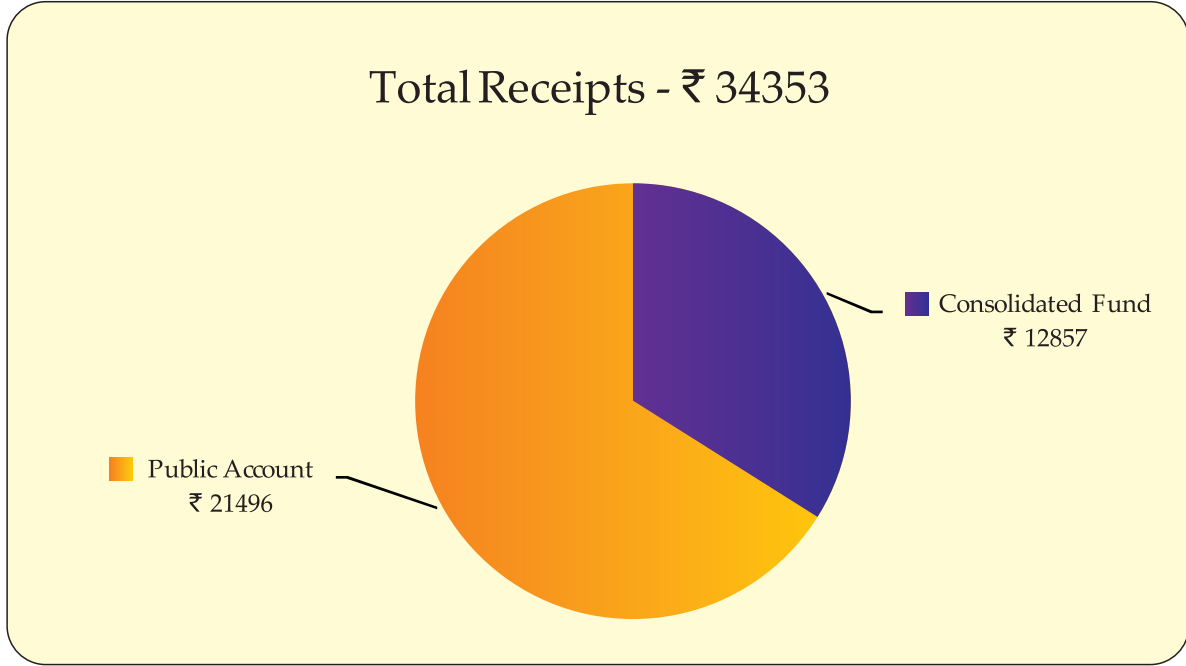
**PUBLIC ACCOUNT**

5. Small Savings and Provident Funds consists of Central Government Employees Group Insurance (CGEGIS), General Provident Fund and Contributory Provident Fund etc.
6. Deposits & Advances consists of Earnest Money Deposits(EMD), Security Deposits(SD), Unclaimed Deposits of Provident Funds and other Deposits etc.

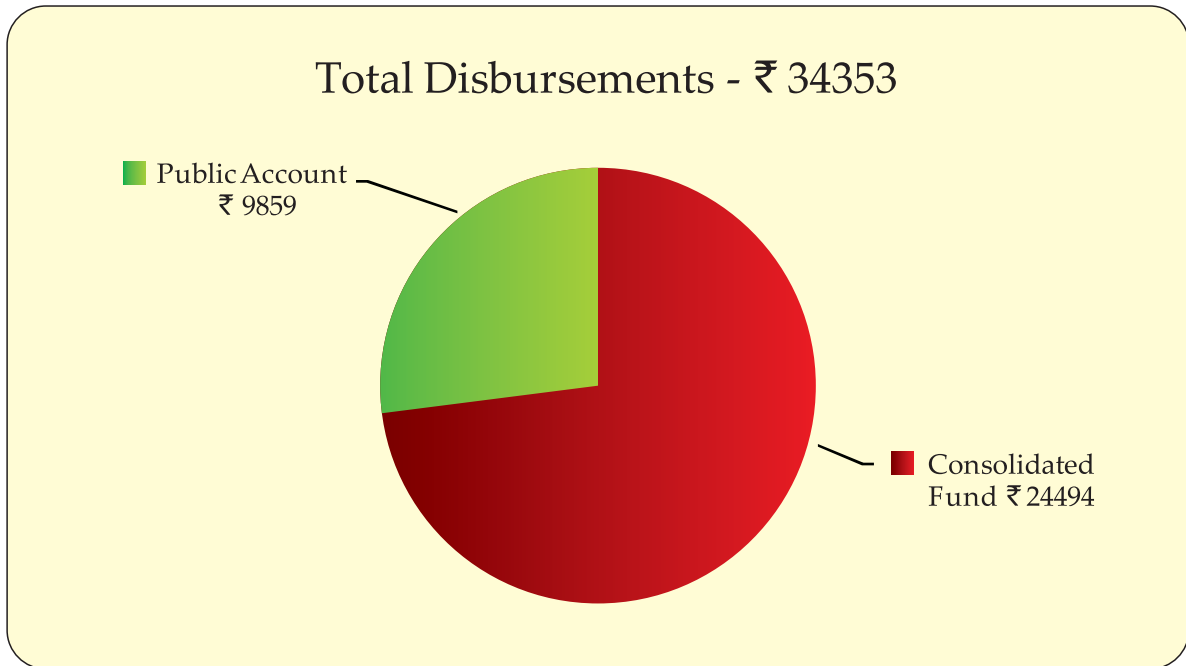


### 4.1.2 Fund Flow during the Financial Year 2021-22

(₹ in Crore)



(₹ in Crore)





### 4.2 Details of Receipts during the Financial Year 2021-22

( ₹ in Crore)

Sr. No.	Item	Actuals		
1	<b>Tax Revenue</b>			
	1.1. 0020 - Corporation Tax	17		
	1.2 0021 - Income Tax	724		
	<b>Total Tax Revenue</b>			<b>741</b>
2	<b>Non-Tax Revenue</b>			
	2.1 Interest Receipts	1926		
	2.2 Dividend	1778		
	2.3 Power	5015		
	2.4 Industries	2394		
	2.5 Atomic Energy Research etc.	130		
	2.6 Others	60		
	<b>Total Non-Tax Revenue</b>			<b>11303</b>
3	<b>Loan Recoveries From PSUs</b>			<b>809</b>
4	<b>Repayment from Govt. Servants</b>			<b>5</b>
<b>TOTAL</b>				<b>12858</b>

**Note : TAX REVENUE**

1. Corporation Tax and Income Tax are TDS from Companies, Contractors Bills and from Employees etc.

**NON-TAXREVENUE**

2. Dividend from PSUs, revenue from Commercial Undertakings, Lease Charges on Heavy Water / Fuel, sale of Isotopes, Interests from Commercial Undertakings/ Government Servants.
3. Nuclear Liability Fund, repayment of loans by Public Sector Undertakings / Government Servants etc.



## Chapter - 5

### 5.1.1 Disbursement Under Consolidated Fund during the Financial Year 2021-22

(Bookings done by DAE and other Ministries on behalf of DAE)

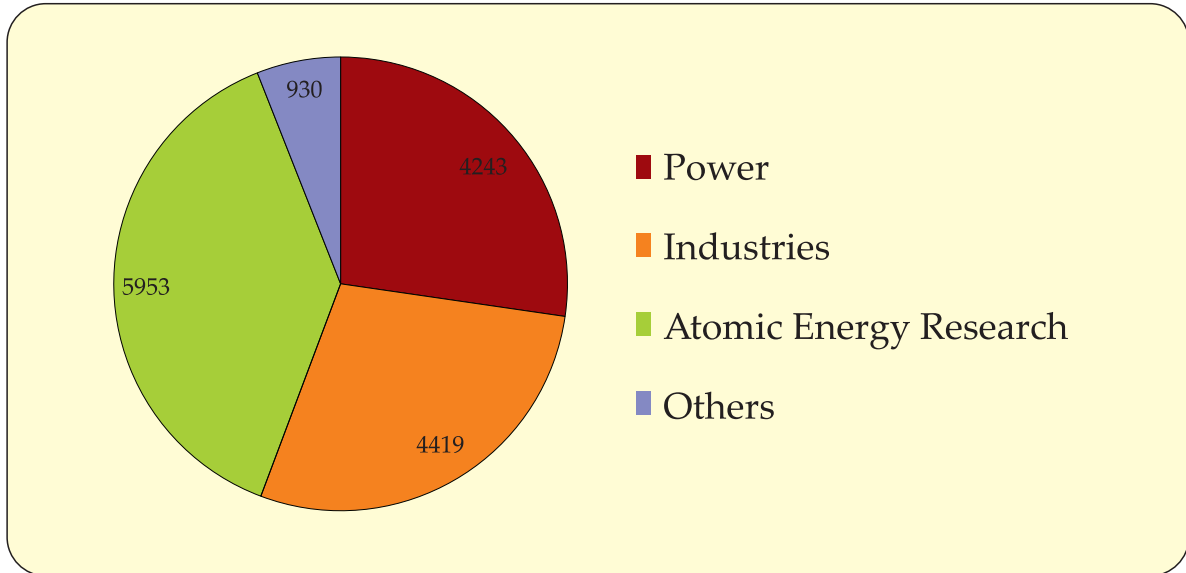
(₹ in Crore)

Sr. No.	Item	Actuals
	<b>Revenue</b>	
1	Interest Payment	183
2	Pension and Other Retirement Benefits	657
3	Power	3616
4	Industries	5066
5	Atomic Energy Research	6231
6	Department of Science & Technology	33
7	Social Services	1
8	Secretariat - Economic Services	59
	<b>Total - Revenue (1 to 8)</b>	<b>15846</b>
	<b>Capital</b>	
9	Power Project	8905
10	Atomic Energy Industries	4719
11	Atomic Energy Research	3014
12	Loans to Government Servants etc.	4
	<b>Total - Capital (9 to 12)</b>	<b>16642</b>
	<b>Total - Disbursements (1 to 12)</b>	<b>32488</b>



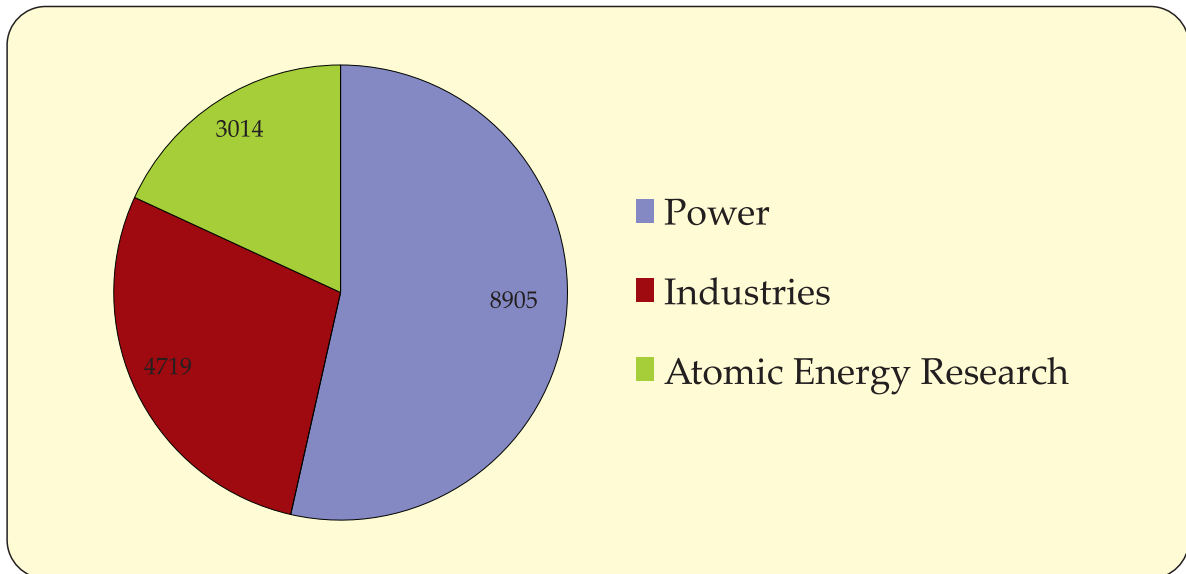
### 5.1.2 Disbursement Under Consolidated Fund Revenue (Total ₹ 15846 Crore)

(₹ in Crore)



### 5.1.3 Disbursement Under Consolidated Fund Capital (Total ₹ 16642 Crore)

(₹ in Crore)







