



Nuclear Power Corporation of India Limited

26TH ANNUAL REPORT 2012-13

Green
and
Growing





Kudankulam Nuclear Power Project

AT 23:05 HOURS ON 13TH JULY 2013, KKNPP UNIT-1 ATTAINED CRITICALITY

A proud moment for all of us

Corporate Information

Registered Office

16TH Floor, Centre-1, World Trade Centre,
Cuffe Parade, Colaba, Mumbai – 400 005.

Corporate Office

Nabhikiya Urja Bhavan, Anushaktinagar,
Mumbai – 400094.

Statutory Auditors

M/s. Vyas & Vyas
8, Kalptru Building, Dr. S. S. Rao Road,
Parel, Mumbai – 400012.

Branch Auditors

M/s. Essveeyar
Flat No FF2, Sri Karpagambal Apartments,
29/14, II Main Road, R.A. Puram,
Chennai – 600028.

M/s P.D. Agrawal & Co.
B-32, Ground Floor,
Ramprasth, Ghaziabad – 201011.

M/s. B. L. Ajmera & Co.
Malji Chhogalal Trust Building,
Mirza Ismail Road,
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M/s. S.N.K. & Co.
SNK House, 31-A, Adarsh Society,
Opp. Seventh Day Adventist School,
Athwalines. Surat – 395001.

Cost Auditor

M/s. N.I. Mehta & Co.
Cost Accountants,
Admn. Office: 115, Jolly Maker Chambers
No.2, Nariman Point, Mumbai – 400 021.

Main Banker

State Bank of India
Overseas Branch, World Trade Centre,
Cuffe Parade, Colaba, Mumbai – 400 005.

Registrar and Transfer Agent

TSR Darashaw Private Limited
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Telephone No.022-66568484, Fax 022-66568494
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Subsidiary Companies

Anushakti Vidhyut Nigam Limited
NPCIL - IndianOil Nuclear Energy Corporation Limited
NPCIL - NALCO Power Company Ltd.

The world population is expected to grow. This will create a growing demand on food, water and energy. Energy is critical to drive economic growth, sustain progress and create prosperity.

In a world that is increasingly demanding more energy, resources are getting stressed and strained. Countries and governments today have to make careful choices to generate growth that is as much about wealth as it is about well-being of its citizens.

India is one of the major growth hot-spot in the world today. Like any nation that is growing at a rapid pace, India has immensely high requirement of energy. With the constraint of depleting

reserves of fossil fuels and dependence on imports, nuclear power is emerging as an essential and an increasingly important element in the country's drive towards energy security. India has abundant reserves of Thorium that have the potential to be utilised to generate nuclear power – an option that is clean, benign and economically viable.

At NPCIL,

growth is as much about energy as it is about the environment,

growth is as much about progress as it is about the planet,

growth is as much about today as it is about tomorrow.

Growth is as much about sustaining the earth as it is about sustaining the future generations.

That is why, at NPCIL, we are not just growing, we are

Green and Growing

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Sustaining Progress

As home to more than a billion people with one of the fastest growing economies, India is today taking brisk steps and swift strides as it progresses ahead towards becoming a developed economy. The key and decisive factor that will determine the speed of this progress is energy.

In a country like India, where around 67 per cent of energy is generated through use of conventional fossil fuels which are depleting in supply with every passing year, there is no doubt about the important and essential role nuclear power will play in powering India's growth in the next five decades. It is estimated that India will need an installed capacity of 800 GW by 2032 for an economic growth rate of 8 per cent.



Advantage Nuclear Power

Nuclear energy is a clean and sustainable source of energy. It has the potential and capability to contribute significantly to India's quest for long-term energy security. The conventional fossil fuels are fast depleting in supply. Moreover, with driving global concerns all over the world about climate change and deployment of environment friendly power generation technologies, nuclear power has clear advantages to meet the dual challenge of managing consumption as well as developing low-carbon energies. Nuclear energy is environment-friendly, sustainable and economically viable source of energy.

Potential of Nuclear Power in India

India's Nuclear Power Programme has been developed on the basis of the unique three stage programme and technology. The Pressurised Heavy Water Reactors (PHWR) in the first stage and Fast Breeder Reactors (FBR) in the second stage are aimed at utilisation of uranium and thorium resources in the third stage. The long-term objective of the Nuclear Power Programme is to achieve self-reliance through utilisation of resources, and progressively increase the share of nuclear power in the nation's electricity portfolio.

The XII Five Year Plan (2012-17) has emphasised on faster, more inclusive and sustainable growth. Nuclear Power is clean and benign to the environment, is ideally aligned to the XII Five Year Plan's focus on faster and sustainable growth.

Role of NPCIL

NPCIL was formed in 1987 under the aegis of Department of Atomic Energy (DAE) in India as a Public Sector Undertaking. Over these 26 years, NPCIL has spearheaded India's foray into commercial nuclear power generation and today, owns and operates a fleet of 19 nuclear power reactors. In addition, it also manages the Rajasthan Atomic Power Station Unit-1 on behalf of DAE. With an impeccable safety record, spanning 375 reactor years (till March 2013), it has a proven expertise in all areas of nuclear power – siting, designing, construction, commissioning, operation, maintenance, waste management, renovation & modernisation, upgrades and plant life extension. It also provides integrated nuclear power solutions.

Safety First

The Company is committed to its motto of "Safety First". Safety is a matter of utmost priority and continuous review in nuclear business. NPCIL ensures that safety is maintained across all stages of a nuclear power project - design, construction, commissioning, operation and maintenance of Nuclear Power Plants.

The testimony to NPCIL's relentless focus on safety was further emphasised during the year when the IAEA's Operational Safety Review Team (OSART) conducted a review of RAPS-3&4 at Rawatbhata site in Rajasthan and found the safety and safety culture satisfactory.



NPCIL's Performance in 2012-13

THE YEAR
2012-13 SAW
NPCIL RECORD
THE HIGHEST
EVER NUCLEAR
POWER
GENERATION.

The total power generation was 32,863 MU in FY 2012-13 compared to 32,451 MU in the previous year. The Capacity Factor (Plant Load Factor) during 2012-13 was 80 per cent against 79 per cent in 2011-12.

On 22nd March 2013, administrative and financial sanction for the Kudankulam Nuclear Power project (KKNPP) units-3&4 were also received. The First Pout of Concrete (FPC) which signals the zero date of start of construction of the project is scheduled in June 2014.

Sustaining Planet

Sustainable development has been defined as development that meets the need of the present without compromising the ability of future generation to meet their needs.

Sustainable Development involves an enduring and balanced approach to economic activities, social progress and environment responsibility. NPCIL has been implementing various sustainable development activities while carrying out its business. MoU targets in respect of these are set as per guidelines issued by Department of Public Enterprises. NPCIL has constituted a Committee headed by a Director to review and monitor the Sustainable Development initiatives being undertaken by the Corporation.



Guard House at KAPP site



Roof top Solar system on Technical Building at RAPP-7&8

Sustainable Development Initiatives of NPCIL

Our sustainability reporting is to serve as a vehicle to measure performance, benchmark green practices and build stakeholder trust. But more importantly, it is driving organisation-wide efficiency, productivity and performance. It is also helping our business to improve internal processes, accountability and transparency.

NPCIL's core business - the generation of nuclear power, itself is clean, green and sustainable one. In addition to this, NPCIL has been taking various initiatives and activities on the Sustainable Development front. The major areas on NPCIL's sustainable development activities are

(I) Energy Optimisation & Conservation

Considering the vast potential of energy savings and benefits of energy efficiency, the Government of India enacted the Energy Conservation Act, 2001. In NPCIL, energy conservation efforts

were continued in all stations. These included replacement of old conventional lamps by energy efficient lamps in a phased manner, continuous use of solar water heating systems in canteens, guest houses, switching off the air conditioning systems and lights in office areas when not in use, switching off the lights in Reactor Building inaccessible areas. All stations kept a close watch on consumption of energy in the plant processes and systems to prevent energy loss e.g., through steam/air leaks, hot pipes, degraded condenser performance, etc. and have taken prompt actions for their rectification. Each station has set targets for conservation of energy in various areas like reduction in auxiliary power consumption, DM water consumption, heavy water loss, oil consumption, installation of solar water heaters, CFLs, and accordingly made plans for next year. Arranging lectures, painting and essay competitions, etc., to create awareness among employees and their families as well as among the general public have also been planned.

During the year, NPCIL carried out energy audits at its operating stations namely Rajasthan Atomic Power Station (RAPS) Unit-

5&6 and Kaiga Generating Station (KGS) Unit-3&4. Energy audit of RAPS-5&6 started on January 21, 2013 and was carried out by external agency ERDA, Vadodara. Similarly, energy audit of KGS-3&4 started on January 13, 2013 and was carried out by external agency - A2Z Maintenance & Engineering Services Limited, Gurgaon. Bachat Lamp Yojana of the Government promotes energy efficient and high quality CFLs as a replacement for incandescent bulbs. NPCIL is in process of using increased number of CFLs at its plant premises as well as in its residential complexes. During the year 2012-13, about 14354 CFLs were installed at various stations/projects sites.

Various other activities like non-active waste water treatment, tree plantation, construction of green building at KAPP-3&4, installation of solar panels on Technical Building at RAPP-7&8 etc. were also carried out.

In guard house at KAPP site, plastering including masonry was done in Lime Mortar to have cooling inside building, external walls were aligned in wind direction to have maximum air inflow, all rooms were provided with ventilation shaft to achieve higher air exchange within the building and to have a cooling effect. A well with fountain at middle and fan at top with water circulating motor was constructed little away from main buildings to supply cool air through tunnels constructed below the flooring and to have more natural light all the windows are kept fully glazed.

Roof Top Solar System has been installed on Technical Building at RAPP-7&8. It consists of 100 nos. Concentrating and Pipe type Collectors (solar parabolic troughs), a Solar Powered Vapour Absorption Chiller-Heater Unit of 100 TR Capacity and several pumps. The solar system will be used to generate steam for use in the vapour absorption machine for producing chilled water.

(II) Biodiversity Conservation

NPCIL's Environment Stewardship Programme (ESP) focuses on the scientific study of bio-diversity both within and around Exclusion Zones (EZs) of Nuclear Power Plants. The aim is to improve and conserve the habitat of avifauna.

The nuclear power plants do not produce harmful gases, particles or soot, preserving the pristine purity of nature which is evident from the large variety of birds attracted to the greening.

Further, nuclear power plants do not adversely impact marine life at the sites. The temperature of the water body in bulk remains the same, ensuring no adverse effect on marine life.

Some of the major activities in the area of Biodiversity Conservation carried out during year 2012-13 include:

Bird Survey to monitor and conserve Avifauna around NAPS:

A bird census programme in the exclusion zone boundary of NAPS was undertaken. The Bird Survey was conducted from 28th October to 19th November 2012, using Point Count protocol. The Wildlife Institute of India (WII), Dehradun trained the volunteers of our nuclear power plants on the special software. A total number of 118 species were observed during the study.

Study of Vultures (endangered species) around RAPS Plant:

The members and volunteers of Anushakti Nature Club, Rawatbhata Rajasthan Site associated with ESP conducted a survey on study of vultures in nearby areas of RAPS plant. The entire survey was completed from the month of April 2012 to November 2012. Out of nine species of vultures found in India, three vulture species are regularly seen around RAPS plant site and one rare vulture species was also spotted.

Survey of wetlands and water birds in and around MAPS:

Wetlands not only beneficial to the human society but they are also an invaluable component of the ecosystem. Monitoring of wetlands is important as they are key constituent of the ecosystem as they provide critical support to the flora and fauna. In this regard, a survey of wetlands and water birds was conducted in and around MAPS in January 2013. The objectives include census of wetland birds, monitoring the state of wetlands, identifying discernible threats and monitoring of Important Bird Areas located in the study area, as per the laid down procedure. Over a hundred species of birds, including water birds, waders, raptors, land birds, etc., were spotted in the entire survey.

Plants/saplings procurement, plantation and establishment of butterfly garden at TAPS in collaboration with Nature Club, Surat:

With a view to create a pesticide-free green landscape to attract butterflies, a 'Butterfly Garden' was developed at KAPS Plant site in collaboration with Nature Club, Surat. Similarly, NPCIL has also signed a MoU with Nature Club, Surat to set up butterfly gardens at TAPS-3&4. The garden was set up in June 2012. The garden is located in an area measuring about 1690 sq.mtrs. Two types of plants have been planted to attract butterflies in the garden - the one on which they lay eggs is called Breeding Plant and the other one which they visit for nectar is called Nectar Plant. Around 2900 breeding and nectar plants comprising of 64 species have been planted.

Sustaining People

As it pursues its goal of creating wealth for the nation through electricity generation, NPCIL has also fulfilled its social obligations as a responsible corporate citizen. NPCIL is committed towards the economic and social development of the local populace near its plants' sites. At each unit of NPCIL, CSR activities are taken up in an area within a 16 km radius from the power plant. In line with the CSR policy, projects in education, healthcare and infrastructure development areas are taken up for implementation.

Education

Various projects like construction of school buildings, distribution of education material kits to school children, scholarships and sponsorship for higher education to students, development of aganwadis, etc., are taken up under education. New initiatives were taken to augment the education in various schools in the surrounding areas. A guideline for scholarship / sponsorship / one time reward was developed to implement the talent nurturing interventions uniformly around all the sites.

Support through distribution of educational aids was continued like previous years.

School teachers in the area near all the units were also felicitated on Teachers' Day for their contribution to the cause of education for the rural students. This initiative generated enormous positive feedback. Skill development initiatives were also undertaken to support income generation by unemployed youth. Skills in computer operation and tailoring, etc., were focused during the year.



Health Care

With a view to improve health care, projects like running primary health centers, providing mobile medical van services, organising medical camps, aid and appliances support to differently abled persons, providing medical treatment and medicines (OPD services) for villagers, etc., were undertaken during the year.



Health Services at School Health Camp

Infrastructure

To augment infrastructure development, the projects like laying of approach roads, development of drinking water facility, construction of community hall, construction of bus stop sheds, installation of street lights, providing fishing facility, etc., have been planned and implemented. To facilitate villagers for uninterrupted road communication, a 65 meter long motorable bridge was constructed joining Goyar and Gotegali villages near Kaiga Generating Station.



Goyar Bridge near Kaiga

Chairman's Message



Dear Fellow Shareowners,

Good afternoon. On behalf of myself and the Board of Directors, with great pleasure, I am delighted to welcome you all to the 26th Annual General Meeting of NPCIL. Your wholehearted support to the Company's strategy to pursue multiple drivers of growth has resulted in highest ever electricity generation by achieving of 32863 MUs and Excellent MoU rating.

Kailash Chandra Purohit
Chairman and Managing Director

10%

The Profit after Tax increased by 10 % during the year 2012-13, ₹ 2101 crore as against ₹ 1906 crore during the year 2011-12.