**5.2 Debt, Deposit, Remittance & Suspense Head Balances  
in Finance Accounts 2021 - 22**

(₹ in Crore)

Major Head	Opening Balance as on 1.4.2021	Receipts during 2021-22	Disbursement during 2021-22	Closing Balance as on 31.3.2022
<b><u>CONSOLIDATED FUND OF INDIA</u></b>				
<b><u>LOANS &amp; ADVANCES</u></b>				
6801 - Loans for Power Projects	Dr. 8796.90	809.03	1909.00	Dr. 9896.87
7475 - Loans for Other General Economic Services	Cr. 0.00	0.00	0.00	Cr. 0.00
7610 - Loans to Government servants etc.	Dr. 18.17	4.52	4.03	Dr. 17.68
<b>Total - CONSOLIDATED FUND</b>	<b>Dr. 8815.07</b>	<b>813.55</b>	<b>1913.03</b>	<b>Dr. 9914.55</b>
<b><u>PUBLIC ACCOUNT</u></b>				
<b><u>SMALL SAVINGS, PROVIDENT FUND ETC.</u></b>				
8008 - Income & Expenditure of National Small Savings	Dr. 0.19	0.00	0.00	Dr. 0.19
8009 - State Provident Fund	Cr. 2812.92	573.16	491.01	Cr. 2895.07
8011 - Insurance & Pension Funds	Dr. 55.42	2.56	10.83	Dr. 63.69
8012 - Special Deposits & Accounts	Cr. 3.91	0.00	0.00	Cr. 3.91
8014 - Postal Life Insurance Scheme	Cr. 83.00	7.52	0.00	Cr. 90.52
<b>Total - SMALL SAVINGS, PF ETC.</b>	<b>Cr. 2844.23</b>	<b>583.24</b>	<b>501.83</b>	<b>Cr. 2925.64</b>

continue.....



**5.2 Debt, Deposit, Remittance & Suspense Head Balances  
in Finance Accounts 2021 - 22**

(₹ in Crore)

Major Head	Opening Balance as on 1.4.2021	Receipts during 2021-22	Disbursement during 2021-22	Closing Balance as on 31.3.2022
<b><u>RESERVE FUNDS</u></b>				
8115 - Depreciation/Renewals of Reserve Fund	Cr. 461.89	0.00	34.89	Cr. 427.00
8121 - General & Other Reserve Fund	Cr. 0.00	0.00	0.00	Cr. 0.00
<b>Total - RESERVE FUNDS</b>	<b>Cr. 461.89</b>	<b>0.00</b>	<b>34.89</b>	<b>Cr. 427.00</b>
<b><u>DEPOSITS AND ADVANCES</u></b>				
8443 - Civil Deposits	Cr. 1317.32	295.48	132.21	Cr. 1480.59
8550 - Civil Advances	Dr. 0.34	0.19	0.15	Dr. 0.30
<b>Total - DEPOSITS AND ADVANCES</b>	<b>Cr. 1316.98</b>	<b>295.67</b>	<b>132.36</b>	<b>Cr. 1480.29</b>
<b><u>SUSPENSE &amp; MISCELLANEOUS</u></b>				
8658 - Suspense Accounts	Cr. 461.37	93.01	17.30	Cr. 537.08
8670 - Cheques and Bills	Cr. 10.57	58.94	0.00	Cr. 69.51
8672 - Permanent Cash Imprest (Civil)	Dr. 0.25	0.02	0.04	Dr. 0.27
8674 - Security Deposits made by Govt.	Dr. 123.55	2.67	0.77	Dr. 121.65
8675 - Deposits with Reserve Bank (Closed to Govt. Account)	Closed to Govt. A/c.	20462.40	9171.88	Closed to Govt. A/c.
8680 - Misc. Govt. Account	Closed to Govt. A/c.	0.00	0.00	Closed to Govt. A/c.
<b>Total - SUSPENSE &amp; MISCELLANEOUS</b>	<b>Cr. 348.13</b>	<b>20617.04</b>	<b>9189.99</b>	<b>Cr. 11775.18</b>
<b>Total - PUBLIC ACCOUNT</b>	<b>Cr. 4971.23</b>	<b>21495.95</b>	<b>9859.07</b>	<b>Cr. 16608.11</b>



### 5.3 Statement of Central Transactions (SCT) of other Ministries

Though the Grant No.3 - Atomic Energy is totally controlled by this Department, some portion of funds were placed at the disposal of other Ministries to incur expenditure on behalf of this Department. During the year 2021-22 Ministry of External Affairs incurred expenditure to the tune of ₹ 4.43 Crore in respect of two regular establishments abroad viz. Embassy of India, Vienna and Technical Liaison Mission, Paris.

### 5.4 Statement of Central Transactions (SCT) of DAE

Principal Accounts Office, DAE had also incurred expenditure on behalf of other Ministries. All these expenditures were routed through the Statement of Central Transactions of DAE and appeared in the Appropriation Accounts of respective Ministries. The statement given below indicates such cases:

Grant No.	Details	₹ in Crore	Ministry against which the bookings made
37	Major Head -2049-Interest Payment	183.49	Ministry of Finance
29	Major Head -7610-Loans to Government Servants	4.03	Ministry of Finance
39	Major Head -2071-Pension and Other Retirement Benefits	656.72	Ministry of Finance, Central Pension Accounting Office
39	Major Head -2235-Social Securities and welfare	0.60	Ministry of Labour
88	Major Head -3425-Other Scientific Research	32.81	Ministry of Science & Technology



## 5.5 Appropriation Accounts

The Appropriation Accounts of the Department indicates the financial transactions that have taken place under Grant No. 3 - Atomic Energy. Expenditure incurred under Revenue and Capital Divisions along with its bifurcation into Charged and Voted is depicted in the Appropriation Accounts.

The charts given in the next pages explain the fund allocation and their utilization in the Department. The actual expenditure under the Grant could not reach the B.E. for various reasons resulting in savings in excess of ₹100 Crore.

An Explanatory Note for the saving in excess of ₹100 Crore under Revenue & Capital Division has been furnished to Director General of Audit, Central Revenues for vetting after which it will be furnished to The Public Accounts Committee through Ministry of Finance.

The Appropriation Accounts under Grant No. 3 - Atomic Energy is explained in the next two pages.

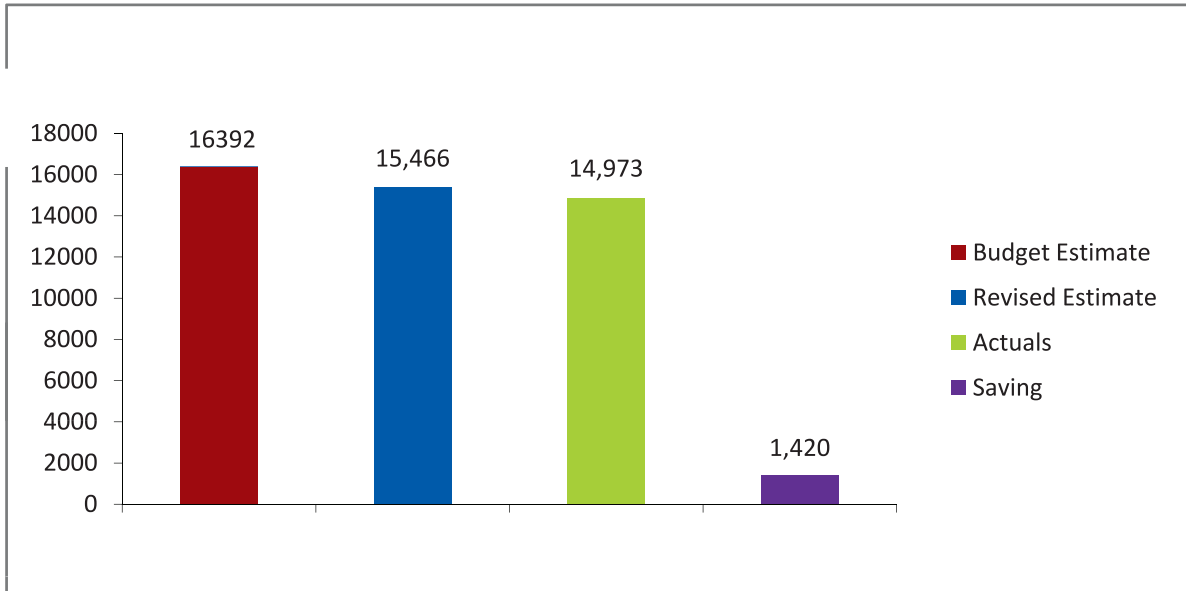
5. SUMMARY OF APPROPRIATION ACCOUNTS 2021-22				
( ₹ in Crore)				
Division	B.E	R.E	Actuals	Savings
REVENUE	16392.2	15466.35	14972.59	1420.00
CAPITAL	11403.2	15835.57	16638.31	0.00
<b>TOTAL</b>	<b>27795.4</b>	<b>31301.92</b>	<b>31610.9</b>	<b>1420.00</b>



### Appropriation Accounts 2021-22

#### Atomic Energy Revenue Division

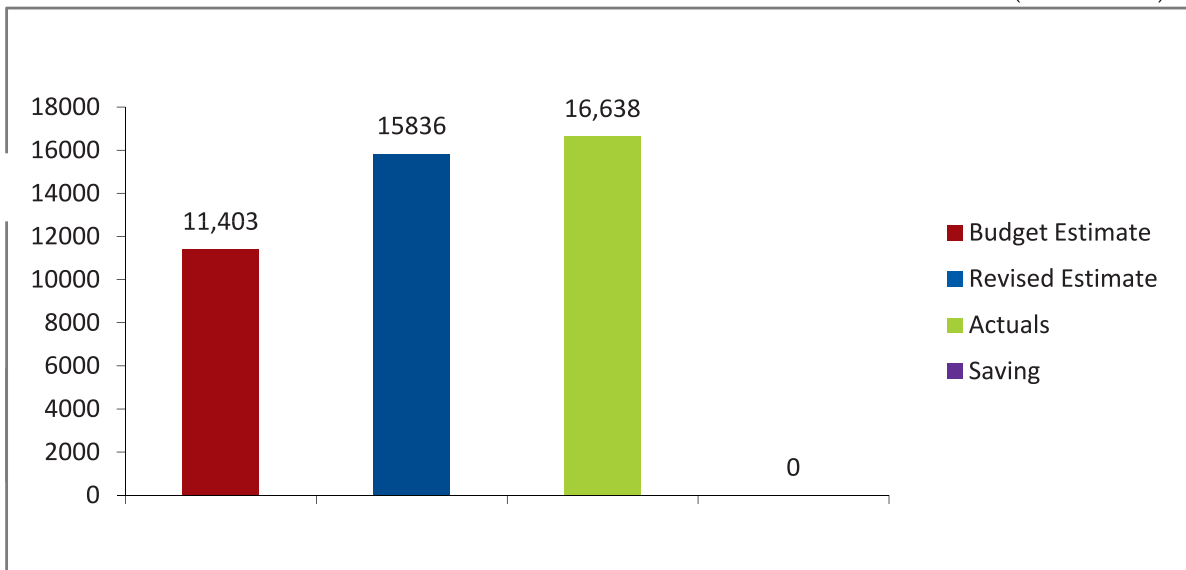
( ₹ in Crore)



### Appropriation Accounts 2021-22

#### Atomic Energy Capital Division

( ₹ in Crore)





**5.5.1 Major Sectorwise Statement for the Year 2021 - 22  
(Grant No. 3)**

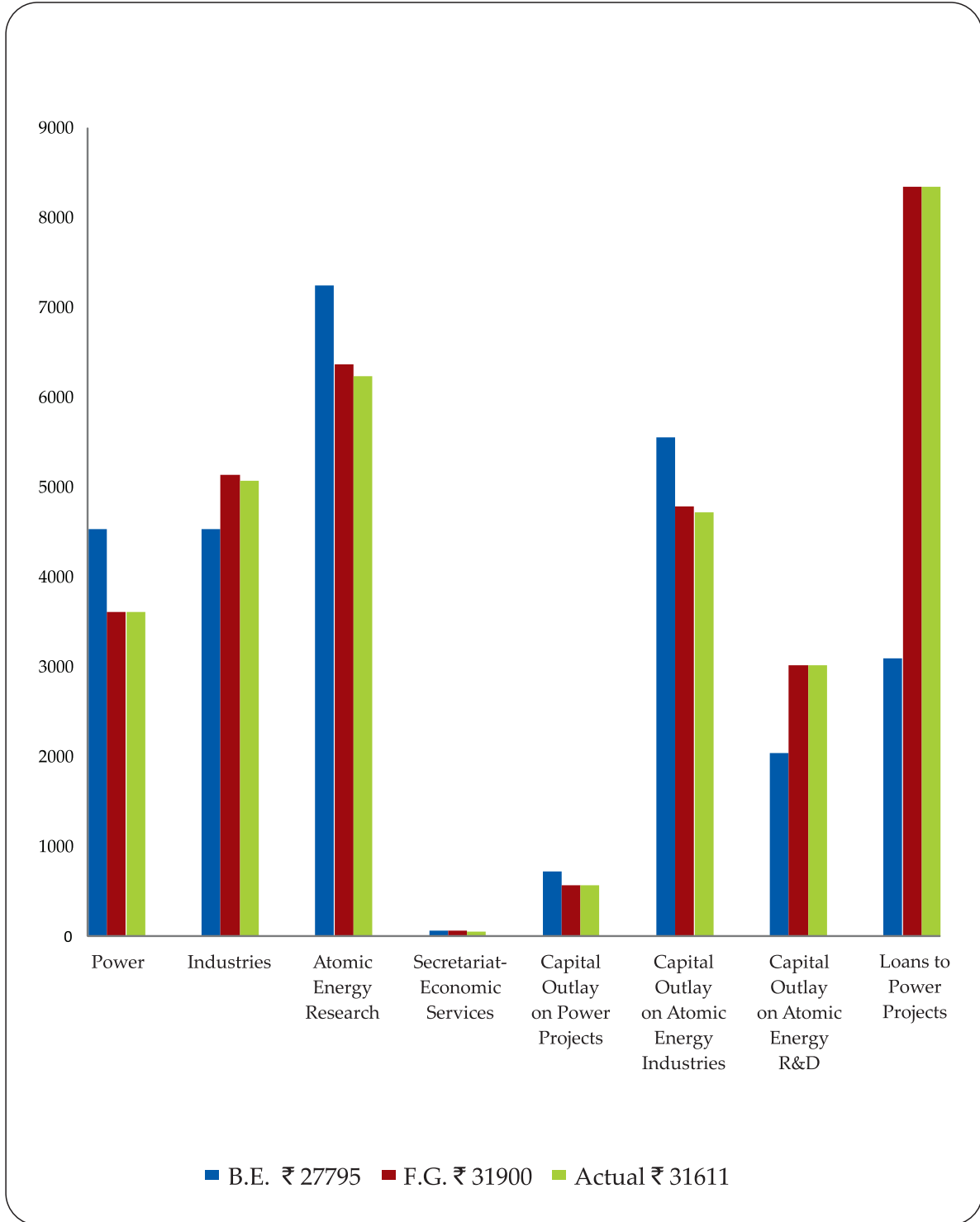
(₹ in Crore)

Major Head	B.E. 2021-22	R.E. 2021-22	F.G. 2021-22	Actual Expenditure
<b><u>Grant No. 3 Atomic Energy</u></b>				
2801-Power	4535	4235	3616	3616
2852-Industries	4538	4579	5141	5066
3401-Atomic Energy Research	7249	6583	6370	6231
3451-Secretariat - Economic Services	69	69	65	59
4801-Capital Outlay on Power Projects	720	594	570	569
4861-Capital Outlay on Atomic Energy Industries	5553	4542	4780	4719
5401-Capital Outlay on Atomic Energy R&D	2041	2363	3021	3014
6801-Loans to Power Projects	3090	8337	8337	8337
<b>Total - Grant No. 3</b>	<b>27795</b>	<b>31302</b>	<b>31900</b>	<b>31611</b>



### 5.5.2 Major Sectorwise Statement for the Year 2021-22

(₹ in Crore)





### 5.6 Details of Suspense

Operation of Suspense Heads is resorted for account in banking transactions (Public Sector Bank Suspense) & the transactions related to Ministry of Defence (PAO suspense). The operation of Suspense is closely monitored and the balance is ₹537.08 Crore (Credit) as on 31.03.2022.

The transactions under the various Suspense Heads during the year 2021-22 are as follows:

(₹ in Crore)

Head of Account	Transactions during 2021-22			
	Opening Balance as on 01.04.2021	Receipt during 2021-22	Disbursement during 2021-22	Closing Balance as on 31.03.2022
<b>8658 – SUSPENSE ACCOUNTS</b>				
Pay & Accounts Office Suspense	Cr. 421.26	88.73	0.00	Cr. 509.99
Suspense Accounts (Civil)	Cr. 2.09	(-)0.03	0.00	Cr. 2.05
Public Sector Bank Suspense	Cr. 38.51	(-)5.26	17.30	Cr. 15.96
GST	Dr. 0.49	9.57	0.00	Cr. 9.08
<b>Total - Suspense</b>	Cr. 461.37	93.01	17.30	Cr. 537.08



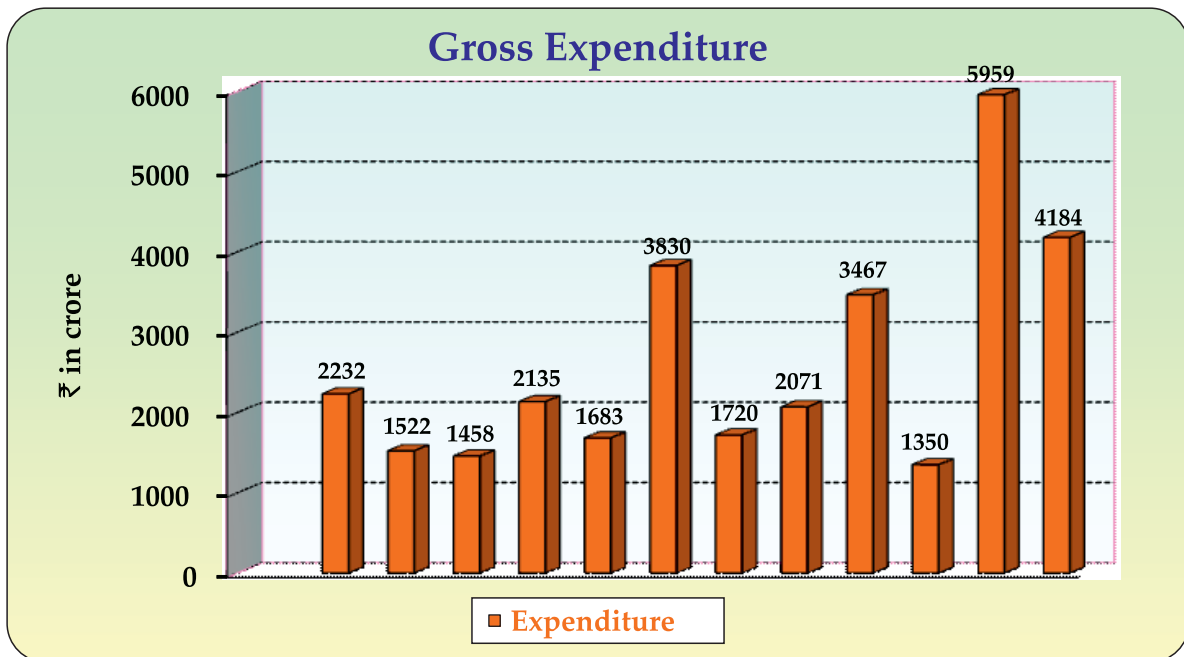


## Chapter - 6

### 6.1 Monthly Trend of Gross Expenditure for 2021-22 (Grant No. 3)

(₹ in Crore)

Month	Expenditure
April, 2021	2232
May	1522
June	1458
July	2135
August	1683
September	3830
October	1720
November	2071
December	3467
January, 2022	1350
February	5959
March	4184
<b>Total</b>	<b>31611</b>

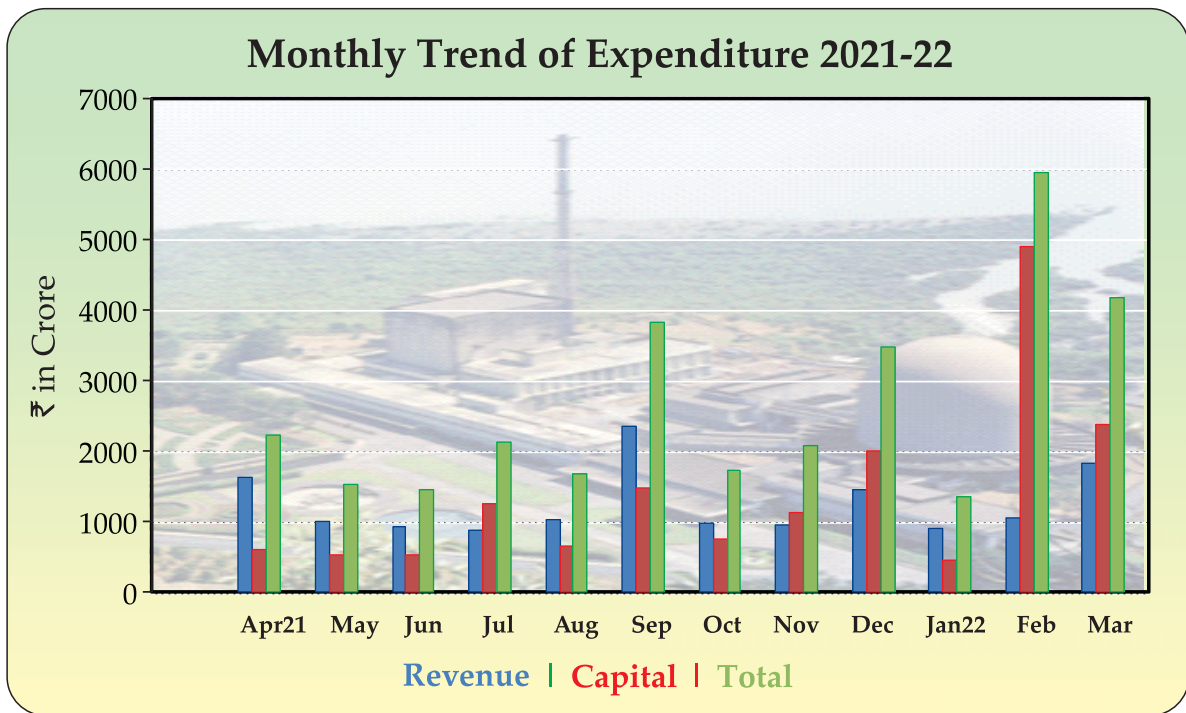




## 6.2 Monthly Trend of Revenue and Capital Expenditure for 2021-22 (Grant No. 3)

( ₹ in Crore)

Month	Grant No. 3 - Atomic Energy		
	Revenue	Capital	Total
April, 2021	1629	603	2232
May	990	532	1522
June	934	524	1458
July	880	1255	2135
August	1024	659	1683
September	2362	1468	3830
October	975	745	1720
November	956	1115	2071
December	1457	2009	3466
January, 2022	892	458	1350
February	1060	4899	5959
March	1814	2371	4185
<b>Total</b>	<b>14973</b>	<b>16638</b>	<b>31611</b>





## Chapter - 7

### Receipts of the Department during the Financial Year 2021 -22

#### 7.1 Revenue Receipts

(₹ in Crore)

MAJOR HEAD	B.E.	R.E.	ACTUALS
0801 - Power	3521.62	3246.10	5014.78
0852 - Industries	3848.92	3451.24	2394.02
1401 - R & D	84.31	113.33	130.02
<b>Total</b>	<b>7454.85</b>	<b>6810.67</b>	<b>7538.82</b>

#### 7.2 Recoveries Adjusted in Accounts as Reduction of Expenditure (Under Part-IV of DDG)

(₹ in Crore)

MAJOR HEAD	B.E.	R.E.	ACTUALS
2852	40.17	51.93	63.38
3401	66.00	71.00	120.04
4861	1527.43	1249.52	1319.98
<b>Total</b>	<b>1633.60</b>	<b>1372.45</b>	<b>1503.40</b>