Financial Performance

The financial performance of the company, for the year ended 31st March 2013 is summarised as below:

- ✦ The power generation increased by 1 percent during the year 2012-13, 32863 Million KWh as against 32451 Million KWh during the year 2011-12,
- ✦ The net export increased by 1 percent during the year 2012-13, 29541 Million KWh as against 29123 Million KWh during the year 2011-12,
- ✦ The total income increased by 4% after adjustment of extraordinary item. The total income during the year 2012-13 is ₹ 8638 crore (after adjustment of prior period RLDC charges it become ₹ 8613 crore) as against ₹ 8709 crore during the year 2011-12 (after adjustment of prior period tariff revision and HW rate revision it become ₹ 8304 crore).
- ✦ The Profit after Tax increased by 10 % during the year 2012-13, ₹ 2101 crore as against ₹ 1906 crore during the year 2011-12.
- ✦ The Board has recommended total dividend of ₹ 630 crore for the year 2012-13 as against ₹ 572 crore of the year 2011-12
- ✦ As per the provisions of the Civil Liability for Nuclear Damages Act, 2010, the company has taken a financial security in the form of Bank Guarantee favouring Government of India for the value of ₹ 1500 crore.

Operating Performance of the Stations

At present 20 reactors are operating with an installed capacity of 4,780 MWe (including RAPS-1 of 100 MWe owned by the Government) supplying quality electricity to consumers in a cost effective manner.

- ✦ The performance of all operating units was satisfactory during the year 2012-13 and these generated 32863 MUs of electricity, recording the highest ever generation in a financial year, crossing the MoU target of 31060 MUs.
- ✦ The overall Capacity Factor was 80% and the weighted average Availability Factor was 90%.
- ✦ In addition, Kudankulam Wind Farm generation during the year was 19 MUs.
- ✦ Our ten stations TAPS-3, TAPS-4, RAPS-4, RAPS-6, MAPS-1, NAPS-2, KAPS-1, KAIGA-1, KAIGA-3 and KAIGA-4 attained greater than 90% Availability Factor during the financial year.

Ongoing Projects

The Kudankulam Nuclear Power Project, India's largest single powerunits (2x1000MWe) is being implemented with Technical Co-operation from Russian Federation. The First Unit of the project is in final stage of commissioning. Reactor Pressure Vessel of the Unit-1 is loaded with nuclear fuel assemblies. All the pre-operational tests have been successfully completed. Second Unit is planned to be commissioned with a time gap of around 8 months with respect to Unit-1.

Employees are the soul of our company and our performance has been driven by their commitment and perseverance. Human Resource is the most vital asset of the organisation and its performance has been improving year after year due to investment in enhancement of knowledge through training and skill development.

Significant progress has been achieved for India's first NPCIL designed Nuclear Power Plant of 700 MWe series at Kakrapar, Gujrat (KAPP-3&4) and Rajasthan (RAPP-7&8). At KAPP Unit-3, Calandria Vault construction has been completed. Calandria for KAPP-3 has been received at site and site preparation for Reactor Erection work is completed. Functionality for the first Indian PHWR Containment Spray System has been validated at full scale mock-up at Kakrapar. With the completion of raft of Nuclear Building-7 at RAPP-7&8 site, advance stage of construction of Calandria Vault and inner containment wall, the project is progressing.

These projects are progressing well and slated for completion in the year 2016-17 and will add 2800 MWe to Nuclear power capacities.

New Projects

Kudankulam Nuclear Power Project Unit-3&4, an expansion program of the existing Units-1&2, has been received the administrative approval and financial sanction for setting up of KKNPP Unit-3&4 from Government of India. Techno-commercial discussions in respect of 2 x 1000 MW VVERs are in advanced stage of finalisation.

As regards with Haryana Project, which was named as "Gorakhpur Haryana Anu Vidyut Pariyojana" (GHAVP), acquisition of land is almost completed and works of property fencing, Geo-technical and Geo-physical investigation works are progressing. Board approval for submission of proposal for project sanctions from competent authority was obtained.

The Jaitapur Nuclear Power Project (JNPP) which is proposed to be set up in technical collaboration with AREVA, France; revised Techno-commercial offer is under negotiation. At site,

various pre-project activities like geo-technical investigation etc. are in progress. Whereas, Public hearing for Chhaya Mithi Viridi site in Gujarat which is assigned to setup the AP 1000 Nuclear Power Plants with Westinghouse Electric Company (WEC), USA was completed.

Safety – a moving target

NPCIL accords utmost importance to safety over the demands of production or project schedules. Continuing with its policy of "Safety First" and striving for maintaining the high standards of safety within NPPs, the occupational exposures of employees of the Company at various NPPs were maintained below the limit specified by Atomic Energy Regulatory Board (AERB).

Safety is a moving target, special emphasis is given to enhance and achieve higher standards of safety. The safety performance of Indian nuclear power reactors continued to be impeccable over 379 reactor-years of operation as on date.

Our Company's determination to build intellectual capital as a source of sustainable competitive advantage for the future is manifest in the establishment of a state-of-the-art R & D facilities at Mumbai and Tarapur. Design validation of first of a kind systems viz. Passive Decay Heat Removal System (PDHRS) and Containment Spray System (CSS) was completed by demonstrating system performance using prototype models. These systems will now be an integral part of design of all 700 MWe projects.

The Environmental Management System (EMS) and Occupational Health and Safety Management System (OHSMS) as per ISO-14001:2004 and IS-18001:2007 respectively are being maintained at all the operating stations.

Human Capital

Employees are the soul of our company and our performance has been driven by their commitment and perseverance. Human Resource is the most vital asset of the organisation and its performance has been improving year after year due to investment in enhancement of knowledge through training and skill development. Human Resources Development (HRD) as a theory is a framework for the expansion of human capital within an organisation through the development of both the organisation and the individual to achieve performance improvement.

Development of key competencies that enable individuals in organisations to meet current and future requirement through planned learning activities are being taken up at priorities.

Corporate Social Responsibility and Sustainability

Our Company has built strong partnerships with the communities around its stations / projects and also with the wider society through a well conceived basket of CSR interventions for the betterment of lives of the people. NPCIL being responsible corporate citizen is committed for the philosophy of caring and sharing. Our Company continues to play an effective role through a host of community development initiatives. The focus is on healthcare, education and infrastructure development.

In 2012, the Silver Jubilee Year of the Company, an additional fund of ₹125 crore was allocated for CSR activities, which is to be spent in 2 years i.e. 2012 to 2014.

Sustainable Development involves an enduring and balanced approach to economic activities, social progress and environment responsibility. NPCIL has been implementing various sustainable development activities while carrying out its business.

Awards

It gives me immense pleasure to share with you the national and international awards and recognitions conferred to our Company. NPCIL is awarded "Global HR Excellence Award for Talent Management" by 21st Edition of World HRD Congress. Many of our units are awarded by National Safety Council, Ministry of Labour and Employment, AERB and Institute of Directors etc. for the prestigious Suraksha Puraskar, Energy conservation recognition award, Shreshtha Suraksha Puraskar, Environmental Protection Award, Golden Peacock National Training Award, Sarva Shreshtha Suraksha Puraskar, National Safety awards, Enertia Awards – India's Award for Sustainable Energy & Power, Fire Safety Award, AERB Industrial Safety Award, Powerline Award, Unnata Suraksha Puraskar etc.

Corporate Governance

Our Company has taken proactive steps for setting up appropriate governance systems and processes.



... NPCIL continues to play an effective role through a host of community development initiatives. The focus is on healthcare, education and infrastructure development.

Transparency, accountability, fairness and intensive communication with stakeholders are integral to its functioning. NPCIL recognises communication as a key element in the effective functioning of the overall corporate governance framework, and emphasises continuous, efficient and relevant communication with all its constituencies.

I would also like to confirm that the Company has complied with the Corporate Governance Guidelines issued by the Authorities.

With these words, I seek your support in our joint efforts to realise the NPCIL's vision and to serve you and nation better.

Kailash Chandra Purohit
Chairman and Managing Director

Place : Mumbai
Date : 5th July 2013

Board of Directors



Shri Kailash Chandra Purohit
Chairman and Managing Director

Shri Kailash Chandra Purohit, born on 10th May 1954 in Nagaur District, Rajasthan and took over as Chairman & Managing Director of Nuclear Power Corporation of India Ltd (NPCIL) in June 2012. He held the position of Director (Projects) and was on the Board of NPCIL since 2009. A Distinguished Scientist of the DAE, Shri Purohit is an Electrical Engineer from H.B.T.I. Kanpur. He joined 17th batch of training school followed by joining the erstwhile PPED and later NPCIL. He became Commissioning Team Leader at Rajasthan Atomic Power Plant Units-3&4 and contributed significantly towards Commissioning of the Pressurised Heavy Water Reactors (PHWRs) in Rajasthan with various record performances including synchronisation within 14 days time from Criticality.

Shri Purohit was a key Member of the team for Kudankulam Project implementation as a Project Director.

He started his professional career in operation of the Nuclear Power Plants at Rawatbhata, Kota in Rajasthan and obtained license for the operation of these Plants from the Regulatory Body in India. He has over 38 years of wide-ranging experience and has made significant contributions in Construction, Commissioning, Operation as well as renovation and modernisation of Nuclear Power Reactors in India.

His expertise spans both indigenous PHWRs and the latest large size Light Water Reactors (LWRs) being set up with international cooperation at Kudankulam.

Shri Purohit has held several key positions in NPCIL, prior to his elevation to the position of CMD, NPCIL. Shri Purohit has successfully contributed to the Company and NPCIL has honoured Shri Purohit with its LEADERSHIP Award in 2011.



Shri S. A. Bhardwaj
Director - Technical

Shri S. A. Bhardwaj, a Mechanical Engineer and M.Tech in Design of Mechanical Equipment (IIT, New Delhi) obtained training in Nuclear Engineering from BARC Training School and joined the PPED in 1971. He was associated with nuclear fuel design and engineering activities, reactor core design, shut down system design, in-core fuel management, reactor physics, reactor components and nuclear safety. Since February 2002, he shouldered the responsibility of total engineering activities of PHWRs. He is a Distinguished Scientist of the Department of Atomic Energy. He is a member of the AERB Advisory Committee on Design Codes and Guides and has played an active role in the preparation of multiple Safety Codes and Guides for the AERB. He was awarded the NPCIL Unit Recognition Award in 2001 for his outstanding contribution and Leadership award for 2006. He was also awarded the Indian Nuclear Society Award 2001. He is a Fellow of the National Academy of Engineers.

Shri Bhardwaj, who had been appointed as Director (Technical) in NPCIL w.e.f. 3rd February 2005 ceased to be Director w.e.f. 31st January 2013 consequent on superannuation.

Shri Bhardwaj has been awarded Homi Bhabha Chair by Department of Atomic Energy in June 2013.



Shri Preman Dinaraj
Director - Finance

Shri Preman Dinaraj, did his MA in Social Sciences from Jawaharlal Nehru University, New Delhi and his PGDBM from IIM, Bangalore. Shri Dinaraj joined the Indian Audit & Accounts Service in 1984 and has over 29 years of experience, nationally and internationally in the disciplines of Finance & Accounting, Resource Mobilisation, Human Resource Management, Programme Planning & Evaluation, Contract Management and in Training & Capacity Building.

Shri Dinaraj has worked in various capacities in the Government of India in the States of Tamil Nadu, Jammu & Kashmir, Kerala, Uttarakhand & Delhi and as Accountant General, Chhattisgarh & Principal Accountant General, Bihar. Shri Dinaraj was earlier the General Manager (Contracts) and Director (HR) in NPCIL. He took over as Director (Finance) in NPCIL in January 2012 on deputation.

Internationally Shri Dinaraj has served as Team Leader of External Audit of UNHCR in Guinea and Congo. During 2004-08, he was the Budget & Performance Evaluation Advisor to the Dy. Prime Minister of Mauritius.

As Director (Finance), NPCIL he is responsible for augmenting the professional standards, resource mobilisation for expansion plans and in catalysing NPCIL's vision of fast growth, diversification and competitiveness in the coming years.

Besides being a whole-time director on the NPCIL Board, Shri Dinaraj is the Chairman of the Board of Directors of NPCIL-NALCO Power Company Limited and is also on the Board of M/s L&T Special Steels and Heavy Forgings Pvt. Ltd., (JV between NPCIL and L&T Ltd.) Shri Dinaraj is

currently pursuing his Ph.D from Auckland University, New Zealand, has travelled to over 21 countries and hobbies include reading, writing and public speaking.



Shri G. Nageswara Rao
Director – Operations

Shri G. Nageswara Rao, Distinguished Scientist, NPCIL, is an Electrical Engineering graduate of 1975 from the Jawaharlal Nehru Technological University, Andhra Pradesh. He joined the 19th batch of the BARC Training School, and received the Homi Bhabha Award for obtaining the first rank in his batch.

He worked for the commissioning of the fuel handling system of both, RAPS-2 and MAPS. In 1987, he was posted as the Senior Maintenance Engineer for the fuel handling unit at MAPS. In 1997, he was posted as Maintenance Superintendent at KAPS, where he improved manpower productivity and equipment performance reliability. In 2000, he became the Chief Superintendent, KAPS and catalysed high performance making it the model NPCIL station. In 2002, he was appointed as the Station Director of KGS-1&2. He was responsible for turn around performance of KGS-1&2 through technical and organisational improvements. As a result, both KGS-1&2 Units showed consistent excellent performance of continuous operation for more than 300 days. He is appointed as full time functional Director of NPCIL Board responsible for Operations Directorate.

He streamlined operating experience sharing, plant systems reviews, workshops, WANO Technical Support Missions and optimisation of fuel utilisation. Recognizing his outstanding

contributions towards the safety in the operation of Nuclear Power Plants, he was honored with the “WANO Nuclear Excellence Award” during the Biennial General Meeting of WANO held at Chicago in September 2007.

Station Performance bench marking and performance improvement programmes were launched under his leadership. He is contributing significantly in achieving consistent, safe and reliable operation of all NPCIL Units. He played key role in completing Kudankulam Nuclear Power Project Unit-1 activities for First Approach to Criticality (FAC) and accelerating the Unit-2 activities. Indian Nuclear Society honored him with “INS Outstanding Service Award 2011” for his outstanding contributions. Excellent performance of all operating stations in the year 2012-13 is achieved through several initiatives taken by him.

He is a full time Director on the NPCIL Board from 6th August 2007.



Shri S. B. Agarkar
Director – Human Resource

Shri S. B. Agarkar graduated in Electrical Engineering in 1975 from the Punjab Engineering College, Chandigarh. He has a rich 38 years experience in the nuclear industry in a variety of areas. He specialised in Nuclear Power Plant (NPP) Electrical Systems design and led the team of Engineers in Electrical Design Group in the designing of Electrical Systems of eight NPPs and made major contributions in the evolution of PHWR electrical systems designs. He also has vast experience in contract management and information technology application. He was a member of the Bureau

of Indian Standards Committees and acquired expertise in quality standards.