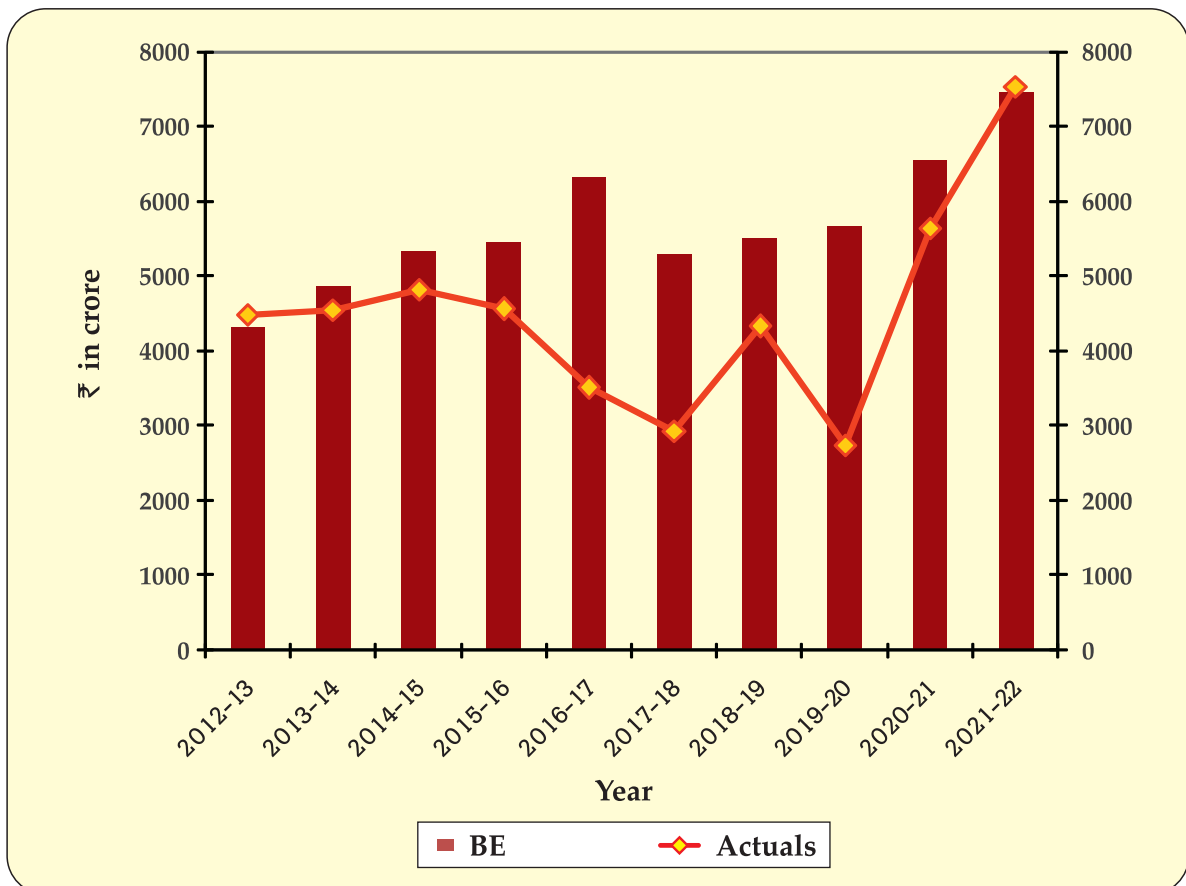


### 7.3 Departmental Revenue Receipts During 2012-13 to 2021-22

(₹ in Crore)

Year	B.E.	Actuals
2012-13	4318	4494
2013-14	4866	4554
2014-15	5335	4826
2015-16	5470	4562
2016-17	6320	3513
2017-18	5289	2935
2018-19	5496	4331
2019-20	5675	2744
2020-21	6545	5639
2021-22	7455	7539

#### Revenue Receipts 2012-13 to 2021-22



## Chapter - 8

### Financial Results

#### 8.1 Financial Performance during 2012-13 to 2021-22

(₹ in Crore)

Year	Budget + Sup.Grt.	Surrender	Final Grant	Actuals	Saving over B.E.
2012-13	13917	1799	12118	11982	1935
2013-14	15125	1514	13610	13437	1688
2014-15	16147	1591	14556	14281	1866
2015-16	17703	463	17240	16380	1323
2016-17	20105	1642	18463	18238	1867
2017-18	20676	281	20395	20067	609
2018-19	23903	566	23337	23303	600
2019-20	25096	31	25065	24880	216
2020-21	26692	4512	22180	22117	4575
2021-22	33100	1200	31900	31611	1489





## 8.2 Capital & Revenue Expenditure during 2012-13 to 2021-22

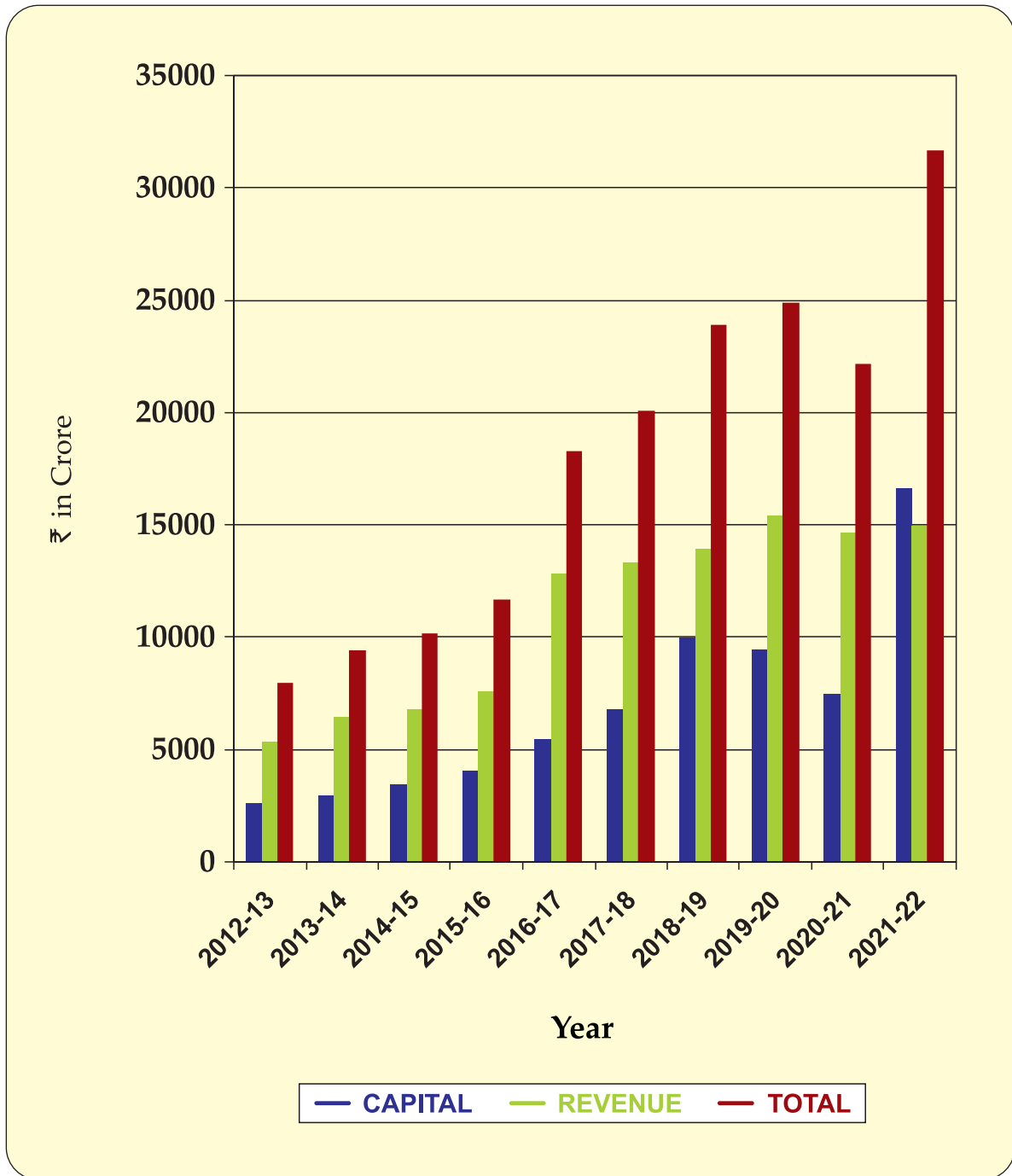
( ₹ in Crore)

Year	CAPITAL		REVENUE		TOTAL	
	BUDGET	ACTUAL	BUDGET	ACTUAL	BUDGET	ACTUAL
2012-13	3831	2590	5565	5331	9396	7921
2013-14	4122	2940	6638	6440	10760	9380
2014-15	4420	3394	6830	6771	11250	10165
2015-16	4514	4041	7640	7606	12154	11647
2016-17	7155	5419	12950	12819	20105	18238
2017-18	6878	6762	13798	13305	20676	20067
2018-19	9974	9956	13929	13347	23903	23303
2019-20	9590	9464	15506	15416	25096	24880
2020-21	10895	7453	15797	14664	26692	22117
2021-22	11403	16638	16392	14973	27795	31611

\* Note : Budget inclusive of Supplementary Grant



### 8.2.1 Capital & Revenue Expenditure During 2012-13 to 2021-22





### 8.3 Receipts and recoveries taken for netting during 2012-13 to 2021-22

( ₹ in Crore)

Year	RECEIPT		RECOVERY		TOTAL	
	BUDGET	ACTUAL	BUDGET	ACTUAL	BUDGET	ACTUAL
2012-13	4542	4300	136	210	4678	4510
2013-14	4960	4960	197	255	5157	5215
2014-15	5453	5061	248	212	5700	5272
2015-16	5741	4843	292	234	6033	5076
2016-17	6680	4171	320	1268	7000	5439
2017-18	5682	3714	1474	1272	7155	4986
2018-19	5932	4589	1615	1296	7547	5885
2019-20	5959	3578	1483	1498	25096	5075
2020-21	6813	5881	1650	1034	26692	6915
2021-22	7897	7494	1634	1503	27795	8998





## Chapter - 9

### Investments in PSUs

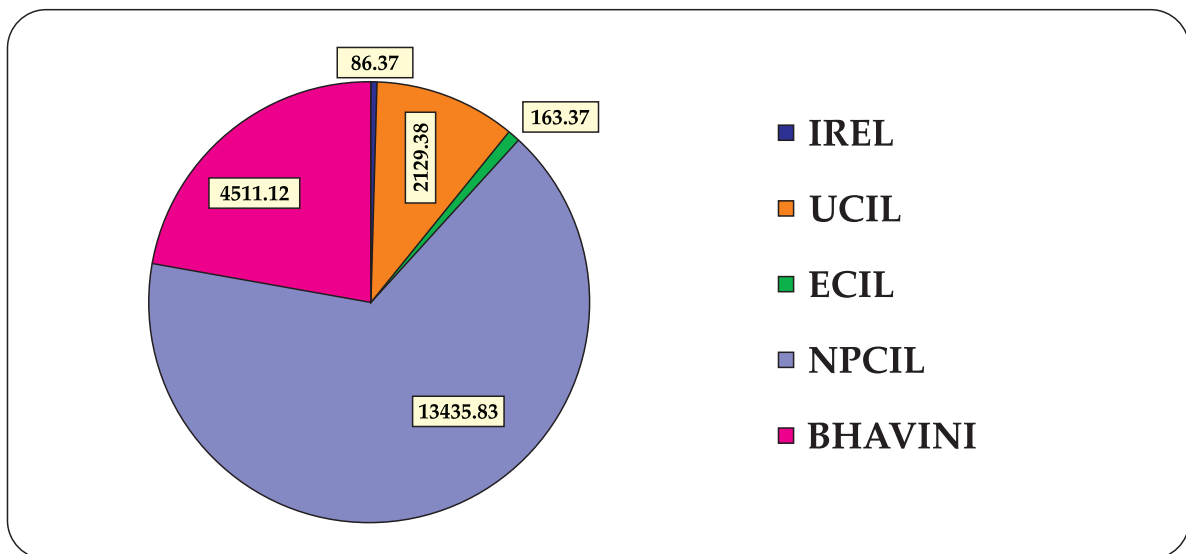
#### 9.1 Investments in PSUs as on 31.3.2022

(₹ in Crore)

Sl. No.	Public Sector Undertakings	Investments made as on 31.3.2021	Investments made in 2021-22	Total Investments as on 31.3.2022	Dividend Received During 2021-22
1	Nuclear Power Corporation of India Ltd.	13435.83	540.00	13975.83	1347.00
2	Bhartiya Nabhikiya Vidut Nigam Ltd. (Bhavini)	4511.12	0.00	4511.12	0.00
3	Uranium Corporation of India Ltd.	2129.38	0.00	2129.38	177.63
4	Electronics Corporation of India Ltd.	163.37	0.00	163.37	53.92
5	Indian Rare Earths Ltd.	86.37	0.00	86.37	199.71
	<b>Total</b>	<b>20326.07</b>	<b>540.00</b>	<b>20866.07</b>	<b>1778.26</b>

#### 9.1.1 Investments in PSUs as on 31.03.2022

(₹ in Crore)





## Chapter - 10

### Loans Given to PSUs

#### 10.1 Loans to PSUs

(₹ in Crore)

Sl. No.	Name of the PSU	Loan Outstanding as on 31.3.2021	Loan given during 2021-22	Loan repaid during 2021-22	Outstanding Loan as on 31.03.2022
1	Nuclear Power Corporation of India Ltd. (NPCIL)*	7796.91	1359.00	809.03	8346.88
2	Bharatiya Nabhikiya Vidyut Nigam Ltd. (BHAVINI)	1000.00	550.00	0.00	1550.00

\* For implementation of Kudankulam Nuclear Power Projects the Russian Federation has extended 85% of the value of the contract as credit. The credit utilized and yet to be repaid is reflected as outstanding loans against NPCIL.