Shri Agarkar is actively involved in human resource development in nuclear power, including talent identification and acquisition, training and development. He has made major contributions in human resource policy formulation, compensation re-structuring, on-line performance assessment and management systems, computerisation of HR processes and information systems, development and implementation of career growth policies for all employee segments. Shri Agarkar leads teams of HR professionals in all NPCIL locations for uniform implementation of Corporate HR policies and successful management of employee relations and external interfaces. He is also actively involved in NPCIL's CSR activities in a challenging and evolving business environment.

He is on the Board of NPCIL since 27th November 2009.



Shri A. P. Joshi
Director

Shri A. P. Joshi topped the University in his graduation and secured 2nd rank in post-graduation in Physics. He is the recipient of 5 gold medals from the then President of India for academic distinctions. He joined the Indian Administrative Service in 1978 and has been the Chief Executive of PSUs for over 12 years. He has a rich experience of over 10 years in formulation, sanction and implementation of mega infrastructure projects in Water Resources, Power and Transport sectors. He has played

a significant role in the completion and dedication of the ₹ 11,000 crore Upper Krishna Project to the nation by the President of India.

During his tenure as the Additional/Special Secretary of the Department of Atomic Energy, he was in charge of processing, sanction and implementation of mega nuclear power projects. He has shaped Cabinet proposals for securing in-principle Government approval for seven sites for developing over 35,000 MW capacity in the next twenty years, besides financial sanctions for several projects. He led the Indian team which finalised the credit of USD 4.2 billion for the 2nd phase of 2 x 1000 MW Kudankulam Nuclear Power Project. Enhanced transparency, financial awareness among non-finance executives and IT leveraging in various aspects of contract management, recruitment of personnel, etc. in Government/PSU functioning are high on his agenda.

Shri Joshi was on the Board of NPCIL from 11th December 2008 to 30th April 2013. Shri Joshi ceased to be a Director of NPCIL consequent upon his appointment as Secretary, Government of India & Member (Finance), Atomic Energy Commission, Space Commission and Earth Commission.



Shri V. R. Sadasivam
Director

Shri V. R. Sadasivam, a commerce graduate from Loyola College, Chennai, joined a nationalised bank, as an officer and worked for six years. He later joined the Indian Defense Accounts Service in 1981 and has served in Meerut, New Delhi, Chennai, Bangalore and Mumbai.

As the Controller of Defence Accounts (R&D) at Bangalore, he was responsible for the payment, accounting, audit and financial advisory services to the DRDO Labs in the South. He has a long association with the DAE and its units. From 1994 to 1995, he has worked with the IGCAR and with BARC from 1998 to 2002. In 2007, he joined the DAE on the post of the Joint Secretary (Finance).

He is on the Board of NPCIL since 18th July 2007.



Shri Sekhar Basu
Director

Shri Sekhar Basu graduated in Mechanical Engineering from VJTI, University of Mumbai in 1974. On completion of the one-year BARC Training School programme, he joined the Reactor Engineering Division, BARC in the year 1975. At present Shri Sekhar Basu is serving as Director, Bhabha Atomic Research Centre.

Shri Basu and his colleagues are mainly responsible for evolving strategies for safe radioactive disposal of waste in gas, liquid and solid forms containing various levels of radioactivity. He is also involved in the effective management of nuclear waste which includes segregation, characterisation, handling, treatment, conditioning and monitoring prior to final disposal.

He has vast industrial operating experience in safe management of different kinds of radioactive wastes including high level liquid waste. Public acceptance of nuclear energy largely depends on safe management of nuclear waste and Shri Basu has developed best practices for all the back-end operations of the closed fuel cycle for the Pressurised Heavy Water Reactors.

As Chief Executive, Nuclear Recycle Board, Shri Basu is responsible for the design, development, construction and operation of nuclear recycle plants involving reprocessing and waste management. He has designed and built reprocessing plants, fuel storage facilities and nuclear waste treatment facilities at Trombay, Tarapur and Kalpakkam. The job also involves execution of R&D projects for the development of components, systems and processes for upgrade of plant performance and addressing environmental issues. Shri Basu has also been responsible for the remote decommissioning of the Joule Heated Ceramic Meltor which was used for vitrification of High Level Waste at Tarapur. This operation has provided valuable inputs for the 'design for decommissioning' concept.

He has guided R&D on the Joule Meltor and taking the design to perfection. He was instrumental for exhibiting and bringing to a production level PREFRE II Plant at Tarapur. Under his guidance only the decommissioning of the Joule Meltor was taken up for the first time ever.

Shri Basu has taken up the design of the first Integrated Nuclear Recycle Plant which will take the Indian Nuclear Recycle Programme to a greater level of maturity and pave the way for complete solutions to the back-end of the nuclear power programme. The plant, presently in an advanced stage of design, will provide long term energy security to the country.

Earlier in his career, Shri Basu carried out an in-depth study of design fuel elements for the Boiling Water Reactor (BWR) at Tarapur and also worked on issues related to the transportation of nuclear materials. Shri Basu has several publications to his credit in national and international journals. He has worked extensively on evaluating non-uniform residual stresses in nuclear materials using several destructive and nondestructive techniques and also validated the observations through in-depth numerical simulations.

Shri Basu represented India in concluding 'Arrangements and Procedures' with the US Government for reprocessing US hypothecated fuel. He also represented India at the 'Spent Fuel Management Conference' held at the International Atomic Energy Agency, Vienna to showcase the Indian strategy for management of spent fuel from Power Reactors.

The International Thermonuclear Experimental Reactor (ITER) (Tokamak based Fusion Reactor) Project, in which India is one of the participating countries, is coming up at Cadarache, France. Shri Basu is the Chairman of the International Design Review Committee for heat removal and cooling water systems for the programme, which will provide long term energy security for the world community.

Shri Basu has been conferred several awards and these include: Indian Nuclear Society Award 2002, DAE Group Achievement Award 2006 and the DAE Special Achievement Award 2007. He is also a Fellow of the Indian National Academy of Engineers (INAE).

Shri Basu has been appointed on the Board of NPCIL w.e.f. 8th October 2012.



Shri Rakesh Nath
Director

Shri Rakesh Nath's entire career spanning about 4 decades has been shaped up in the various organisations of the power sector in India such as Appellate Tribunal for Electricity, CEA, NTPC, Regional Electricity Boards of the Northern and the Western regions, Bhakra Beas Management Board, Power Trading Corporation and so on where he had experience in O&M of thermal & hydro generating stations and transmission system planning, grid operation, trading and electricity regulatory matters, etc. He has served as the Chairman of the Bhakra Beas Management Board, the largest hydro complex in the Northern region.

Presently Shri Rakesh Nath is Technical Member of Appellate Tribunal for Electricity. Prior to his appointment as Technical Member, he was the Chairperson of Central Electricity Authority (CEA) and ex-officio Secretary to the Government of India. He contributed immensely to capacity building and accelerated capacity addition during the 11th Five Year Plan.

Shri Rakesh Nath was on the Board of NPCIL, as a part-time Director for the period 26th April 2011 to 2nd March 2013. He had earlier held directorship of NPCIL during the period 3rd November 2005 to 3rd March 2010.



Dr. Nalini Bhat
Director

Dr. Nalini Bhat, former Adviser, Ministry of Environment and Forests, Government of India, New Delhi, is a post-graduate in Physics and a Ph.D in Environmental Sciences. She received her training in Asian Institute of Technology (AIT), Bangkok and International Institute for Applied System Analysts (IIASA), Vienna, Austria. She has to her credit national and international publications, relating to environmental matters. Dr. Bhat has handled assignments in the areas relating to environmental impact assessment and pollution control and setting up of environmental standards, air quality management and source apportionment studies, among others.

Dr. Bhat had been appointed as a part-time Director on the NPCIL Board on 15th July 2010 and ceased to be a Director w.e.f. 30th April 2013 consequent upon her retirement from Government service.



Shri A. S. Bakshi

Director

Shri A. S. Bakshi has been appointed to the post of Chairperson, Central Electricity Authority (CEA), and Ex-officio Secretary to the Government of India w.e.f. 14th October 2011. An officer of the CPES cadre, Shri Bakshi joined the erstwhile Central Water & Power Engineering Services (CW&PES) in August 1975. He has acquired a versatile experience of about 38 years in the development of India's power sector during the period of his wide and varied work experience in various capacities in the CEA. Born on 24th July 1953, Shri Bakshi is a Mechanical Engineer; he continued his educational pursuit to acquire the qualification of M.B.A while in service.

As an expert in operation & maintenance engineering of thermal generating units, Shri Bakshi was selected for a prestigious foreign assignment in Water & Power Department, Abu Dhabi (U.A.E.). From July 1979 to October 1984, he handled the operation & maintenance of oil fired 6 x 67.5 MW generating plant having a desalination unit.

On his promotion as the Chief Engineer in October 2004, Shri Bakshi was associated for the integrated resource planning in the country with both short term and long term Generation Planning & Load Forecasting. He has been instrumental in the preparation of National Electricity Plan brought out in April 2007, covering the 11th Plan in detail and also the perspective for 12th & 13th Plans.

In his tenure as the Chairperson of CEA, Shri Bakshi is involved in the overall planning and coordination of all the facets of India's power sector. As a part of the responsibilities

attached to the post, he is associated in important matters of the Central Electricity Regulatory Commission (CERC) as its Ex-officio Member.

Shri Bakshi has been appointed on the Board of NPCIL w.e.f. 29th February 2012.



Shri I. A. Khan

Director

Shri Ismail Ali Khan, Adviser (Energy), Planning Commission, Government of India, New Delhi, is B. E. (Electrical), M Sc. (Development Studies) from University of Bath, UK and also holding P. G. Diploma in Materials Management from Punjabi University, Patiala.

Shri Khan has experience in various functional areas in his career spanning more than 30 years. Shri Khan began his career with the Hyderabad Asbestos Cement Products Ltd., as Engineer. Prior to joining Planning Commission, he held positions like Assistant Engineer with the Singareni Collieries Company Ltd., a Government of A.P. Undertaking and Assistant Director of Training in the Directorate General of Employment & Training, Ministry of Labour, Government of India. As Assistant Director of Training, he was associated with the design and development of tailor made courses as per the specific needs of various industries, organisation of long-term and short-term courses for the training of middle management and supervisory personnel.

Since 1991, he has been working with Energy Division of the Planning Commission in various capacities and associated with the development planning and policy formulation for the

development of energy sector in India. Formulation of long term plans for the development of Power sector integrated to total energy sector development objectives including atomic power sector; formulation of development strategies for coal sector, petroleum and natural gas sector and renewable energy. Shri Khan has been closely associated with drafting sector specific reports, long term energy demand forecasting, economic research and policy level analysis, monitoring and evaluation of development projects, Project management, Project appraisal and administration. Shri Khan was also working in the UNDP CAP project - Capacity for Afghanistan Public Services Programme (CAP Project) on deputation from

Government of India from June 2007 to June 2009 as Coach/ Adviser under the Tripartite Agreement between UNDP, Government of India and Government of Afghanistan.

Shri Khan has written articles in the journal/magazines, attended number of International Conferences/Seminars. Shri Khan participated as panelist in number of National/ International conferences/seminars, presented papers and key note addresses at the International Conferences/ Seminars. He has also participated in training Programmes at national and international level.

Shri Khan has been appointed on the Board of NPCIL w.e.f. 26th September 2012.

Joined during the FY 2013-14



Shri S. G. Ghadge
Director - Technical

Shri S. G. Ghadge, Mechanical Engineering Graduate from Visvesvaraya National Institute of Technology, Nagpur, and Post Graduation in Nuclear Technology in BARC now known as Homi Bhabha National Institute. He has a distinguished career in Department of Atomic Energy,

Nuclear Power Corporation of India spanning 36 years, which covers multiple fields of Nuclear Reactor Process Design, Commissioning, Operational Improvements, Safety, Thermo Hydraulic Analysis with complex code development.

He spearheaded the internal reviews for post Fukushima safety assessment taking into account international thinking and worked out safety enhancement measures arising out of these reviews as well as AERB reviews. He was member of the Indian delegation to IAEA in the Convention of Nuclear Safety and contributed in generation of design and safety codes and guides for IAEA and AERB. He has several international and national publications to his credit. He is a Distinguished Scientist of the Department of Atomic Energy. Presently his responsibilities encompass design, health & safety, safety and licensing analysis, procurement for 700 MWe PHWR and building up of R&D facility at Tarapur. He is a full time Director on the Board of NPCIL from 1st July 2013.



Shri R. K. Gargye
Director - Projects

Shri R. K. Gargye graduated in Mechanical Engineering in 1974 from Madhav Institute of Technology and Science, Gwalior.

He has held significant positions in Nuclear Power Stations as Senior Maintenance Engineer (Mechanical), Engineer-in-Charge (Coolant Channel Replacement Group), Maintenance Superintendent, Chief Engineer (Nuclear & Conventional System), Chief Superintendent, Station Director, Site Director and Executive Director (Projects).

Under his leadership, various works were carried out for the first time in the country which were appreciated internationally.

He was instrumental in giving new life to one of the Reactors which was almost in the process of shut down in the year 1987. His innovative ideas and development work were implemented and the Reactor Component was repaired. This was also done for the first time not only in the country but in the world.

He has also reviewed the working of one of the leading Japanese Nuclear Power Station as a member of the World Association of Nuclear Operators Review Team.

Under his leadership rehabilitation of NAPS Turbine Generator after fire incident was achieved in a shortest possible time and this was also appreciated internationally.

At TAPS 3&4, he has worked as Chief Engineer (Nuclear & Conventional System) and had an additional charge of Chief

Superintendent involving construction and commissioning of these units in a record time. He was also the Station Director of TAPS 3&4 and subsequently Site Director of Tarapur Maharashtra Site.

He has done the Management Assessment of International Organisation – ITER, France (International Thermonuclear Experimental Reactor) as an expert member.

He was Conferred “VASVIK” Industrial Research Award in Mechanical Science and Technology, for the year 1998. He was also conferred the “NPCIL Technical Excellence Award” for the year 1998 – 99 for his excellent contributions. He was conferred the NPCIL High Performers Group Achievement Award for the years 2006 and 2007. He was conferred ‘NPCIL Leadership Award’ for the year 2008. “Vocational Excellence Award” was also conferred on him by Rotary Club of Boisar, Tarapur in the year 2011.

He is a full time Director on the NPCIL Board holding the position of Director (Projects) from 1st July 2013. He is responsible for all the ongoing Projects taken up by NPCIL indigenously and in collaboration with international vendors.



Dr. C. B. S. Venkataramana
Director

Dr. C. B. S. Venkataramana has post-graduate degrees in Commerce (Sri Venkateswara University 1977), Economics (University of Madras 1997) and Health Science (The Johns Hopkins University, School of Hygiene and Public Health, USA 2001). Dr. Venkataramana also holds a Doctor of Public Health degree from the University of Illinois, School of Public Health at Chicago, USA (2007).