## Chapter - 11

### Sector-wise Capital & Revenue Expenditure for the year 2021-22

#### CAPITAL

(₹ in Crore)

Sector	BE 2021-22	RE 2021-22	FG 2021-22	Expenditure upto MARCH (SY-II) 2022	% on BE	% on RE	% on FG
R & D	2040.81	2363.38	3021.19	3014.21	148	128	99.77
I & M	5553.46	4541.77	4780.08	4718.70	85	104	98.72
Power	3808.93	8930.42	8906.48	8905.40	234	100	99.99
Grant No. 3 - Atomic Energy	11403.20	15835.57	16707.75	16638.31	146	105	99.58

#### REVENUE

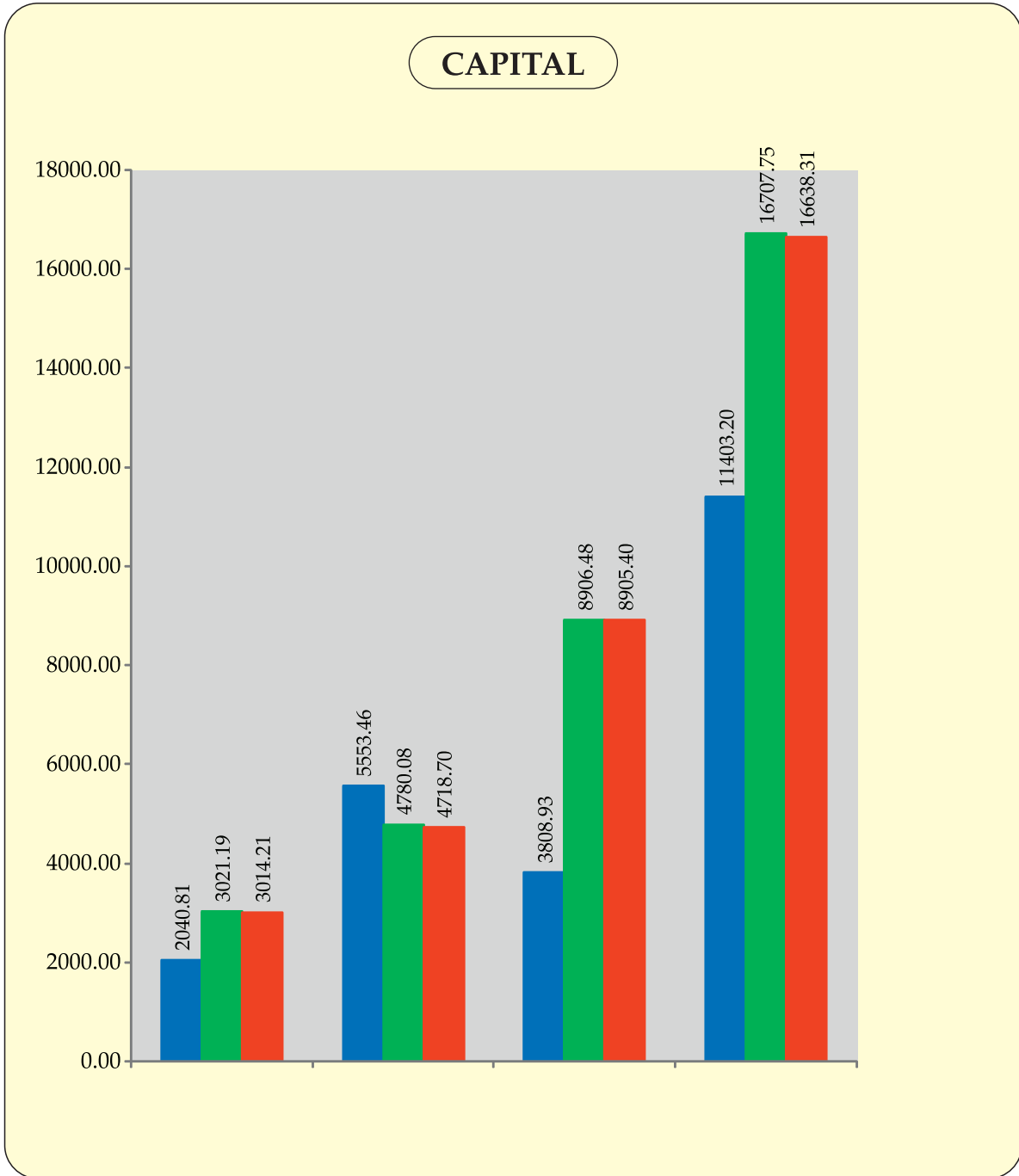
(₹ in Crore)

Sector	BE 2021-22	RE 2021-22	FG 2021-22	Expenditure upto MARCH (SY-II) 2022	% on BE	% on RE	% on FG
DAE Secretariat	69.25	69.30	65.00	59.50	86	86	91.54
R & D	7249.44	6583.14	6370.31	6231.49	86	95	97.82
I & M	4538.18	4579.21	5141.17	5065.70	112	111	98.53
Power	4535.33	4234.70	3616.19	3615.90	80	85	99.99
Grant No. 3 - Atomic Energy	16392.20	15466.35	15192.67	14972.59	91	97	98.55



### Sector-wise Capital & Revenue Expenditure for the Year 2021-22

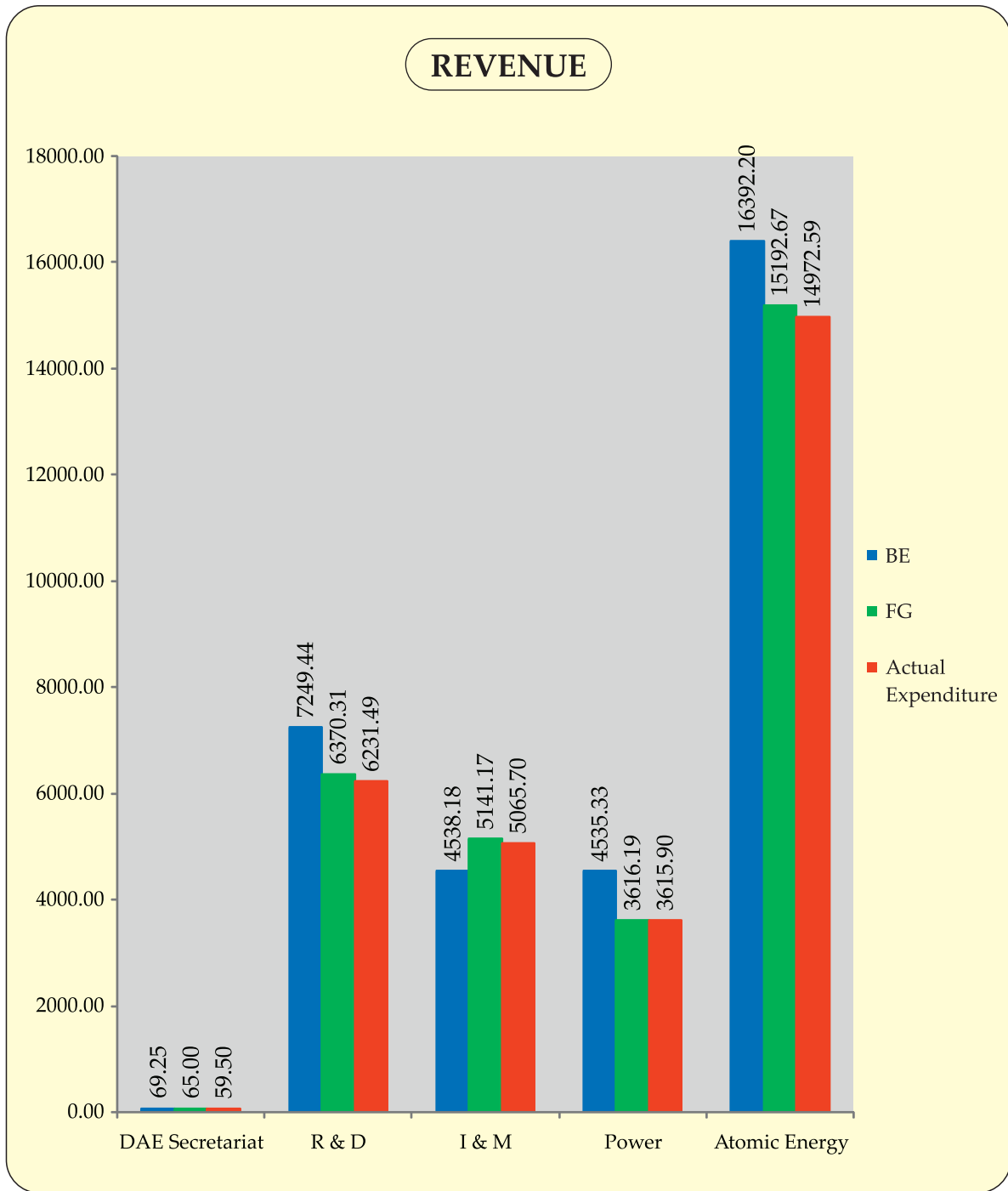
(₹ in Crore)





### Sector-wise Capital & Revenue Expenditure for the Year 2021-22

(₹ in Crore)





## Chapter - 12

### 12.1 Object Headwise Expenditure for the Year 2021-22

**Grant No. : 03 - Atomic Energy**

( ₹ in Crore)

Object Head	Account Description	Budget Estimates	Actuals
01	SALARIES	4916.48	4662.07
02	WAGES	1.72	3.77
03	OVERTIME ALLOWANCE	50.95	47.62
06	MEDICAL TREATMENT	1.11	1.14
11	DOMESTIC TRAVEL EXPENSES	69.17	73.26
12	FOREIGN TRAVEL EXPENSES	12.85	9.59
13	OFFICE EXPENSES	147.49	344.31
14	RENTS, RATES AND TAXES	6.52	10.40
16	PUBLICATIONS	24.57	30.54
20	OTHER ADMINISTRATIVE EXPENSES	4.27	4.21
21	SUPPLIES AND MATERIALS	7938.49	8497.91
24	P.O.L.	3.66	4.28
26	ADVERTISING AND PUBLICITY	15.32	17.89
27	MINOR WORKS	850.12	808.47
28	PROFESSIONAL SERVICES	610.43	654.22
30	OTHER CONTRACTUAL SERVICES	30.00	29.55
31	GRANTS-IN-AID GENERAL	487.19	465.60
32	CONTRIBUTIONS	96.05	228.68
34	SCHOLARSHIPS / STIPEND	39.18	24.67
35	GRANTS FOR CREATION OF CAPITAL ASSETS	1448.00	1446.00
36	GRANTS-IN-AID SALARIES	1166.47	1338.80
45	INTEREST	1340.00	1490.00

continue.....