Dr. Venkataramana joined the Indian Administrative Service in 1982. Presently, he is working as Additional Secretary, DAE. He has more than 30 years experience in Public Administration and has held numerous assignments including:

Collector & District Magistrate, East Godavari & Karim Nagar Districts, Andhra Pradesh

Vice Chairman, Urban Development Authority, Visakhapatnam, Andhra Pradesh

Director, Handlooms & Textiles, Government of Andhra Pradesh

Commissioner, Family Welfare & Principal Secretary, Health, Andhra Pradesh

Principal Secretary, School Education, Andhra Pradesh

Joint Director General of Shipping, Ministry of Shipping, Government of India

Joint Secretary, Cabinet Secretariat, Government of India

Dr. Venkataramana is on the Board of NPCIL since 10th May 2013.

Company Secretary



Shri Srikar R Pai

Shri Pai has done his graduation in Commerce and Law from the University of Calicut. He is a fellow member of the Institute of Company Secretaries of India, New Delhi. Prior to joining NPCIL, he was with Punjab National Bank, New Delhi. He has a rich banking experience of 21 years to his credit. He is also an Associate Member of the Indian Institute of Banking and Finance, Mumbai.

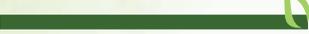
Our Mission and Objectives

Mission

'To develop nuclear power technology and to produce nuclear power as a safe, environmentally benign and economically viable source of electrical energy to meet the increasing electricity needs of the country'.

Objectives

The objectives of the company are:

01 

To maximise the power generation and profitability from nuclear power stations with a motto 'safety first and production next'.

02 

To increase nuclear power generation capacity in the country, consistent with available resources in a safe, economical and rapid manner in keeping with the growth of energy demand in the country.

03 

To continue and strengthen QA activities relating to nuclear power programme within the organisation and those associated with it.

04 

To develop personnel at all levels through an appropriate Human Resources Development (HRD) programme in the organisation with a view to further improve their skills and performance consistent with the high technology.

05 

To continue and strengthen the environmental protection measures relating to nuclear power generation.

06 

To continue and strengthen the neighbourhood welfare programme/ CSR activities for achieving inclusive growth of surrounding population.

07 

To share appropriate technological skills and expertise at national and international levels.

08 

To bring about modernisation and technological innovation in activities.

09 

To coordinate and endeavour to keep the sustained association with the other units of DAE.



Corporate Office, NPCIL - Nabhikiya Urja Bhavan



Enduring Success

Founded in 1987 under the Department of Atomic Energy (DAE)



Commenced operations with 6 nuclear power reactors



20 nuclear reactors currently with an installed capacity of 4780 MW



6 reactors under various stages of construction and commissioning with aggregate capacity of 4800 MW



8 projects with a cumulative capacity of 16100 MW proposed for launch in the XII Five Year Plan



Continuous run of more than 1 year recorded by 10 reactors



3 reactors have recorded a continuous run of more than 1 year twice



Safety record of 375 reactor years till 31st March 2013



ISO 14001 and ISO 18001 certification at each operating nuclear plant



Profit making and Dividend paying PSU with a AAA rating on bonds by both CRISIL and CARE

Integrated and Comprehensive Capability



Siting



Designing



Construction



Commissioning



Operation



Maintenance



Waste Management



Renovation and Modernisation



Upgrades



Plant Life Extension



NPCIL's stall in the 100th Indian Science Congress held at Kolkata

Public Outreach

NPCIL has adopted an innovative and multi-pronged approach to disseminate information on nuclear power to different target groups on a regular basis. Public outreach activities have been stepped up further to share facts on nuclear power and its unique benefits. These include:

01

Exhibitions to directly communicate with the public, industry experts and students.

02

Structured lectures to students and teachers of school and colleges, policy makers, planners, people's representatives, villagers, press and media personnel etc.

03

Organising visits of school children to the Hall of Nuclear Power at Nehru Science Centre in Mumbai and visits to nuclear power plants.

04

Scientific meets on radiation and cancer aimed towards generating awareness on nuclear power among media, doctors and para-medical staff across the country on an on-going basis.

05

Arranging our plant visits for locals to create awareness levels on safety, radiation and environmental benignity of nuclear power.

06

Clear communication in regional languages through comprehensive publications, jingles on mobile phones, FM radio and TV, distribution of over one million handouts.

07

Screening of short films on nuclear power using cinema and other electronic media.

08

Effective use of NPCIL website and other social media sites to improve perception.

Special Initiative

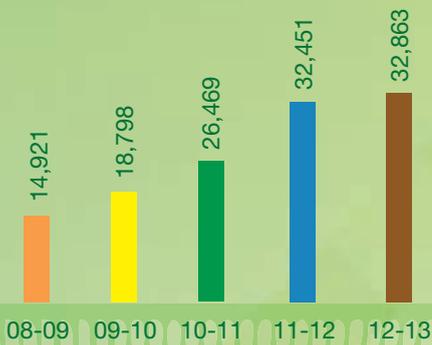
NPCIL has developed a wide range of publications in 7 languages aimed for enhancing public awareness. The development of single-sheet pictorial pamphlets which address the apprehensions of public on various issues related to nuclear power is noteworthy. During the year under report, around 7.5 lacs single sheets have been distributed to the masses.

Operational Highlights

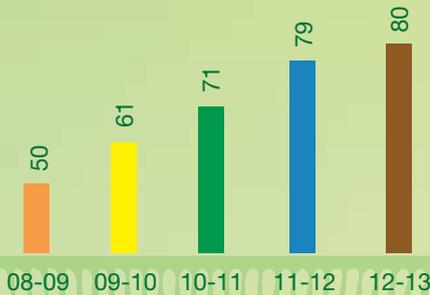
80%

Capacity Factor for the year 2012-13

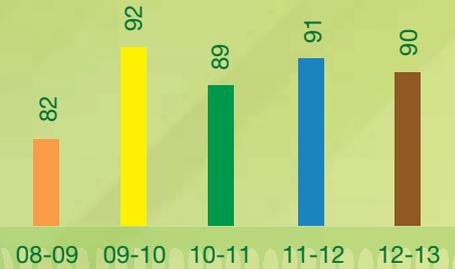
90% Weighted Average Availability Factor of operating stations in 2012-13



Generation
(in Million Units)



Capacity Factor
(Plant Load Factor)
(in %)



Availability Factor
(in %)

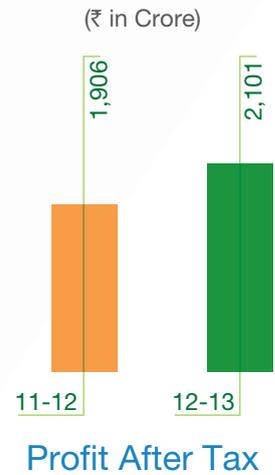
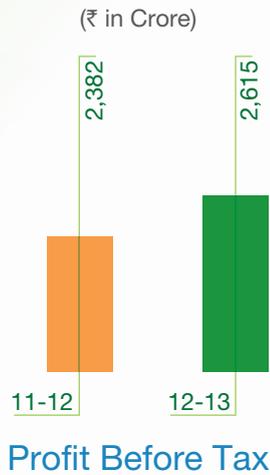
Key Financial Indicators

(₹ in Crore)

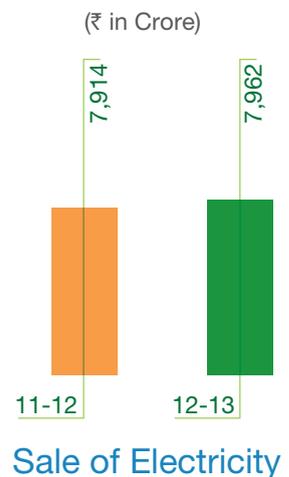
46,423
Total Assets



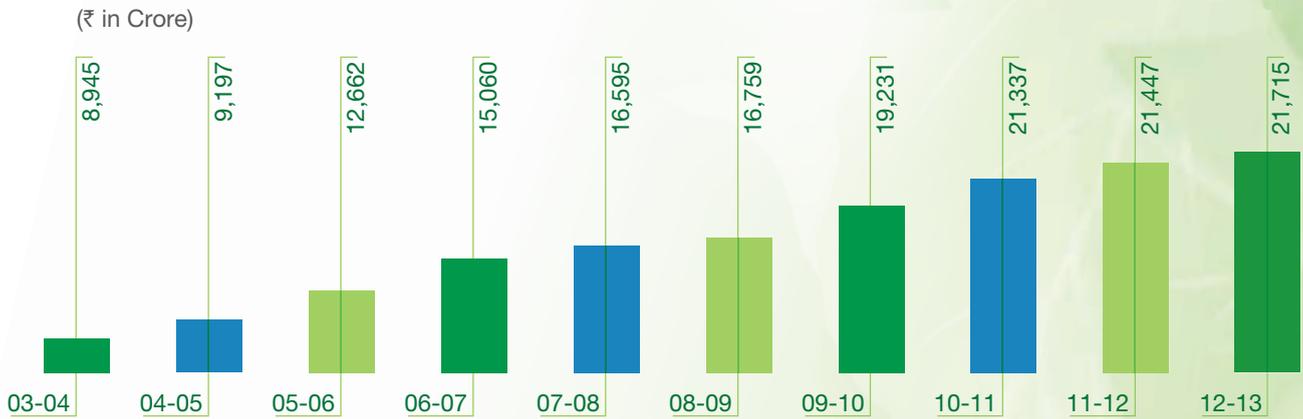
33,305
Total Fixed Assets
including CWIP



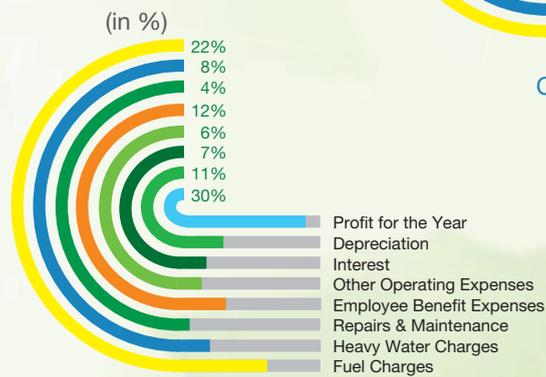
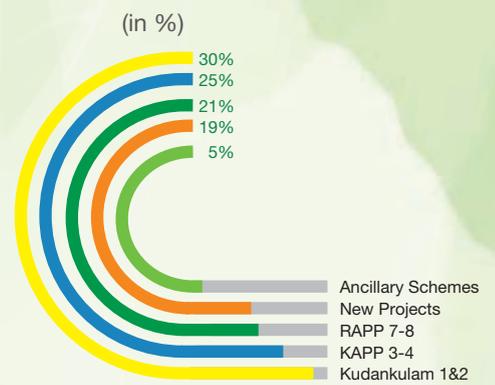
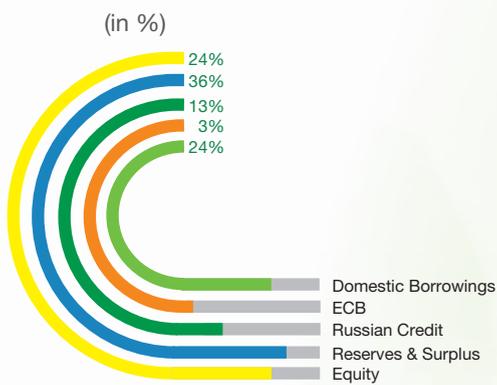
24,800
Net Worth



14,626
Revenue
Reserves



Fixed Assets Gross Block



Our Plants, Projects and Locations



Plants

Plant	Unit	Type	Capacity in MW	Date of commercial operation
Tarapur Atomic Power Station (TAPS), Tarapur, Maharashtra	1	BWR	160	28 th October 1969
	2	BWR	160	28 th October 1969
	3	PHWR	540	18 th August 2006
	4	PHWR	540	12 th September 2005
Rajasthan Atomic Power Station (RAPS), Rawatbhata, Rajasthan	1*	PHWR	100	16 th December 1973
	2	PHWR	200	1 st April 1981
	3	PHWR	220	1 st June 2000
	4	PHWR	220	23 rd December 2000
	5	PHWR	220	4 th February 2010
	6	PHWR	220	31 st March 2010
Madras Atomic Power Station (MAPS), Kalpakkam, Tamil Nadu	1	PHWR	220	27 th January 1984
	2	PHWR	220	21 st March 1986
Kaiga Generating Station (KGS), Kaiga, Karnataka	1	PHWR	220	16 th November 2000
	2	PHWR	220	16 th March 2000
	3	PHWR	220	6 th May 2007
	4	PHWR	220	20 th January 2011
Narora Atomic Power Station (NAPS), Narora, Uttar Pradesh	1	PHWR	220	1 st January 1991
	2	PHWR	220	1 st July 1992
Kakrapar Atomic Power Station (KAPS), Kakrapar, Gujarat	1	PHWR	220	6 th May 1993
	2	PHWR	220	1 st September 1995

* Owned by DAE, Government of India and Managed by NPCIL.



Projects

Plants under Different Stages of Constructions and Commissioning	Capacity (MW)	Type	Expected commercial operation
Kudankulam Nuclear Power Project, Tamil Nadu	2 x 1000	LWR	Unit 1 – 2013-14
			Unit 2 – 2013-14
Kakrapar Atomic Power Project, Gujarat	2 x 700	PHWR	Unit 3 – 2016-17
			Unit 4 – 2016-17
Rajasthan Atomic Power Project, Rajasthan	2 x 700	PHWR	Unit 7 – 2016-17
			Unit 8 – 2016-17

Our Presence



- Plants Under Operation
- ▲ Plants Under Construction
- Proposed Projects / in-principle approval received from Govt

* Indicative Capacity

Map for representation only. Not to scale.

Awards & Recognitions

NPCIL has been conferred with the “Global HR Excellence Award for Talent Management” by 21st Edition of World HRD Congress on 17th February 2013. The award was hosted jointly by the Institute of Public Enterprises & World HRD Congress.

NPCIL was awarded first prize for outstanding work done in the field of Official Language Implementation among Public Sector Enterprises of Government of India by Aashirwad Sansthan.

Tarapur Maharashtra Site (TMS)

- ✦ TAPS-3&4 was awarded NSCI Safety Award 2011 “Shreshtha Suraksha Pursakar”.
- ✦ TAPS-3&4 was the Winner of National Safety Council-Maharashtra Chapter (Maharashtra Safety Award Competition- 2011) under two categories viz. i) Lowest Average Accident Frequency Rate ii) Longest Accident free period.
- ✦ TAPS-3&4 received National Safety Award 2010, from the Ministry of Labour and Employment under the following categories. i) Lowest Average Accident Frequency Rate ii) Longest Accident free period.