(₹ in Crore)

Account Code	Account Description	Budget Estimates	Actuals
50	OTHER CHARGES	23.41	36.66
51	MOTOR VEHICLES	23.75	20.80
52	MACHINERY AND EQUIPMENT	1442.64	1435.81
53	MAJOR WORKS	1940.38	2361.26
54	INVESTMENTS	630.00	590.00
55	LOANS AND ADVANCES	3307.00	3090.00
60	OTHER CAPITAL EXPENDITURE	40.50	43.89
61	DEPRECIATION	24.00	24.00
<b>Total</b>	<b>Atomic Energy</b>	<b>26691.70</b>	<b>27795.40</b>



## Chapter - 13

### 13. Statement Showing Composite Grants For The Financial Year 2021-22

( ₹ in Crore)

HEAD OF ACCOUNT	Amount
<b>GRANT No: 37</b>	
<b>2049- Interest Payments</b>	
Interest on State Provident Fund	12.94
<b>Total : M.H. - 2049</b>	<b>12.94</b>
<b>GRANT No: 39</b>	
<b>2071- Pension &amp; Other Retirement Benefits</b>	
Superannuation & Retirement Allowance	2.42
Commuted Value of Pension	172.15
Gratuities	188.91
Family Pension	1.78
Contribution to Provident Fund	0.07
Leave Encashment Benefit	137.75
Government Contribution - New Pension Scheme	154.83
Deduct Recoveries	-0.15
<b>Total : M.H. - 2071</b>	<b>657.76</b>
<b>2235- Social Security &amp; Welfare</b>	
Deposit Linked Insurance Scheme (GPF/CPF)	0.58
C.G.E.I.S.	0.00
<b>Total : M.H. - 2235</b>	<b>0.58</b>
<b>GRANT No: 29</b>	
<b>7610- Loans to Govt. Servants etc.</b>	
House Building Advance	2.06
Advance for Purchase of Motor Conveyances	0.70
Other Conveyances	0.00
Other Advances	-0.02
Computer Advances	1.62
<b>Total : M.H. - 7610</b>	<b>4.36</b>





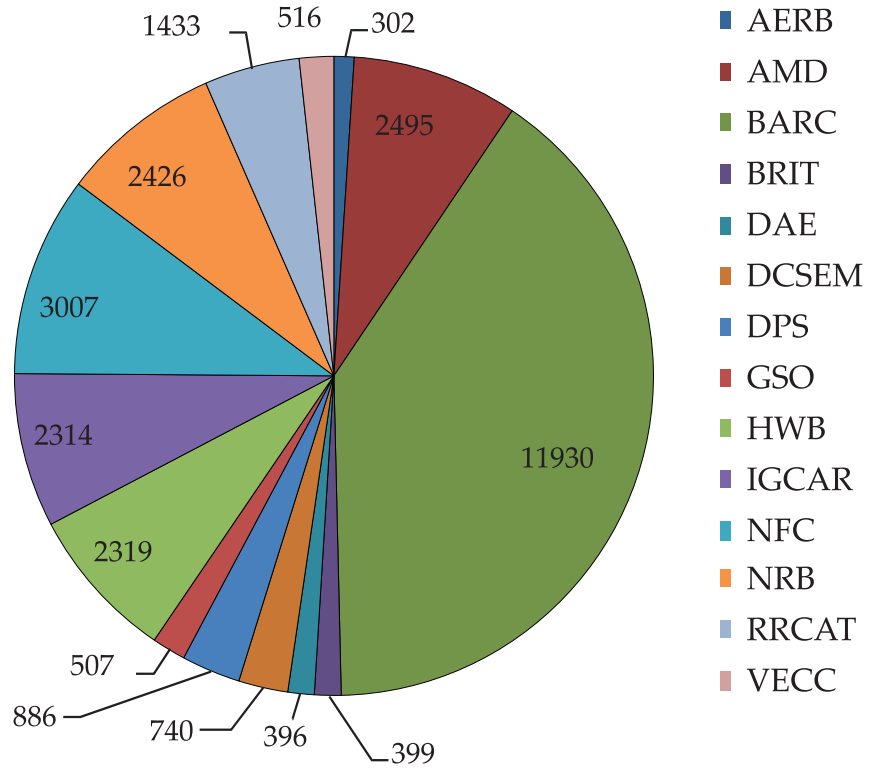
## Chapter - 14

### 15.1 Unit wise Staff Strength in Position as on 31.03.2022

Sl. no.	Unit	Group A	Group B	Group C	Unitwise Staff in position as on 31.03.2022
1	AERB	216	65	21	302
2	AMD	585	433	1477	2495
3	BARC	5307	2798	3825	11930
4	BRIT	178	98	123	399
5	DAE	99	146	151	396
6	DCSEM	146	227	367	740
7	DPS	40	447	399	886
8	GSO	128	198	181	507
9	HWB	866	681	772	2319
10	IGCAR	1305	534	475	2314
11	NFC	748	1029	1230	3007
12	NRB	887	745	794	2426
13	RRCAT	845	285	303	1433
14	VECC	232	132	152	516
	<b>TOTAL</b>	<b>11582</b>	<b>7818</b>	<b>10270</b>	<b>29670</b>



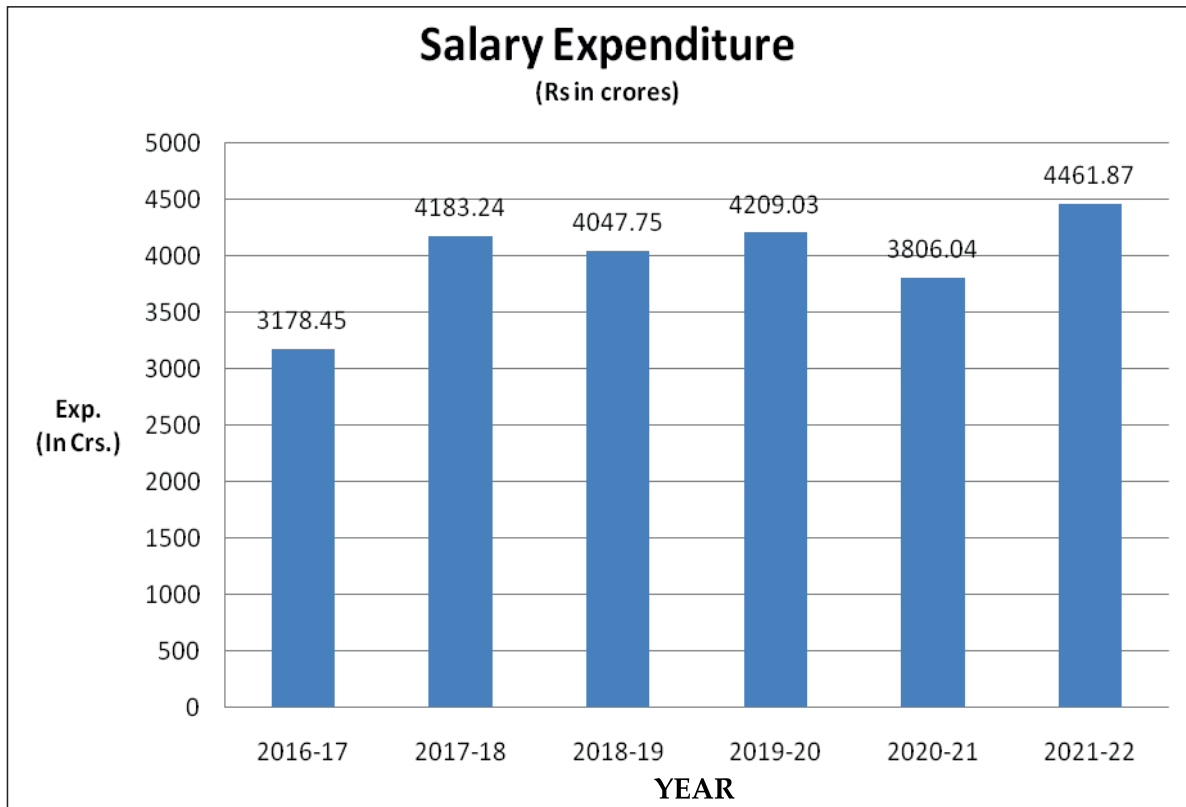
### Unitwise Staff in position as on 31.03.2022

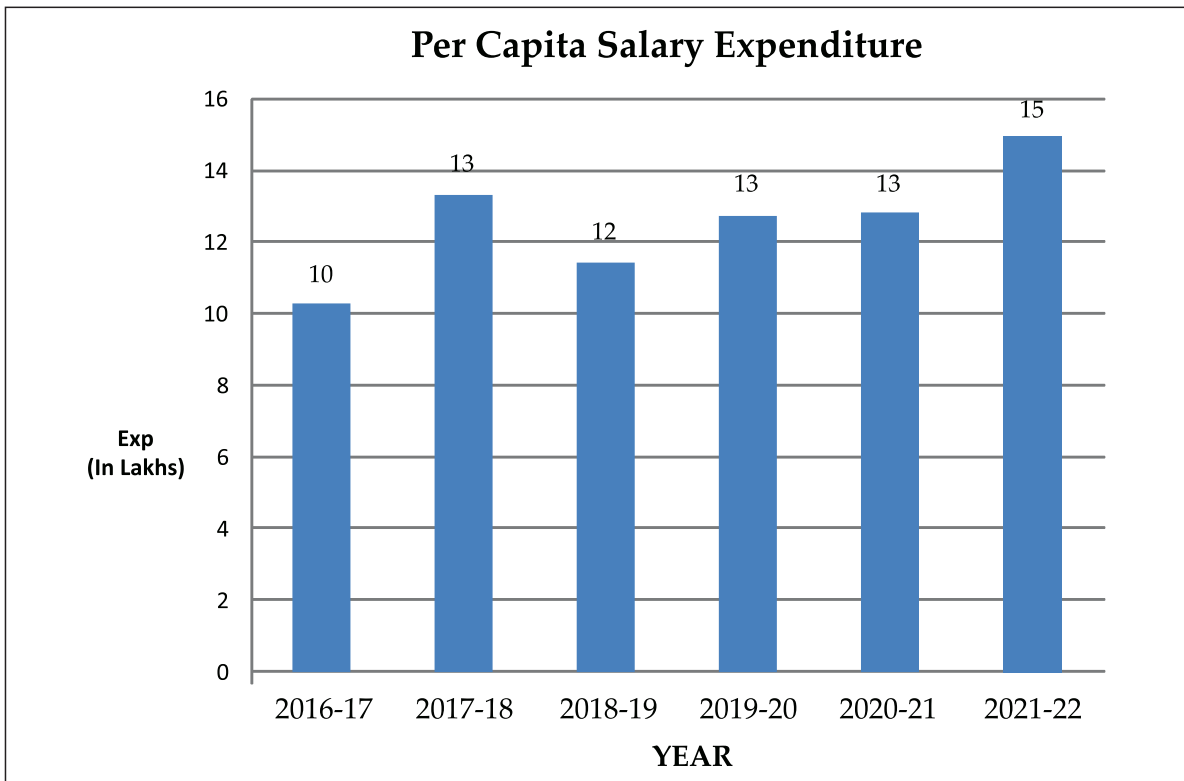




### 14.2 Details of Salary Expenditure and Staff in Position

Year	Staff In Position (in Nos)	Salary Expenditure (Rs in crore)	Salary Expenditure per employee (Rs in Lakhs)
2021-22	29670	4461.87	15
2020-21	29420	3806.04	13
2019-20	32764	4209.03	13
2018-19	35108	4047.75	12
2017-18	31112	4183.24	13
2016-17	30639	3178.45	10