Rawatbhata Rajasthan Site (RR Site)

- ✦ RR site was awarded Bronze shield in Suraksha Puraskar by National Safety Council of India on 07th November 2012 under category-C “Manufacture Sector of Power Generation”.
- ✦ RAPS-1&2 received Rajasthan Energy conservation Recognition award for the year 2012 from Rajasthan Renewable Energy Corporation Limited (RRECL)

Madras Atomic Power Station (MAPS)

- ✦ MAPS won the AERB Industrial Safety Award for the year 2011 under the category of production units among the DAE establishments.
- ✦ Won the ‘Shrestha Suraksha Puraskar (Silver Trophy), awarded by National Safety Council, Mumbai for the year 2011 in recognition of its development & implementation of effective management systems & procedures and achievement of very good performance in Occupational Safety & Health.

Narora Atomic Power Station (NAPS)

- ✦ NAPS has been awarded with ‘Golden Peacock National Training Award’ by the Institute of Directors for the year 2012.

Kakrapar Atomic Power Station (KAPS)

- ✦ The station received ‘Sarva Shreshtha Suraksha Puraskar – 2012’ from National Safety Council of India for the assessment period of three years – 2008 to 2010.
- ✦ KAPS won the “National Safety Award” from Director General, Factory Advice Service & Labour

Institutes (Ministry of Labour and Employment, Government of India) for the performance Year -2010.

- ✦ KAPS won the 6th “Eneria Awards 2012 – India’s Award for Sustainable Energy & Power” in the Category-1 Power Generation - Nuclear Power for Best Overall Performing Nuclear Power Station in India in Year-2012.
- ✦ The Station also won the ‘AERB Fire Safety Award-2012’ jointly with Heavy Water Plant, Kota in category-1 units.

Kaiga Generating Station (KGS)

- ✦ KGS-1&2 has bagged the “POWERLINE AWARD – 2012” for best performing Nuclear power station.
- ✦ The station has bagged coveted “Suraksha Puraskar” from National safety Council, Mumbai, consecutively for three years i.e. 2009, 2010 and 2011.
- ✦ The station has bagged “Unnata Suraksha Puraskar” from National Safety council-Karnataka Chapter, consecutively twice.
- ✦ KGS-3&4 was declared the winner of AERB Fire Safety Award (Cat-1) for the year 2011.

Directors' Report

Dear Stakeholders,

Your Directors have immense pleasure in presenting the twenty-sixth Annual Report of the Company, together with the Audited Accounts for the year ended 31st March 2013.

Performance Highlights

The financial performance of the Company for the year ended 31st March 2013 is summarised below.

Particulars	(₹ in Crore)	
	2012-13	2011-12
Revenue from Operations	7,962	7,914
Other Income	676	795
TOTAL INCOME	8,638	8,709
Operating & Maintenance Expenses	4,501	4,681
Finance Costs	556	672
Depreciation and Amortisation Expenses	963	961
TOTAL EXPENDITURE	6,020	6,314
Profit for the year	2,618	2,395
Prior period adjustments	(3)	(13)
Profit Before Tax	2,615	2,382
Provision for Taxation	514	476
Profit After Tax	2,101	1,906
Add : Balance brought forward from previous year	1,759	1,516
Add : Transfer of excess provision of Dividend Tax	-	1
Balance available for Appropriations	3,860	3,423
a) Interim Dividend	308	280
b) Tax on Interim Dividend	50	45
c) Proposed Dividend	322	292
d) Tax on Proposed Dividend	55	47
e) Transfer to General Reserve	1,000	1,000
f) Transfer to Bond Redemption Reserve	255	-
g) Balance carried to Balance Sheet	1,870	1,759
Earning per Share in ₹ (Equity share having face value of ₹ 1,000/- each)	207	188

The Company has achieved average capacity factor of about 80% as against 79% for the previous year. The use of imported fuel for nuclear reactors under IAEA safeguards and improved domestic fuel availability for reactors fuelled by domestic uranium resulted in higher capacity utilisation. The year under report recorded the highest ever nuclear power generation since the inception of the Company. Electricity

generation, as per the billing cycle, in 2012-13 has been 32863 Million kWh (MUs) as against 32451 MUs in 2011-12 showing an increase of 1%.

The revenue from sale of power generated from wind farm with an installed capacity of 10 MW at Kudankulam during the year was ₹ 4.99 crore as against ₹ 5.26 crore for the previous year.

The provision for taxation during the year was ₹ 514 crore as compared to ₹ 476 crore last year. The increase was on account of hike in profit before tax to ₹ 2,615 crore as against ₹ 2,382 crore in the previous year. Presently, the Company is being subjected to Minimum Alternate Tax @ 20.01% including surcharge and cess on tax after availing tax holiday benefits available under provisions of the Income Tax Act, 1961.

The amount received towards Decommissioning levy with interest thereon and interest received on Research & Development Fund and Renovation & Modernisation Fund has not been considered as income of the Company. These funds are held by NPCIL on behalf of the DAE and the Decommissioning levy is collected from beneficiaries based on a statutory notification issued by the DAE. The Income Tax Appellate Tribunal has decided that the interest earned on these funds be treated as income of the Company. While an appeal has been filed in the Honorable High Court of Maharashtra, Mumbai, the Company has appropriated ₹ 37 crore from these funds towards the income tax during the year, if finally, payable on these levies/funds.

The Company has been able to regulate its operational efficiency and has been able to achieve a net profit of ₹ 2,101 crore after tax.

The accumulated deferred tax liability as on 31st March 2013 was ₹ 1,274 crore on account of timing differences between book and tax profits. Out of the deferred tax liability of ₹ 1,274 crore, ₹ 1,249 crore is recoverable from the beneficiaries on account of income from generation of power, since the income tax payable on income from generation of power is recoverable from beneficiaries up to 30th June 2010. The amount of ₹ 1,249 crore of deferred tax is recoverable on becoming a part of the current tax. Therefore, such deferred tax is considered as recoverable and netted from such deferred tax liability / expense.

Capital

NPCIL is a Government Company with 100% shareholding by the President of India and nominees, through administrative control of Department of Atomic Energy. The Company has only one class of shares having par value of ₹ 1,000/- each with equal rights for Dividend and Vote.

The Company has not drawn any budgetary support from the Government of India since FY 2005-06 onwards. The total equity paid-up capital is ₹ 10,174 crore as on 31st March 2013 against the Authorised Capital of ₹ 15,000 crore.

Dividend

The Board has recommended a final dividend @ 30% of Profit After Tax (PAT) of the Company. This amounts to ₹ 630.30 crore, including the interim dividend of ₹ 308.15 crore. The dividend per share is ₹ 61.95 for the FY 2012-13 as against ₹ 56.28 for the previous year.

Resource Mobilisation

During the year, the Company has raised ₹ 1,500 crore through Non-Convertible Bonds (NCBs) by way of private placement at the interest rate of 8.54% (₹ 378 crore) and 8.56% (₹ 1,122 crore). The fund mobilised through this issue was utilised for capital expenditure of on-going projects and to maintain the approved Debt-Equity Ratio of on-going projects. This is cheaper than the cheapest G-Sec rate of 8.75% in the FY 2012-13.

During the year, Company has withdrawn the balance 75 million US \$ out of 250 million US\$ sanctioned as External Commercial Borrowings (ECB) by State Bank of India, Singapore Branch in the FY 2011-12 (The Company had withdrawn 175 million US\$ upto 31st March 2012). The ECB represents mobilisations of debt to meet the requirement of capital expenditure for the procurement of capital equipments for various sites. The applicable rate of interest is LIBOR + Margin (predetermined spread of 2.35%).

The Company has redeemed Bonds of ₹ 80 crore during the year as per the terms of their issue. The Company has also repaid term loan of ₹ 400 crore during the year, as per the terms of the said loan.

Financial Security for the Civil Liability for Nuclear Damage

As per the provisions of the Civil Liability for Nuclear Damages Act, 2010, the Company has taken a financial security in the form of Bank Guarantee favouring Government of India for the value of ₹ 1,500 crore.

Operating Performance of the Stations

The performance of all operating units was satisfactory during the year 2012-13 and these generated 32863 MUs of electricity, recording the highest ever generation in a financial year, crossing the MoU target of 31060 MUs. The overall Capacity Factor was 80% and the weighted average Availability Factor was 90%. In addition, Kudankulam Wind Farm generation during the year was 19 MUs.

Major Highlights

TAPS-3, TAPS-4, RAPS-4, RAPS-6, MAPS-1, NAPS-2, KAPS-1, KGS-1, KGS-3 and KGS-4 attained greater than 90% Availability Factor during the financial year.

During the year 2012-13 Biennial Shut Downs (BSDs)/refuelling outage were availed in 10 units to execute all the planned jobs. These units were TAPS-1, TAPS-2, TAPS-3, RAPS-2, RAPS-3, RAPS-5, KAPS-2, KGS-2, MAPS-2 & KGS-4.

Highlights of the Operating Performance of the Stations

The commercial generation, the yearly Capacity Factor (CF) and the annual Availability Factors (AF) are summarised in the Table.

Station	Unit No.	Capacity (MW)	Generation (MUs)	CF (PLF) (%)	AF (%)
TAPS	1	160	577	41	43
	2	160	1007	72	75
	3	540	4373	92	94
	4	540	3866	82	97
STATION TOTAL		1400	9824	80	87
RAPS	2	200	1584	90	85
	3	220	1757	91	89
	4	220	1926	100	97
	5	220	1760	91	86
	6	220	1819	94	91
STATION TOTAL		1080	8846	94	90
MAPS	1	220	1485	77	96
	2	220	1257	65	89
STATION TOTAL		440	2742	71	92
NAPS	1	220	1226	64	90
	2	220	1315	68	97
STATION TOTAL		440	2541	66	93
KAPS	1	220	1832	95	93
	2	220	1639	85	86
STATION TOTAL		440	3470	90	90
KGS	1	220	1464	76	99
	2	220	1270	66	90
	3	220	1447	75	97
	4	220	1259	65	91
STATION TOTAL		880	5440	71	94
NPCIL TOTAL		4680	32863	80	90

Fuel Availability

The use of imported fuel for reactors placed under IAEA safeguards and the progressive improvement in supply from indigenous sources resulted in operation of reactors at higher capacity factors. The imported fuel was made available for

TAPS-1&2, RAPS-2, RAPS-3&4, RAPS-5&6 and KAPS-1&2 reactors placed under IAEA safeguards, in accordance with the Separation Plan. The total capacity of these operating reactors under safeguards is 1840 MW.

Ongoing Projects

Kudankulam Nuclear Power Project-1&2 (2 x 1000 MW VVERs)

The Kudankulam Nuclear Power Project, located in Tirunelveli District of Tamilnadu, is being implemented with Technical Co-operation from Russian Federation within the framework of the Inter-Governmental Agreement signed between erstwhile USSR and India. The construction of the project commenced on 31st March 2002 with the First Pour of Concrete. The power generated from the project (2 x 1000 MW) shall be fed to Tamilnadu and other beneficiary states in the southern grid in accordance with the allocation of power by Ministry of Power, Government of India.

The Unit-1 of the project is in final stage of commissioning. Reactor Pressure Vessel of the Unit-1 is loaded with 163 nuclear fuel assemblies and the primary system boxed up. All the pre-operational tests which includes the functional test of individual equipment / system, Integrated Leak Rate Test (ILRT) of reactor building containment, circular flushing and hydro test of primary circuit, hot run of the Nuclear Steam Supply System (NSSS) and pre-service inspection of main equipment, commissioning and fine tuning of plant control and protection systems as well as neutronic instrumentation systems have been successfully completed. The entire tests at the nominal operating parameters for the reactor and safety systems have been successfully completed. Emergency Transfer of Power Supply test (EMTR) for all the DGs as well as Group-3 power failure test for safety systems have also been completed successfully. Primary, secondary, cooling water systems and the auxiliary systems are operational. The Main Control Room is operational and manned by qualified and licensed manpower. 220 kV and 400 kV switchyards are charged and are operational. On the secondary cycle side, hydro test of secondary side is completed. The commissioning of turbine governing system, Turbine Driven Feed Water Pumps, safety valves (steam dumping to air and condenser), Condenser Cooling Water Systems (CCW) pumps and condensate extraction pumps have been completed. Main condenser vacuum pulling has been done successfully. TG is put on barring gear and is ready to receive steam for power generation.

In Unit-2, all the construction works and mechanical erection works have been completed and commissioning of the systems is in advanced stage. The flushing of the 'reactor systems to open reactor' (spillage to reactor) has been completed. All

the 6 kV power supply buses are charged and are in service. Commissioning of the refuelling machine is in progress and activities for dummy fuel loading into the reactor are in advanced stage. All the computer based systems have been installed and commissioned. Main Control Room (MCR) is made operational. The cabling works and the terminations are in final stage. As per the present plans, Unit-II is planned to be commissioned with a time gap of around 8-10 months with respect to Unit-1.

Kakrapar Atomic Power Project-3&4 (KAPP-3&4)

The administrative approval and financial sanction from the Government of India for setting up 2 x 700 MW PHWRs for KAPP-3&4 was received in October 2009. The construction of the project took off by laying the First Pour of Concrete on 22nd November 2010. KAPP-3&4 is India's first NPCIL designed Nuclear Power Reactor of 700 MW series.

Since first pour of concrete, the main plant civil works started in full swing and construction of all the buildings of both the units were taken up simultaneously. During 2012-13, significant progress has been achieved on all the civil fronts. Calandria Vault construction of Unit-3 has been completed. Calandria for KAPP-3 has been dispatched to site and site preparation for Reactor Erection work is completed. Construction of Reactor Building-3 and Reactor Building-4 has been completed up to Elevation (EL.) 109 M and EL. 100 M respectively.

For the first time in Indian PHWR Super Heavy Concrete of density 4.2 MT/M³ has been used extensively for radiation shielding purpose and its utility has been validated by various full scale mockups at site and radiometry of samples at Isotopes Application Division, BARC. Also for the first time in Indian PHWR Containment Spray System is being introduced as an engineered safety feature. Its functionality has been validated by a full scale mock-up which was constructed at Kakrapar Township and successfully demonstrated to AERB.

In Balance of Turbine Island Package (BoTIP), construction of Raft and Turbine Generator Mat for both the units was completed in single month and further construction up to EL. 100 M is under completion.

On completion of civil works, significant area has also been released to other execution group and construction work of other contract packages has also commenced as planned.

The construction works of Induced Draft Cooling Tower (IDCT) are also progressing well. After completion of excavation for

all four towers of both the units, PCC, footings and columns concreting is also nearing completion for IDCT 3A & 3B.

Natural Draft Cooling Tower (NDCT) package is awarded and site works have also been commenced and site clearance work has been completed and excavation is started.

The Project is slated for completion in the year 2016-17.

Rajasthan Atomic Power Project-7&8 (RAPP-7&8)

The administrative approval and financial sanction from the Government of India for setting up 2 x 700 MW PHWRs for RAPP-7&8 was also received in October 2009.

The construction of RAPP-7&8 commenced with First Pour of Concrete on 18th July 2011.

With the completion of raft of Nuclear Building-7 and start of construction of Calandria Vault and inner containment wall, Reactor Building-7 has started taking shape. The construction of internal structures in NB-7 i.e. Reactor Auxiliary Building, Fuelling Machine Service Areas, Fuel Transfer Room, Moderator Room and Spent Fuel Storage Bay has been started. Raft of Nuclear Building-8 is nearing completion. Works are being executed simultaneously for other plant buildings.

The project is slated for completion in the year 2016-17.

New Projects

Kudankulam Nuclear Power Project-3&4 (KKNPP-3&4)

The Kudankulam Nuclear Power Project Unit-3&4, an expansion programme of Unit-1&2, located in Tirunelveli district of Tamilnadu, is planned with co-operation of Russian Federation.

Environmental and Coastal Regulation Zone clearances from the Ministry of Environment and Forests (MoEF) were received in July 2012. The Environmental Impact Assessment (EIA) studies have been carried out by National Environment Engineering Research Institute, and subsequently up-dated by M/s. Engineers India Limited. The Marine EIA has been carried out by Central Marine Fisheries Research Institute. Siting consent was already received from AERB and excavation consent, submitted to AERB, is under review. Process for obtaining clearance from Tamilnadu Pollution Control Board is in progress.

First priority design activities, for which a contract has been signed with Atomstroyexport (ASE), Russian Federation, are in progress. The first priority works include design of hydro-technical structures, changes of Unit-3&4 with respect to Unit-1&2, layout finalisation, interface documents, excavation

drawings and raft foundation drawings for main plant, etc. which are essential to take up the First Pour of Concrete.

Site grading and leveling has already been completed. Phase-I infrastructure works for Plant site and Township like property fencing, security fencing, development of master plan for township and plant site have been completed. Phase-II Site Infrastructure works like project office complex, approach road, township expansions, etc. have commenced.

The administrative approval and financial sanction for setting up of KKNPP Unit-3&4 has been received from Government of India on 22nd March 2013. Techno-commercial discussions in respect of 2 x 1000 MW VVERs at KKNPP-3&4 with ASE, Russian Federation are in advanced stage of finalisation.

Gorakhpur Haryana Anu Vidyut Pariyojana

In-principle approval for Haryana site was accorded by the Government of India in October, 2009. The Haryana Project has been named as "Gorakhpur Haryana Anu Vidyut Pariyojana" (GHAVP) and an office has been set up at Hisar to strengthen the pre-project activities. The EIA study, specialised study for regulatory clearance including siting consent and other associated activities were taken up to realise the early start of the project. The award under Section 11(1) of the Land Acquisition Act, 1894 was declared on 18th January 2012 and subsequently land acquisition for the project has been completed. The Geo-technical and Geo-physical investigation works are progressing. All other specialised studies like a design basis flood analysis, statistical analysis of metrological data, assurance of water availability for cooling throughout the life of the plant, topographical survey of the site etc. have already been completed and the observations/results have already been provided to the Regulator.

Jaitapur Nuclear Power Project (JNPP)

The Jaitapur Nuclear Power Project (JNPP) is proposed to be set up in technical collaboration with AREVA, France. Two Evolutionary Pressurised Water Reactors (EPRs) are planned in the first phase of the six units of 1650 MW. Government of India accorded the 'in-principle' approval for the site and land is already transferred to NPCIL. The Environmental and Coastal Regulation Zone clearances (CRZ) have been accorded by Ministry of Environment and Forests (MoEF) in 2010. Various pre-project activity like geo-technical investigation, boundary wall construction, consultancy contract, etc. are in progress at site of Main Plant.

Revised Techno-commercial offer submitted by AREVA is currently under negotiation.

Chhaya Mithi Virdi

The Government of India accorded in-principle approval for locating six units of Light Water Reactors at Chhaya Mithi Virdi site in Gujarat in October, 2009. The public hearing for environmental clearance by MoEF was held on 5th March 2013. The Application for issuance of notification under Section 4 of Land Acquisition Act, 1894 has been submitted to the authorities. R&R package is under discussion with Gujarat State Government. The various geo-technical, flood studies, seismotectoinc and other environmental studies are in progress.

Overview of Projects at New Green Field Sites

In 2009, the Government of India has given in-principle approval for full potential of Sites at Kudankulam and Jaitapur and also for five new sites; two for indigenous PHWRs and three for LWRs based on foreign co-operation. The details of the 'in-principle' approval / full potential are:

Location	Reactor Type	Capacity (MW)
1. Gorakhpur, Haryana	Indigenous PHWRs	4 x 700
2. Chutaka, Madhya Pradesh		2 x 700
3. Kudankulam, Tamilnadu	LWRs based on international co-operation	4 x 1,000
4. Jaitapur, Maharashtra		6 x 1650
5. Mithi Virdi, Gujarat		6 x 1,000 *
6. Kovvada, Andhra Pradesh		6 x 1,000 *
7. Haripur, West Bengal		6 x 1,000 *

* Indicative capacity and actual capacity will be in accordance with the LWR technology deployed at site.

In July 2011, the Government of India accorded 'in-principle' approval for three more inland sites for setting up 700 MW PHWRs - Mahi Banswara (4 x 700 MW) in Rajasthan, Bhimpur (4 x 700 MW) in Madhya Pradesh and Kaiga (2 x 700 MW) in Karnataka. Launch of the first phase of reactors as indicated above except Bhimpur Project in Madhya Pradesh and Haripur in West Bengal is envisaged to be taken up during the XII Plan period. The sites at Bhimpur in Madhya Pradesh and Haripur in West Bengal are planned for Pre-project activities in XII Plan.

The pre-project activities at new green field sites are in progress. These include opening of the NPCIL offices in nearby towns, EIA for MoEF clearance, design input for regulatory clearance,

steps for obtaining sitting consent from the regulator, public awareness programmes and actions for land acquisition to prepare the sites for launch of project.

New Initiatives and Business Development

NPCIL is taking various new business initiatives for public-public as well as public-private partnership to strengthen the Indian Nuclear Power Capability and expanding power generation capacity.

NPCIL with L&T Ltd.

NPCIL and Larsen & Toubro (L&T Ltd.) set up a Joint Venture Company in the FY 2009-10 under the name 'L&T Special Steel & Heavy Forgings Pvt. Limited' (LTSHF) as a subsidiary of L&T Ltd. with NPCIL having 26% shareholding. This Public-Private Partnership is to produce special steels and ultra heavy forgings including those required for Nuclear Power Plants. NPCIL has been interacting with LTSHF proactively for extending technical support for development of forgings for PHWR type of reactors. The current phase of the facility has been declared commercial from 1st October 2012.

NPCIL with NTPC Ltd.

NPCIL and NTPC Limited have incorporated a Joint Venture Company under the name of 'Anushakti Vidhyut Nigam Limited' on 27th January 2011 to set up Nuclear Power Projects in the country. The JV Company is a subsidiary of NPCIL with 51% of share capital held by NPCIL.

NPCIL with IOC Ltd.

A Joint Venture Company between NPCIL and Indian Oil Corporation Limited (IOCL), under the name of 'NPCIL - IndianOil Nuclear Energy Corporation Limited' was incorporated on 6th April 2011 as a subsidiary of NPCIL to set up Nuclear Power Projects in the country. The Certificate for Commencement of Business was issued to the Company by Registrar of Companies, Mumbai, Maharashtra on 26th May 2011.

NPCIL with NALCO Ltd.

NPCIL-NALCO Power Company Limited, a Joint Venture Company between NPCIL and National Aluminum Company Limited (NALCO) was incorporated on 2nd March 2012 with NPCIL as the majority Partner and NALCO as the minority Partner, for setting up Nuclear Power Plants in the country. The Joint Venture Company is a subsidiary of NPCIL. The Company received the Certificate for Commencement of Business on 19th May 2012 from the Registrar of Companies, Mumbai, Maharashtra.

NPCIL with THDC India Ltd.

NPCIL and THDC India Limited had signed an agreement on 20th August 2008 for Survey & Investigation and preparation of Detailed Project Report of the Malshej Ghat Pumped Storage Scheme having installed capacity of 700 MW at Malshej Ghat, near Mumbai. The survey and investigations have been completed and the Detailed Project Report is submitted to the Government of Maharashtra. The finalisation of Implementation Agreement between Maharashtra Government and proposed Joint Venture Company of NPCIL and THDCIL has been taken up with Government of Maharashtra.

Engineering & Procurement

NPCIL is making efforts in design and engineering to sustain and improve quality and efficiency. Special emphasis is given to enhance and achieve higher standards of safety.

Detailed engineering activities for the 700 MW PHWRs launched at KAPP-3&4, Kakrapar and RAPP-7&8, Rawatbhata were pursued. Initiative taken towards creating Integrated Engineering Environment using 3D modeling for the 700 MW PHWRs started fructifying. This methodology of engineering is expected to minimise efforts and major corrective actions during erection, thereby savings on cost and time. Engineering for layout arrangement of feeders in an inter-leaved configuration in the core was finalised, which was a major engineering challenge. This arrangement has been done for the first time in PHWRs. This is an additional safety feature, which will further minimise reactivity excursions during postulated Design Basis Events.

While safety enhancements, based on post-Fukushima review and recommendations, have been incorporated in the design of 700 MW PHWRs, retrofitting of additional safety features for the currently operating plants is in the advanced stage of implementation.

Design validation of first of a kind systems viz. Passive Decay Heat Removal System (PDHRS) and Containment Spray System (CSS) was completed by demonstrating system performance using prototype models. These systems will now be an integral part of design of all 700 MW projects.

As part of life extension of TAPS-1, structural integrity assessment of Reactor Pressure Vessel was carried out and regulatory clearance obtained for further operation.

As regards Procurement functions, with the active encouragement and support of NPCIL, many new indigenous

vendors have successfully taken up the challenge of manufacturing even critical items like calandria, top hatch beams, control rods, end fittings and moderator canned motor pumps, feed water heaters to the exacting requirements called for these equipments.

The formation of tripartite joint venture company amongst BHEL, ALSTOM, France and NPCIL for execution of 700 MW conventional islands is under active deliberation.

Contracts & Materials Management

During the year 2012-13, the system to issue public tenders through e-mode for the indents valuing upto ₹ 50 lacs which otherwise qualify for processing on limited tender basis was implemented. This gave immense opportunity for the vendor community to participate and compete in NPCIL tenders in transparent and efficient manner. In response to vendor awareness cum training programmes initiated by the Company, more than 8000 vendors have been enrolled on NPCIL e-Tendering portal and the number of e-Public Tenders has increased substantially across the Company. Further, online payment gateway facility was launched /implemented resulting in handling huge vendor base, efficient collection and upkeep of tender fee received from bidders.

As per the directive received from Government of India regarding new procurement policy for Micro and Small Enterprises (MSEs) as per MSME Act 2006, the target of 6% of the total annual procurement and services for the FY 2012-13 for procurement of those goods and services quoted by MSEs and also 1.2% sub-target from MSEs owned by SC/ST Enterprises set by NPCIL has been met. The target for the FY 2013-14 has been set to 10% of the total annual procurement and services for procurement of those goods and services quoted by MSEs with a 2% sub-target from MSEs owned by SC/ST Enterprises.

Health, Safety & Environment

NPCIL accords utmost importance to safety over the demands of production or project schedules. Continuing with its policy of "Safety First" and striving for maintaining the high standards of safety within NPPs, the occupational exposures of employees of the Company at various NPPs were maintained below the limit specified by Atomic Energy Regulatory Board (AERB). Continuing with the emphasis on the principle of ALARA (As Low As Reasonably Achievable), the environmental releases of radioactive effluents from NPPs were maintained within the limits specified by AERB.

For ensuring effective safety culture in line with NPCIL policies, different levels of reviews are in place to bring excellence in safety performance; such as review by Directorate of HSE, peer review by international agency, corporate review by a team of senior officers from stations and corporate office, Internal Review / Self Assessment by NPPs. In line with the commitment of practicing the nuclear industry safety standards, during the year, MAPS was offered for peer review conducted by World Association of Nuclear Operators (WANO). Corporate Reviews were carried out for RAPS-2, TAPS-1&2, KAPS and NAPS. The Internal Reviews / Self Assessments were undertaken by respective stations for assessment and reinforcement of safety practices and safety culture at their stations.

Health Physics

Operational Health Physics functions at all operating stations and projects under commissioning were performed with the safety objective in priority. The radiological impact assessment reports in respect of new Nuclear Power Projects at Gorakhpur, Haryana and Mithi Viridi, Gujarat were reviewed for submission to Ministry of Environment and Forests. Independent in-house self assessment and corporate review for radiological safety were conducted for strengthening the radiological safety practices of the operating nuclear power stations.

Environmental Safety

The Environmental Management System (EMS) and Occupational Health and Safety Management System (OHSMS) as per ISO-14001:2004 and IS-18001:2007 respectively were maintained at all the operating NPPs. Under Corporate Environment Policy, Periodic Reviews/Audits of NPPs were carried out to establish adherence to environmental legislation, for integration of environmental concerns, to ensure judicious use of environmental resources and to ensure continual improvement in environmental performance of NPPs.

As part of environmental clearance process, public hearings were completed based on Environmental Impact Assessment (EIA) reports prepared for NPPs at Gorakhpur, Haryana and Mithi Viridi, Gujarat. The site specific Coastal Regulation Zone (CRZ) demarcation, thermal dispersion and marine ecological studies, pre-operational radiological survey and dose apportionment were completed for NPP at Mithi Viridi, Gujarat. The draft EIAs report for NPP at Mithi Viridi, Gujarat was submitted to Gujarat State Coastal Zone Management Authority for No Objection under CRZ. For Chutka Site in Madhya Pradesh, the draft EIA was submitted to State Pollution Control Board for organisation of public hearing. The draft

EIA report for NPP at Kovvada Site in Andhra Pradesh was in advanced stage of completion. Three seasons biodiversity monitoring for terrestrial and inter tidal areas was completed in the region around Jaitapur NPP to develop Biodiversity Conservation Plan.

Nuclear Safety

Nuclear Safety has always been NPCIL's continuous endeavor. NPCIL has unique mechanism of safety review through Safety Review Committees (SRCs) internal bodies of the Company. In pursuit of safety improvements, it carries out comprehensive and systematic safety assessments by multi-tier and multi-disciplinary review system during design, construction, commissioning and operation phases of NPPs. The assessments are well documented, subsequently updated (in the light of operating experience and significant new safety information) and reviewed at NPP level and corporate level.

Events at an operating NPP are reviewed and the lessons learnt are utilised for improvement. The internationally reported events are also utilised to incorporate improvements in Indian NPPs as applicable. The inputs from operational experience are utilised for improvements in the design of new reactors. Self assessments at NPPs are routinely organised to assess safety perspective. Peer reviews services by World Association of Nuclear Operators (WANO) are effectively utilised to improve safety and reliability.

After the nuclear accident at Japan's Fukushima NPP, NPCIL constituted task forces to review safety margins in Indian NPPs and recommend few suggestions to enhance the existing safety margins from current level. The reports of these taskforces were posted on NPCIL website to maintain transparency.