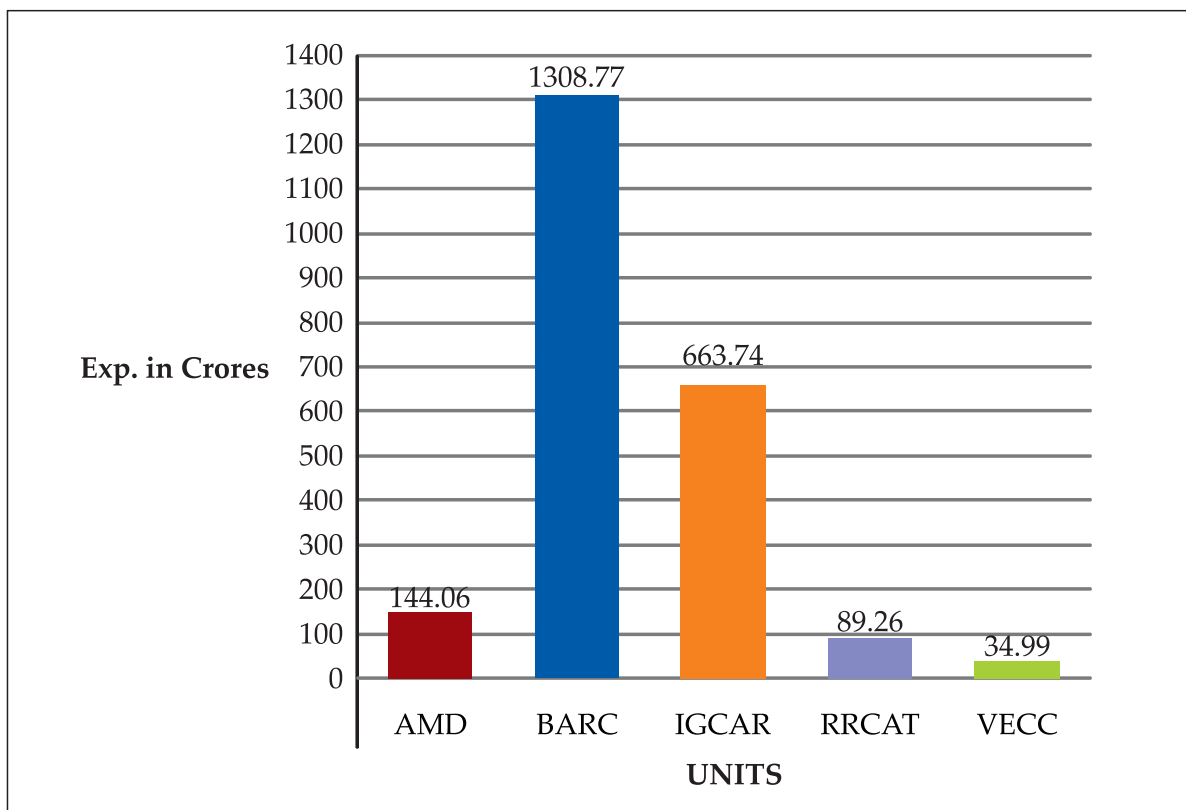




### 14.3 Capital Expenditure of R&D Units (2021-22)

Unit	Total Expenditure (Rs in Crore)	No of Employees	R&D Expenditure per employee (Rs in Lakhs)
Atomic Minerals Directorate for Exploration and Research	144.06	2495	6
Bhabha Atomic Research Centre	1308.77	11930	11
Indira Gandhi Centre for Atomic Research	663.74	2314	29
Raja Ramanna Centre for Advanced Technology	89.26	1433	6
Variable Energy Cyclotron Centre	34.99	516	7
	<b>2240.82</b>	<b>18688</b>	<b>12</b>

### 14.4 Capital Expenditure of R&D Sector (2021-22)





### 14.5 Status of Utilisation Certificates in Scientific Department

Ministry/ Departments	Number of Outstanding UCs	Share of total Outstanding UCs (%)	Amount pertaining to Outstanding UCs (Rs in Crore)	Share of amount pertaining to total Outstanding UCs (%)
1) DAE	942	1.90	117.39	0.5
2) DBT	15304	31.90	6114.00	27.5
3) DST	23866	49.70	3782.85	16.9
4) DSIR	1547	3.20	10834.41	48.3
5) DOS	756	1.60	48.64	0.2
6) MoES	631	1.30	63.70	0.3
7) MoEF&CC	4493	9.30	630.52	2.9
8) MNRE	518	1.00	794.40	3.5
<b>Total</b>	<b>48057</b>	<b>100</b>	<b>22385.91</b>	<b>100</b>

Source :- C&AG Audit Report for the year 2020-21



### 14.6 Current Tariff for sale of power from various Atomic Power Stations of NPCIL

Sl. No.	Name of Power Station	Capacity (MWe)	Tariff (₹/kWh)
1	Madras Atomic Power Station-1&2	2x220	2.61
2	Narora Atomic Power Station-1&2	2x220	2.99
3	Rawatbhata Atomic Power Station-2,3 &4	(1x200)+(2x220)	3.34
4	Rawatbhata Atomic Power Station-5 & 6	2x220	3.92
5	Tarapur Atomic Power Station-1 & 2	2x160	1.92
6	Tarapur Atomic Power Station -3 & 4	2x540	2.91
7	Kaiga Atomic Power Station - 1 to 4	4x220	3.49



## Chapter - 15

### 15.1 Internal Inspection Wing

Internal Inspection Wing functioning under the CCA is responsible for test checking the initial accounts records, subsidiary register maintained in the Accounting formation of the Department as also of the executive officers with a view to ensure that the initial records are maintained properly after following adequate rules & regulations, systems & procedures and financial matters.

Inspection of all Pay & Accounts Offices, Cheque Drawing DDOs, Sub-Pay Officers of Constituent Units, Executive Offices, Principal Accounts Office of DAE and Aided Institutes under the control of the Department has been carried out as per the approved Annual Inspection Programmes.

Regular monitoring and review of ATNs, Audit Notes on APMS Portal (Audit Para Monitoring System) of C&AG are carried out. Replies to ATNs duly vetted are uploaded on APMS portal.

### 15.2 Objectives and Scope of Audit

The objective of the internal inspection is not merely to point out omissions and defects in accounting system, but also to extend all possible assistance to various Units of the Department to ensure uniform financial and accounting procedures in the matter of payment and maintenance of various accounts. The success of the scheme would lie in its ability to ensure the adoption of sound procedures, regularity and accuracy of accounts, and offering suggestions in the areas of economy in Government expenditure to ensure better financial discipline in the conduct of Government transactions.

The Internal Inspection Wing shall be responsible for test checking the initial accounts records, subsidiary register maintained in the accounting formation of the Department as also of the executive offices with a view to ensure that the rules and regulations are followed correctly, and systems and procedures regarding accounting and financial matters are adequate. The internal inspection shall inter-alia cover checking of all accounts records including those relating to fund accounts,





loans and advances and records pertaining to purchases, civil works, review of the installation and operating efficiency of expensive equipment and machineries, and examination of records pertaining to physical verification of stores & equipment, tools & plants. In addition, all the relevant records maintained by the Administration are also inspected.

The scope of work of Internal Inspection Wing stands widened to include performance review of the identified schemes/ projects, based on criteria of budgetary allocations, existing internal controls of monitoring and evaluation, release of funds and their utilization.

### 15.3 Targets fixed for audit achievements

Units due for audit during the year	Target for the year	Units audited during the year	Arrear, if any	Reasons for arrears
50 + 50*	100	42	58	Year-wise Audit backlog and reduction in audit team

\*Outstanding Audit Unit to be taken for the year 2018-19.

### 15.4 Public Sector Undertakings, Grantee Institutions and Banks etc. audited during the year.

Though the Grant-in-Aid to fully Aided Institutions under the administrative control of the Department is far in excess of Rs.25 lakh per annum the accounts of the following Aided Institutions were audited during 2021-22.

- Tata Memorial Centre (TMC), Mumbai
- Institute of Physics, Bhubaneswar
- National Institute of Science Education & Research, Bhubaneswar
- Tata Institute of Fundamental Research, Mumbai
- University of Mumbai-DAE Centre for Excellence in Basic Science, Mumbai



### 15.5 Status of Audit paras

Number of paras outstanding at the beginning of the year (01.04.2021)		Number of paras settled during the year	Number of paras raised during the year	Number of paras outstanding at the end of the year (31.03.2022)
Internal Audit Paras	2783	668	365	2480
Statutory Audit paras (ATNs)	52	08	03	47

#### 15.5.1 Table - I

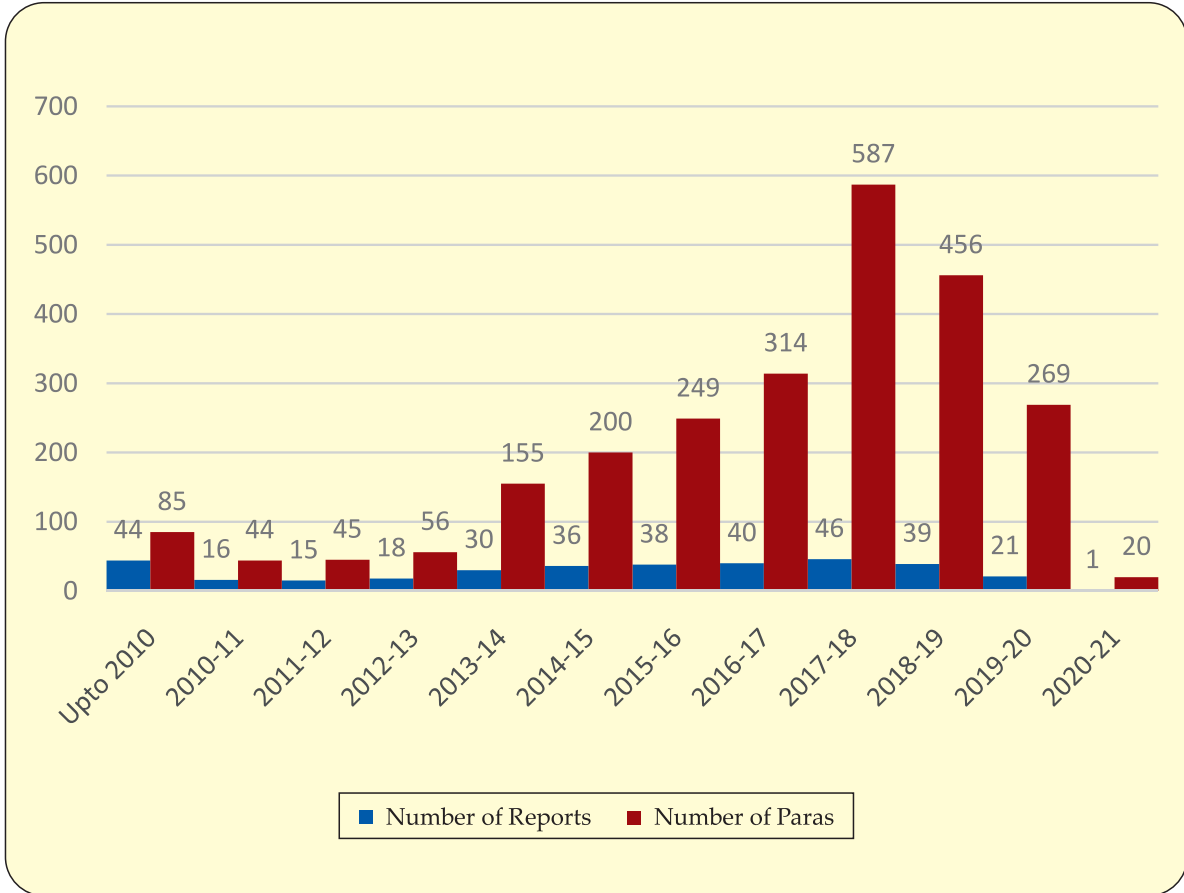
#### YEAR WISE DETAILS OF IIW REPORTS & PARAS OUTSTANDING AS ON 31.3.2021

Year of Audit Period	Number of Reports	Number of Paras
Upto 2010	44	85
2010-11	16	44
2011-12	15	45
2012-13	18	56
2013-14	30	155
2014-15	36	200
2015-16	38	249
2016-17	40	314
2017-18	46	587
2018-19	39	456
2019-20	21	269
2020-21	1	20
<b>TOTAL</b>	<b>344</b>	<b>2480</b>



### 15.5.1 Table – I

#### YEAR WISE DETAILS OF IIW REPORTS & PARAS OUTSTANDING AS ON 31.3.2021



Source : DDG for 2022-23

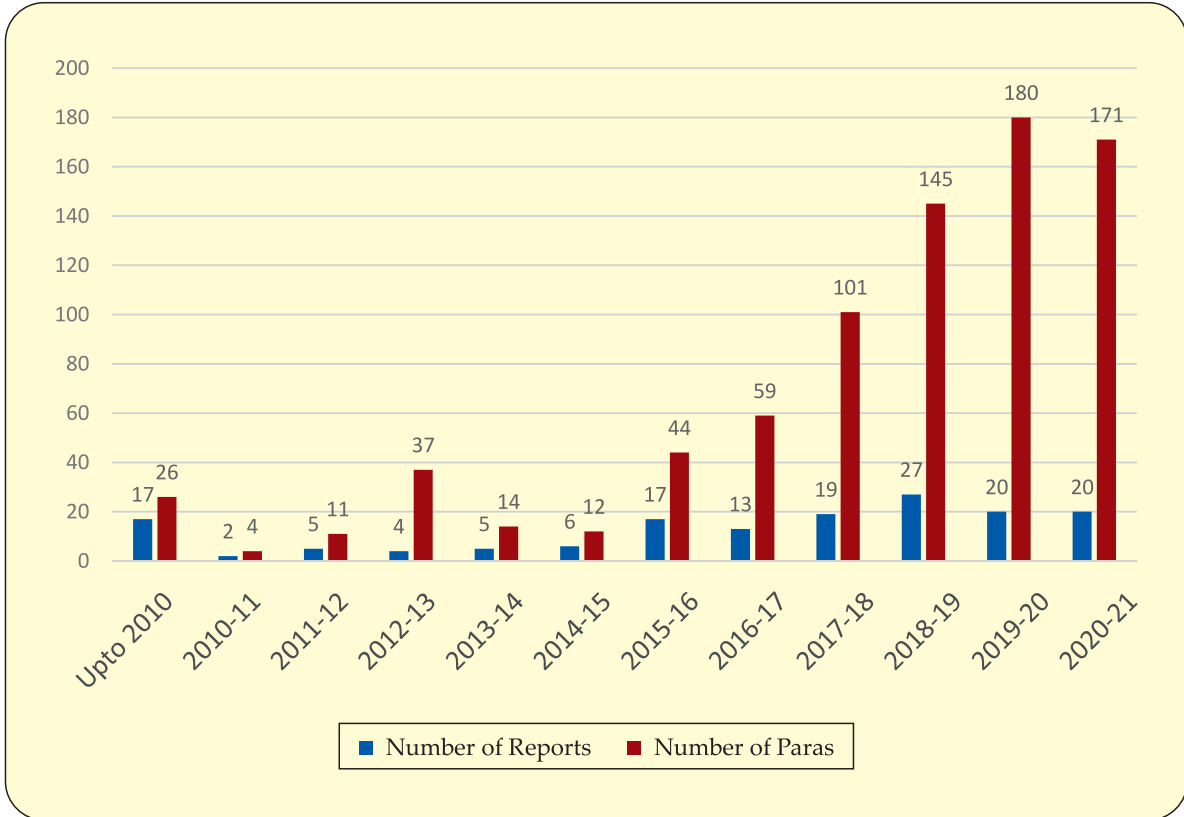
**15.5.2 Table - II****YEAR WISE DETAILS OF STATUTORY REPORTS & PARAS  
OUTSTANDING AS ON 31.3.2022**

Year of Issue of Report	Number of Reports	Number of Paras
Upto 2010	17	26
2010-11	2	4
2011-12	5	11
2012-13	4	37
2013-14	5	14
2014-15	6	12
2015-16	17	44
2016-17	13	59
2017-18	19	101
2018-19	27	145
2019-20	20	180
2020-21	20	171
<b>TOTAL</b>	<b>155</b>	<b>804</b>



### 15.5.2 Table – II

#### YEAR WISE DETAILS OF STATUTORY REPORTS & PARAS OUTSTANDING AS ON 31.03.2021





### Unit wise Status of IIW Paras

Name of DAE Unit/ Aided Institute	Number of Outstanding IIW paras as on 31.3.2022
Bhabha Atomic Research Centre (BARC), Mumbai	213
Saha Institute of Nuclear Physics (SINP), Kolkata	138
Variable Energy Cyclotron Centre (VECC), Kolkata	138
General Service Organisation (GSO(K)), Kalpakkam	134
Department of Atomic Energy (DAE), Mumbai	102
Tata Memorial Centre (TMC), Mumbai	89
Tata Institute of Fundamental Research (TIFR), Mumbai	88
Nuclear Recycle Board (NRB(T)), Tarapur	84
Harish-Chandra Research Institute (HRI), Prayagraj	83
National Institute of Science Education & Research (NISER), Bhubaneswar	82
Indira Gandhi Centre for Atomic Research (IGCAR), Kalpakkam	73
Institute for Plasma Research (IPR), Gandhinagar	69
Nuclear Recycle Board (NRB(K)), Kalpakkam	69
Raja Ramanna Centre for Advance Technology (RRCAT), Indore	61
Rare Materials Project (RMP), Mysuru	61
Institute of Plasma Research-Centre for Plasma Physics (IPR-CPP), Guwahati	59
Advance Centre for Treatment, Research & Education in Cancer (ACTREC), Mumbai	54
Institute of Physics (IOP), Bhubaneswar	54
Atomic Energy Regulatory Board (AERB), Mumbai	51
Nuclear Fuel Complex (NFC), Hyderabad	50
National Centre for Radio Astrophysics (NCRA), Pune	47
Heavy Water Plant (HWP), Kota	46
Dr. Bhubaneswar Borooach Cancer Institute (BBCI), Guwahati	43
Atomic Energy Education Society (AEES), Mumbai	41
Directorate of Purchase & Stores (DPS), Mumbai	41



Name of DAE Unit/ Aided Institute	Number of Outstanding IIW paras as on 31.3.2021
National Centre for Biological Sciences (NCBS), Bengaluru	41
Zirconium Complex (NFC-ZC), Palayakkayal	37
Heavy Water Plant (HWP), Talcher	36
Directorate of Construction, Services & Estate Management (DCSEM), Mumbai	35
Heavy Water Board (HWB), Mumbai	33
Regional Purchase Unit, Manuguru(RPUM)	31
Atomic Minerals Directorate for Exploration & Research (AMD), Tata Nagar	29
Atomic Minerals Directorate for Exploration & Research (AMD), Jaipur	25
Institute for Mathematical Sciences (IMSc), Chennai	25
Board of Radiation & Isotope Technology (BRIT), Navi Mumbai	23
Homi Bhabha Centre for Health & Research Centre, Vizag	23
Atomic Minerals Directorate for Exploration & Research (AMD), Hyderabad	22
Heavy Water Plant (HWP), Manuguru	20
Atomic Minerals Directorate for Exploration & Research (AMD), Banguluru	16
Atomic Minerals Directorate for Exploration & Research (AMD), Nagpur	15
UM-DAE Centre for Excellance in Basic Sciences (CEBS), Mumbai	15
Atomic Minerals Directorate for Exploration & Research (AMD), Shillong	14
Heavy Water Plant (HWP), Tuticorin	14
Madras Regional Purchase Unit (MRPU), Chennai	13
Atomic Energy Education Society(AEES), Hyderabad	12
Nuclear Recycle Board (NRB), Mumbai	11
Heavy Water Plant (HWP), Baroda	8
Atomic Minerals Directorate for Exploration & Research (AMD), Delhi	6
Bhabha Atomic Research Centre (BARC), Vizag	6
<b>Total</b>	<b>2480</b>



## **Initiatives by Internal Inspection Wing DAE during the Financial year 2021-22.**

### **Updation of information in the IIW Database and digitized outstanding paras:**

The IIW Database of outstanding audit paras are updated on monthly basis. During this period, records of about 2480 outstanding paras including merged paras have been maintained in soft data. The updated database which is easily retrievable enables in identifying the trends, weak/strong areas of the Units, preparation of MIS reports and assists in initiating timely follow-up action on the outstanding paras.

The detailed information on the outstanding paras in soft version is maintained in line with the IIW Database. In the ongoing process of digitization of outstanding audit paras, IIW, DAE, has updated replies of 24 units during this year. The digitization of the outstanding paras expedites the para closures.

### **Initiatives taken for settlement of the outstanding Audit Paras :**

The outstanding audit paras are regularly reviewed and discussed with the Head of the Units/Head of the Accounts by CCA/JC(F&A). Due to such continuous review and follow up with units 1363 replies have been received and processed, out of which 668 paras were closed during the financial year 2021-22.

### **Preparation of Database on Statutory Audit (C&AG Paras) of DAE Units and its Aided insitutions**

The Database on Interim Reports (IR) of DAE Units and its Aided Institutions is prepared which consists of 804 IRs as on 31.3.2022.





**Highlights of old IIW outstanding paras closed during FY 2021-22**

- Total numbers of outstanding paras digitized : 2480
- Total numbers of outstanding paras closed : 668
- Closed paras pertain to recoveries : 114
- Actual amount recovered/Adjusted on closure of paras : 9798.99 lakhs
- Closed paras which are procedural in nature : 695

**Highlights of Action Taken Notes (C&AG paras) during FY 2021-22**

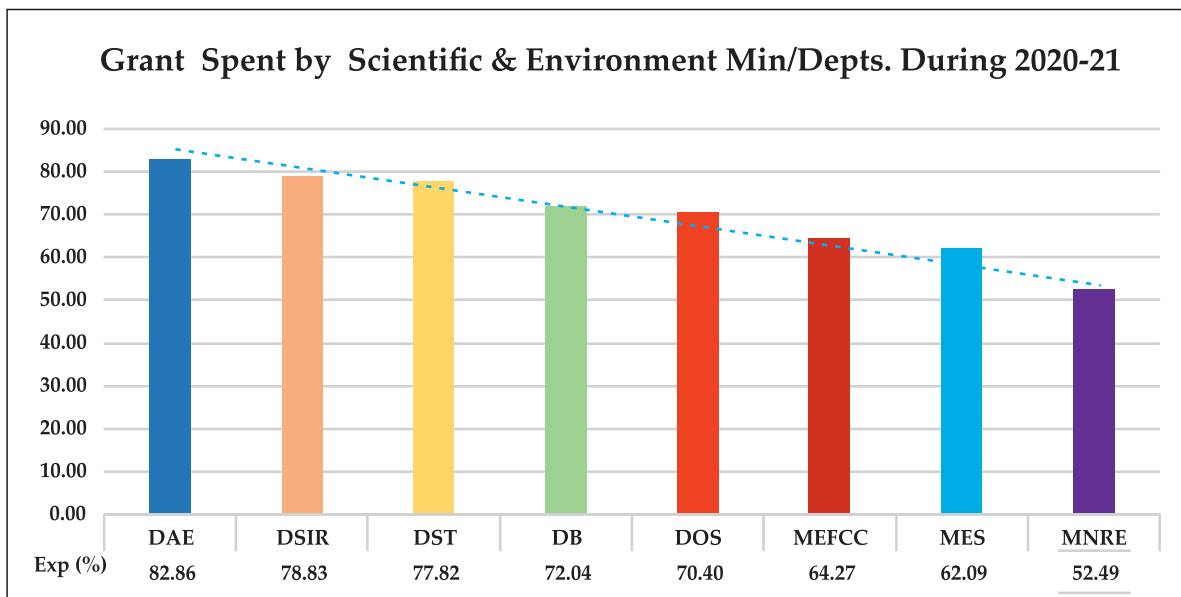
- Total numbers of ATNs, PAC paras processed : 36
- Total Numbers of ATNs and PAC paras uploaded on Audit Para Monitoring System : 21



## Grant Spent by Scientific & Environment Min/Depts. During 2020-21

Sl. No.	Ministry/ Department	Grant/ Appropriation ( Including Supplementary grant )	Expenditure	Percentage of Expenditure
1	Department of Atomic Energy (DAE)	26691.73	22116.83	82.86
2	Department of Scientific and Industrial Research (DSIR)	5385	4244.88	78.83
3	Department of Science and Technology (DST)	6313.65	4913.33	77.82
4	Department of Biotechnology (DB)	3136.76	2259.72	72.04
5	Department of Space (DOS)	13479.51	9490.05	70.40
6	Ministry of Environment, Forest and Climate Change (MEFCC)	3209.81	2062.93	64.27
7	Ministry of Earth Science ( MES)	2074.46	1287.95	62.09
8	Ministry of New and Renewable Energy (MNRE)	5871.02	3081.84	52.49
		<b>66161.94</b>	<b>49457.53</b>	<b>560.80</b>

Source : C&AG report for the year 2020-21



# ATOMIC ENERGY ESTABLISHMENTS IN INDIA



BRNS	: Board of Research in Nuclear Sciences
HBNI	: Homi Bhabha National Institute
NBHM	: National Board for Higher Mathematics
SSSF	: Solid Storage Surveillance Facility
WIP	: Waste Immobilisation Plant
AEES	: Atomic Energy Education Society
ACTREC	: Advanced Centre for Treatment, Research & Education in Cancer
TIFR	: Tata Institute of Fundamental Research
TMC	: Tata Memorial Centre
DCS&EM	: Directorate of Construction, Services & Estate Management
DPS	: Directorate of Purchase & Stores

- Research & Development Organisations
- Public Sector Undertakings
- Industrial Facilities
- Grant-in-aid Organisations
- Service Organisations



**Kudankulam Nuclear Power Plant**