Industrial & Fire Safety

Strengthening of Industrial and Fire Safety at NPCIL plants, projects and Head Quarters was continued in a planned and systematic manner during the year through multi-pronged approach such as Safety Surveillance, Safety Reviews and operating experience sharing. Training needs of Industrial and Fire Safety professionals at NPCIL units were identified and programme execution has been taken up. Awareness programmes on various topics on Industrial and Fire Safety were conducted during National Safety Day and Fire Service Week.

Reactor Safety & Analysis

Carrying out the deterministic and probabilistic safety assessment of Nuclear Power Plants is an on-going process.

Some of the achievements of Directorate of Reactor, Safety & Analysis during the year under report are as under:

- For effective mitigation of hydrogen, when generated during some of the postulated severe accident scenario, the computer codes were developed for optimisation of the numbers and locations of Passive Autocatalytic Recombiners (PARs). The numbers and locations of PARs in containment worked out for RAPS-2, MAPS-1&2, NAPS-1&2, KAPS-1&2, KGS-1 to 4, RAPS-3 to 6 and feasibility of their installation is under review.
- Up-gradation of computer codes for safety analysis and its validation are ongoing evolutionary process. In this direction, participated in IAEA coordinated International Collaborative Standard Problem on Post Test calculation on "Integral PWR Design Natural Circulation Flow Stability and Thermo Hydraulic Coupling of containment and Primary System during Accidents" simulating Multi Application Small Light Water Reactor (MASLWR) Test facility. Computed simulated Test results of natural circulation phenomena compare well with experimental results.
- Safety Analysis for 700 MW PHWR fuel handling system design was performed for station blackout conditions.
- In-house code FIREKAL has been augmented to simulate multi-compartment fire using 2-zone model and validated with respect to internationally accepted approach.
- Indigenous Human Cognitive Reliability model was developed for Level-1 Probabilistic Safety Assessment of Indian PHWRs, based on the response data of operators obtained on PHWRs simulator training for handling transients and design basis accidents.
- For full power Level-1 internal event PSA of KAPP-3&4, the reliability analysis of Shutdown Cooling System, Fire Fighting Water System and Moderator Circulation System has been completed.

Quality Assurance

NPCIL, in all its endeavors, is committed towards upgradation and continuous improvement of Quality Management, Quality Assurance/Surveillance, Pre-service Inspection/In-service Inspection and interface with regulatory body.

Strengthening of QA activities has also been undertaken by implementing Quality Management System as per ISO 9001.

Quality Assurance/Surveillance has been carried out expeditiously during manufacturing of components/equipment

for projects and stations by timely and effective QS coverage to meet the projects and stations schedules.

Corporate QA reviews are conducted in planned way for the operating stations in line with WANO review.

NPCIL continued to provide QA consultancy services to BARC, BHAVINI, DRDO, etc.

Human Resource Management

Human Resource is the most vital asset of the organisation and its performance has been improving year after year due to investment in enhancement of knowledge through training and skill development. A detailed projection of human resource management is made in the Management Discussion and Analysis which is annexed as Annexure-B to the Report.

Implementation of Reservation Policies

SC / ST / OBC reservation policies are being fully complied with and development of SC / ST personnel is being given paramount importance.

Reservation has also been provided to physically challenged as per rules / policy. Presently, 93 physically challenged persons are on rolls of NPCIL. The following represents the statistical information on reservation and related matters:

Strength of physically challenged persons as on 31st March 2013:

Group	HH	OH	VH	Total
A	-	16	02	18
B	02	40	04	46
C	01	23	05	29
TOTAL	3	79	11	93

Strength of reserved categories as on 31st March 2013:

Group	Total No. of Employees	SC	ST	OBC
A	4410	368	86	510
B	4812	808	340	1005
C	2359	546	272	660
TOTAL	11581	1722	698	2175

Promotion effected during the year 2012-13:

Group	Total No. of Employees	SC	ST
A	236	08	-
B	1388	264	79
C	757	148	73
TOTAL	2381	420	152

Implementation of Official Language

NPCIL fully complies with the Government of India directives on implementation of Official language. NPCIL has been relentlessly making all efforts towards continuous improvement in the progressive use of official language among all its units, projects and HQs. NPCIL's efforts in propagation of official language have been receiving commendations and awards at various forums.

To encourage the officers/employees of NPCIL to do their official work in Hindi and allay their apprehensions regarding use of the language, 32 workshops were organised during the year 2012-13 and 750 officers/employees were trained in these workshops.

During the period, total 96 Hindi monthly competitions were conducted to promote the use of official language which were attended by more than 1800 participants.

A new "Hindi Sevi Samman Yojana" Scheme has been introduced in NPCIL to acknowledge the outstanding contributions of NPCIL officers/employees in the field of official language. Two employees were awarded under this scheme during 2012-13.

During the year under report, NPCIL was awarded first prize for outstanding work done in the field of Official Language Implementation among Public Sector Enterprises of Government of India by Aashirwad Sansthan.

Knowledge Management

Knowledge Management Group at HQ is entrusted with the activities of analysis of manpower requirement, interface and coordination with Human Resource Group for recruitment of fresh and experienced graduate engineers, follow-up with NTCs/STCs for management and implementation of one-year Orientation Training Programme (OTP), conduct of management development and knowledge dissemination programmes, capturing tacit knowledge, management of Technical Resource Information Center (TIRC) and such others.

The co-ordination activities of Knowledge Management Group resulted in the recruitment of 208 fresh Executive Trainees during the FY 2012-13.

For the first time in the history of NPCIL, the Module-I (Nuclear Engineering Fundamentals) of OTP for a very large group consisting of 208 Executive Trainees of Batch 21 was organised, managed and conducted at a common venue at Mumbai.

During the year under report final, placement of 186 Executive Trainees from NPCIL Batch 20 (including 12 Civil Executive Trainees) and 7 Trainee Scientific Officers from OCES-2011 from BARC Training School was completed. Also one year orientation training and placement of 19 NTPC and one IOCL trainee engineers of NPCIL's Joint Venture partners, along with NPCIL Executive Trainees, was undertaken.

Various training programmes were organised in order to enhance soft skills for attitudinal and personality development and competency level of officers at middle level and Leadership Excellence for senior management. On need based training front, "Works and Service Contracts" programmes were arranged at HQs and at various sites.

During the year 2012-13, 573 person-weeks continual training/management development programmes were organised in which officials from HQs, stations and construction sites participated.

Corporate Social Responsibility and Sustainability

NPCIL as a responsible corporate citizen is committed for the philosophy of caring and sharing. NPCIL has always been well aware of the need to benefit society by enhancing the quality of lives of people in and around its power plants and surrounding areas. The organisation continues to play an active role through a host of community development initiatives. The focus was on healthcare, education and infrastructure development.

At each unit of NPCIL, CSR activities are taken up in the area within 16 km radius from the power plant. In line with the CSR policy, projects in education, healthcare and infrastructure development areas are taken up for implementation.

During the year 2012-13, fund of ₹ 55 crore was allocated for CSR activities and ₹ 2.30 crore (₹ 3.99 lacs was initial balance in non lapsable fund plus ₹ 226.08 lacs surrendered by sites) was available in non lapsable fund from year 2011-12 totalling to ₹ 57.30 crore. Using this fund the CSR projects worth ₹ 10.36 crore have been completed, CSR projects worth ₹ 42.11 crore are in progress and remaining fund of ₹ 4.83 crore is in non lapsable fund for FY 2013-14.

In 2012, the Silver Jubilee Year of the Company, an additional fund of ₹ 125 crore was allocated for CSR activities, which was to be spent in 2 years i.e. 2012 to 2014. Using this fund the CSR projects worth ₹ 2 crore have been completed. CSR projects worth ₹ 42.81 crore are in progress. Remaining CSR works worth ₹ 80.19 crore are to be planned. About 300 CSR

projects have been planned using this amount. These projects are in the different stages of implementation.

The CSR projects of the units are monitored on quarterly basis by the NPCIL Headquarters. An internal audit is also conducted annually. Independent evaluation of CSR programmes of the Company is being planned to be implemented at the earliest. A comprehensive assessment of the impact the CSR programmes made on the quality of life of the local people is also being planned. The CSR projects have helped in establishing a channel of effective communication with the local population near the units of NPCIL.

The essence of Sustainable Development is being practised in NPCIL to meet the needs of today, without compromising the requirements of tomorrow. Sustainable Development involves an enduring and balanced approach to economic activities, social progress and environment responsibility. NPCIL has been implementing various sustainable development activities while carrying out its business.

Corporate Environmental Responsibility

NPCIL, as a responsible public sector enterprise, is conscious about its Corporate Responsibility towards Environment. The 'Environment Safety' has been prominently included in its Mission Statement and is also reflected in the HSE Policy Statement. The stations and projects are pursuing the Environmental Goals and Objectives of NPCIL. Operating Stations have also adopted Environment Management Systems, in line with ISO-14001, and are audited and certified periodically by the accredited agencies. The Environment Management meets are organised to propagate the knowledge and requirements of Environmental Safety and share Good Practices in this regard.

NPCIL functions in conformity with its Corporate Environment Policy adopted in January 2012.

Corporate Communication

Corporate communication plays an important role in projecting the image of the Company and sustaining it by using various mediums of communication. Periodically, the achievements of NPCIL were highlighted through print and electronic media throughout the country.

The Company carried out various communication activities for the dissemination of authentic information on nuclear power to different target groups on regular basis. NPCIL has adopted a strategy of communication through which all possible modes of communication are being utilised to reach out to

mass populace. TV commercials, promos in digital cinema, radio jingles, single-sheet publications, advertisements, advertorials, exhibitions and lectures are some of them. For this, NPCIL has joined hands with more than 35 professional organisations that are specialised in mass communication and public awareness.

More than 60 press meets were organised across the country to provide information on nuclear power and radiation.

Similarly, a series of scientific meets on radiation and cancer exclusively for doctors are being organised all over the country to provide them the facts and figures of radiation and its non-linkage with nuclear power. 10 such meets have been organised and more than 1,000 doctors took active participation.

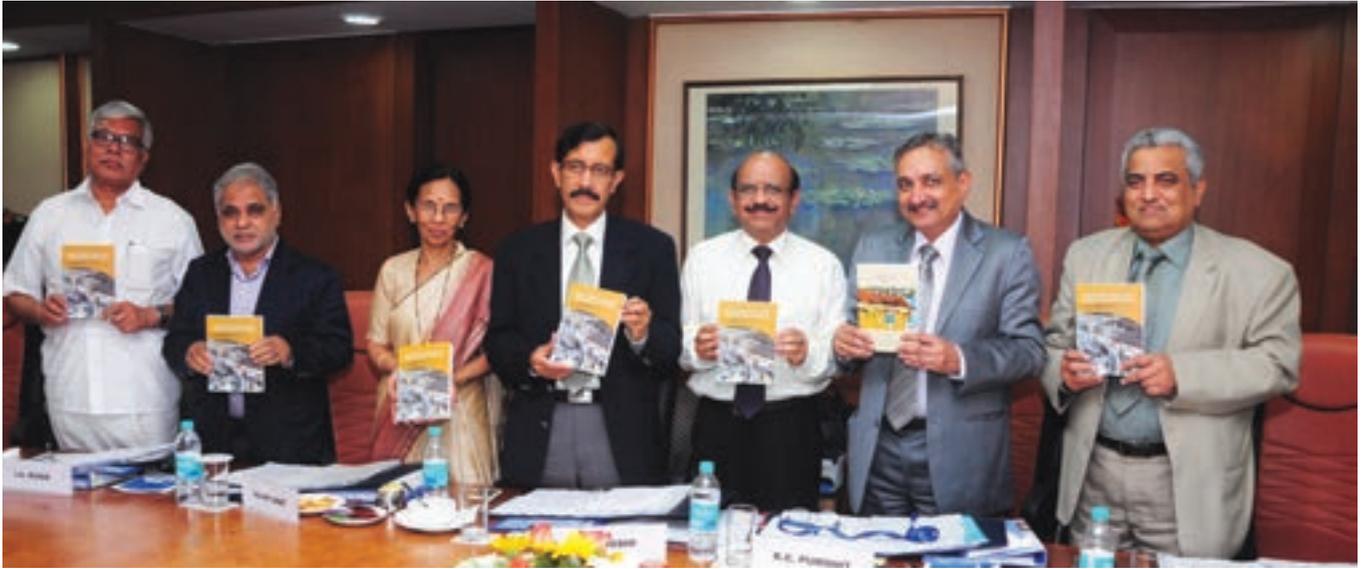
NPCIL has made a wide range of publications in 7 languages which are used for public awareness. The development of single-sheet pictorial pamphlets which address the apprehensions of public on various issues related to nuclear power is noteworthy. During the year under report, around 7.5 lacs single sheets have been distributed to the masses. Nu-Power – an international journal of nuclear power is being published by the Company half-yearly. The Company provided financial assistance to several institutions and events.

NPCIL organised exhibitions as a platform to directly communicate with the public, industry experts and students, etc. about nuclear power. The Company set up pavilions in local, national and international level exhibitions to showcase its technical capabilities during the year. Some of the notable participations during the year were 100th Indian Science Congress, UBM exhibition, Global Konkan, IIT Techfest and Science Festival 2013.

The Company has also taken up structured programmes on Public Awareness on nuclear power. It organises visits of students to Hall of Nuclear Power, Mumbai to popularise nuclear power among students community. During the FY 2012-13, over 12 lacs visitors were imparted awareness on Nuclear Power.

Sites of NPCIL are organising visits of students/villagers to NPPs to provide them firsthand information on nuclear power. Briefing of policy makers, opinion leaders, villagers and general public is also a part of Public Awareness activities that NPCIL perform.

Apart from the regular Public Awareness programmes, the Company launched several innovative initiatives like M-SAP



Release of Second edition of book on 'Preventive Vigilance-Works & Service Contracts' by Shri K.C. Purohit, CMD. Shri Sushil Chandra, CVO is also seen.

(Media Students Adaptation Programme) which provides information on nuclear power to the young journalists.

Vigilance

Vigilance Directorate works to sensitise and alerts the employees against malpractices and corruption to achieve organisational objectives. It also helps to implement such improvements by bringing more transparency to curb malpractices and irregularities. The Vigilance Directorate has taken a number of initiatives and adopted innovative methods in spreading awareness and imparting knowledge to employees. Some of the measures taken by the Vigilance are as under:

- The Second edition of book on 'Preventive Vigilance Works & Service Contracts' was published by the Vigilance Directorate and released in January, 2013. The book covers case studies, anomalies and guidelines. The contents of the book are based on the experience gained in investigations by NPCIL vigilance officers and Central Vigilance Commission from time to time.
- A number of system improvements with regard to monitoring of Publication of Tender details on the Central Public Procurement Portal (CPP), Monitoring of contracts awarded on Nomination basis, Proper maintenance of contract documents were suggested and implemented. Further, improvements have been suggested in 'Integrated Business Application' software, implementation of e-Works and procurement of medicines for hospitals.
- Vigilance Awareness Week with the theme of 'Transparency in Public Procurement' was observed in NPCIL Headquarters in Mumbai and all the Units located outside Mumbai, during the Week from 29th October to 3rd November 2012. A number of programmes viz. debate competitions, seminars, quiz competitions, etc. were organised during this period.
- A documentary Film '*Wahi Desh-Wahi Shakti*' was developed and produced by compiling the relevant materials. This was released during Vigilance Awareness week. The twelve minute documentary film brings out the golden achievement of ancient India and need to adopt high ethical standards to regain the lost glory.
- A Hindi Song on '*Phir Se Khushiya Layenge*' was specially written by Vigilance Directorate and got composed in a melodious tune to effectively spread the vigilance message to all employees. The musical song was released during Vigilance Awareness week. It was played in all the Units of NPCIL.
- To educate the employees, 11 Vigilance Awareness Seminars were organised at Headquarters and other Units. Outside experts & eminent speakers were also invited to address some of the seminars.
- 'CHETNA' Volume-11 – Annual edition of Vigilance Magazine was released on 29th October, 2012.
- On the recommendation of Vigilance, a three day training programme for prospective Inquiry Officers was organised from 20th to 22nd February 2013 by HR Directorate. The

course broadly covered topics related to procedure and guidelines for conducting Disciplinary Inquiries including those arising out of vigilance cases. It would help in early disposal of disciplinary cases.

- The CVO and other senior vigilance officers participated and delivered lectures in the training programmes on Works & Service Contracts organised by the Company at KGS and NAPS. A number of case studies were discussed and the participants were explained common anomalies and precautions/measures to be taken while dealing with the contracts.
- Eleven Vigilance Officers of Headquarters and Units were imparted short duration training in reputed institutes to increase their capability and skills.

The Right to Information Act, 2005

An elaborate mechanism exists with 7 Nos. of Assistant Public Information Officers, one at each site, one Central Public Information Officer and an Appellate Authority at Headquarters to deal with the requests received under the RTI Act.

The mandatory information required under the Act [section 4(1) (b)] has been posted on NPCIL website and the information was updated as required.

Presentations / lectures were organised in NPCIL for creating awareness about the importance and ways to implement the Act.

813 requests were received during the year 2012-13 under RTI Act, 2005, and out of which, 725 have been replied. 189 first appeals were disposed off.

Participation in International Activities

NPCIL is a member of various international organisations namely World Association of Nuclear Operators (WANO), Candu Owner's Group (COG), Institute of Nuclear Power Operations (INPO) and World Nuclear Association (WNA) and this year also it actively participated in various programmes of these organisations to enhance the safety and reliability of its nuclear power plants.

NPCIL also participates in various activities of International Atomic Energy Agency (IAEA) and Nuclear Energy Agency (NEA). It was involved in the preparation of National Report for submission to the Convention of Nuclear Safety for the second extraordinary meeting of contacting parties. It also participated in the IAEA PRIS meetings and contributed in strengthening its database. For the first time in the country, an IAEA – OSART (Operational Safety Review Team) mission

was conducted at RAPS-3&4 from 29th October to 15th November 2012. RAPS-3&4 was selected for this mission as it represented the proven design and consistent performance of 220 MW standard Indian PHWR reactors. During the course of an exhaustive interaction with plant personnel, field visits and document scrutiny, the team identified thirteen Good Practices and made seven recommendations and seven suggestions for achieving excellence in operational practices.

NPCIL is one of the founding members of WANO and is currently a member of two WANO regional centres at Tokyo and Moscow. All the nuclear power plants operating in over 30 countries are its members. Dr. S.K. Jain, former Chairman and Managing Director, NPCIL is the Chairman of WANO Tokyo Centre and is on the worldwide WANO governing board.

During the year WANO Peer Reviews of MAPS were carried out by teams consisting of experts from several countries representing global nuclear safety standards and sharing best international practices. A few months after the WANO Peer Review, a programme on "Stream Analysis" of the AFIs (Areas for Improvements) was carried out by WANO at MAPS. WANO organised six Technical Support Missions at our stations to enable them to achieve next higher level of safety and reliability; effective condition monitoring for predictive maintenance and catching equipment failure, outage management and planning, self assessment and corrective action, management of fire doors and fire barriers, human performance and senior nuclear plant management course. Several persons from NPCIL participated in important meetings, seminars and peer reviews organised by WANO and had the opportunity to discuss various issues related to improvements of plant performance with experts from other countries.

NPCIL hosted COG/IAEA Technical Committee Meeting in Mumbai followed by technical tour to TAPS-3&4. The meeting was attended by overseas participants from many PHWR operating countries (Canada, Republic of Korea and Romania) and from organisations like COG and IAEA. Theme of the TSM was "Exchange of Operating Experience of PHWRs".

NPCIL continued its participation in COG Weekly Screening meetings, which are held through audio conference.

NPCIL is also benefitted from the membership of WNA as it provides detailed worldwide reports on fuel availability, utilisation and forecast for future.

Directors' Responsibility Statement

As required under Section 217(2AA) of the Companies Act, 1956, the Directors confirm:

1. that in the preparation of the annual accounts, the applicable accounting standards have been followed, along with proper explanation relating to material departures;
2. that they have selected such accounting policies and applied them consistently and made judgments and estimates that are reasonable and prudent so as to give a true and fair view of the state of affairs of the Company at the end of the financial year and of the profit or loss of the Company for that period;
3. that they have taken proper and sufficient care for the maintenance of adequate accounting records, in accordance with the provisions of the Companies Act, 1956 for safeguarding the assets of the Company and for preventing and detecting fraud and other irregularities;
4. that they had prepared the annual accounts on a going concern basis.

Conservation of Energy/Technology Absorption/Foreign Exchange Earnings and Outgo

Particulars as required under Section 217(1) (e) of the Companies Act, 1956 read with the Companies (Disclosure of Particulars in the Report of the Board of Directors) Rules, 1988, are given in Annexure-A to this report.

Particulars of Employees

Pursuant to Section 217(2A) of the Companies Act, 1956 read with the Companies (Particulars of Employees) Rules, 1975 as amended, none of the employees of the Company were in receipt of remuneration in excess of limits prescribed under the said rules.

Management Discussion and Analysis

Annexed as Annexure-B to this report.

Corporate Governance

The Department of Public Enterprises (DPE) has laid down guidelines on Corporate Governance for CPSEs. The Department of Atomic Energy (DAE), the administrative ministry of NPCIL, has requested NPCIL to comply with the instructions.

The Board members and senior management have reaffirmed the compliance with the code of conduct.

A compliance report on Corporate Governance is given as Annexure-C.

The Company has obtained a certificate from M/s. Parikh & Associates, a firm of Practicing Company Secretaries regarding compliance of conditions of corporate governance as indicated in the DPE Guidelines. The Compliance Certificate is annexed to this report as Annexure-D.

Subsidiary Companies

The financial statements of subsidiary companies viz. Anushakti Vidhyut Nigam Limited, NPCIL-NALCO Power Company Limited and NPCIL-IndianOil Nuclear Energy Corporation Limited along with respective Auditors' Report and Directors' Report are placed elsewhere in this Annual Report.

Statement showing holding company's interest pursuant to Section 212 of the Companies Act, 1956 relating to subsidiary companies is enclosed as Annexure-E.

Statutory Auditors

The Statutory Auditors of your company are appointed by the Comptroller & Auditor General of India. M/s. Vyas & Vyas, Chartered Accountants, Mumbai were appointed as Statutory Auditors for the Financial Year 2012-13.

Cost Auditors

The Ministry of Corporate Affairs (MCA), Government of India has vide its order F.No.52/26/CAB-2010 dated 2nd May 2011 directed, *inter alia*, for commencement of Cost Audit of cost records of companies in Electricity Industry under Section 233B of the Companies Act, 1956. NPCIL, being covered in the criteria specified in the said Circular, required to get its cost audit records audited by a Cost Auditor from the FY 2011-12 onwards.

M/s. N.I. Mehta & Co., Cost Accountants, Mumbai were appointed as Cost Auditors for the Financial Year 2012-13 under Sec. 233B of the Companies Act, 1956. The Cost Audit Report for the FY 2012-13 will be filed with the MCA within the stipulated time. The Cost Audit Report for the FY 2011-12 was filed on 31st December 2012 within the stipulated time.

Observations of the Statutory Auditors

There is no observation of Statutory Auditors on the Financial Statements of the Company for FY 2012-13.

Comments of the Comptroller and Auditor General of India

The accounts for the year ended 31st March 2013 were reviewed by the Comptroller and Auditor General (C&AG) of India. Comments of the C&AG on annual accounts have been given as Annexure to the report.

Changes in the Board of Directors

- Dr. S.K. Jain superannuated on 31st May 2012 as Chairman and Managing Director, NPCIL.
- Shri S.A. Bhardwaj, Director (Technical), NPCIL was acting Chairman and Managing Director for a brief period from 1st June 2012 to 25th June 2012.
- Shri K.C. Purohit, Director (Projects), NPCIL assumed charge as Chairman and Managing Director w.e.f. 25th June 2012.
- Dr. Ratan Kumar Sinha, who has been appointed as Chairman, Atomic Energy Commission and Secretary, Department of Atomic Energy, has relinquished charge of the post of Director, BARC w.e.f. 19th June 2012 and consequently ceased to be Director of NPCIL.
- Dr. Arbind Prasad, Senior Adviser (Power & Energy), Planning Commission, who had been appointed as a part-time Director on the Board w.e.f. 17th June 2011, ceased to be Director as he relinquished the charge of post of Senior Adviser, Planning Commission upon acceptance of his voluntary retirement w.e.f. 9th April 2012.
- Shri Hemant G. Contractor, Managing Director & Group Executive (International Banking), State Bank of India, who had been appointed as part-time Director on the Board w.e.f. 26th September 2011, resigned from directorship of NPCIL w.e.f. 14th August 2012.
- Shri Sekhar Basu, Director, Bhabha Atomic Research Centre has been appointed as a part-time Director on the Board w.e.f. 8th October 2012.
- Shri I.A. Khan, Adviser (Energy), Planning Commission has been appointed as a Part-time Director on the Board w.e.f. 26th September 2012.
- Shri S.A. Bhardwaj, superannuated on 31st January 2013 as Director (Technical), NPCIL.
- Shri Rakesh Nath, Member (Technical), Appellate Tribunal for Electricity, who had been appointed as a part-time Director on the Board w.e.f. 26th April 2011, completed his term of office in Appellate Tribunal for Electricity and accordingly ceased to be Director w.e.f. 2nd March 2013.
- Dr. Nalini Bhat, Adviser (IA), Ministry of Environment & Forests (MoEF), was appointed as a part-time Director on NPCIL Board w.e.f. 15th July 2010. Dr. Nalini Bhat has retired from Government service on 30th April 2013 and consequently ceased to be a Director w.e.f. 30th April 2013.
- Shri A.P. Joshi, Special Secretary, DAE was appointed as a part-time Director on the NPCIL Board w.e.f. 11th December 2008. Consequent upon his appointment as Member (Finance), Atomic Energy Commission, Space Commission and Earth Commission, Shri Joshi ceased to be a Director on the NPCIL Board w.e.f. 30th April 2013.
- Dr. C.B.S. Venkataramana, Additional Secretary, DAE has been appointed as part-time Director on the Board of NPCIL w.e.f. 10th May 2013 vice Shri A.P. Joshi.
- Shri S.G. Ghadge has assumed charge as Director (Technical), NPCIL w.e.f. 1st July 2013.
- Shri R.K. Gargye has assumed charge as Director (Projects), NPCIL w.e.f. 1st July 2013.
- Dr. S.M. Jaamdar has been appointed as Non-official Independent Director on the Board of NPCIL w.e.f. 28th June 2013.

The Board welcomes appointment of Shri K.C. Purohit, Shri Sekhar Basu, Shri I.A. Khan, Dr. C.B.S. Venkataramana, Shri S.G. Ghadge, Shri R.K. Gargye and Dr. S.M. Jaamdar and places on record its sincere appreciation of the valuable services rendered by Dr. R.K. Sinha, Dr. S.K. Jain, Shri A.P. Joshi, Shri S.A. Bhardwaj, Shri Rakesh Nath, Dr. Arbind Prasad, Shri Hemant Contractor and Dr. Nalini Bhat during their association with the Company.

Appreciation

The Board would like to express its gratitude to the Department of Atomic Energy, Ministry of Power, Ministry of Programme Implementation & Statistics, Central Electricity Authority, Planning Commission, Ministry of Environment & Forests, other Ministries, Departments of the Government of India, State Governments for their

co-operation, banks, financial institutions and other investors who have continued to repose their confidence in the Company.

The Board would also like to place on record its appreciation of the services rendered by the auditors for their service and valuable advice.

The Board wishes to express its special appreciation of the hard work put in by each and every employee of the Company and the co-operation extended by the Employees' Union, Supervisors' and Officers' Associations.

For and on behalf of the Board of Directors

Sd/-

(K.C. Purohit)

Chairman & Managing Director

Place : Mumbai

Date : 5th July 2013.

Annexure 'A' to the Directors' Report

Information under section 217(1)(e) of the Companies Act, 1956 read with Companies (Disclosure of Particulars in the Report of the Board of Directors) Rules, 1988 and forming part of the Directors' Report for the year ended 31st March 2013.

CONSERVATION OF ENERGY

A. Energy Conservation measures taken:

Conservation of energy and optimisation of resources has been given high priority in all the operating Nuclear Power Stations of NPCIL. Head Quarter Instructions exists to guide all the stations to take necessary measures for the conservation of energy. The following measures were continued to be taken at operating power stations for the conservation of energy:

Energy Conservation Committees existing at each station met periodically to review the consumption of energy, resources and suggested various measures for energy conservation. During the year, following specific activities were undertaken by the stations for energy conservation and optimisation of resource consumption:

1. Energy audit of KGS-3&4 and RAPS-5&6 was carried out by external agency M/s. A2Z Group, Gurgaon and by M/s. ERDA, Vadodara respectively. The report of the energy audit and the recommendations are an important input to explore further energy conservation measures.
2. Energy conservation efforts were continued by all the stations. These included replacement of old conventional lamps by energy efficient lamps in a phased manner, continuous use of solar water heating systems in canteens, guest houses, switching off the air conditioning systems and lights in office areas when not in use.
3. Optimum operation of equipments was carried out at plants in especially in northern states taking advantage of seasonal temperature variations resulting in substantial saving of electrical energy.
4. Areas which are not occupied throughout the day were identified and provision of switching control was made in such a way that whenever area is unoccupied, lights can be switched off to conserve the energy.
5. In RAPS-2, a modification was carried out in reheater drain system during Biennial Shutdown which resulted in hot reheat temperature rise from 210°C to 220°C. Also several efforts put for improvement in condenser vacuum resulted in improvement in condenser vacuum by 8mmHg. The result of these jobs along with Station's continued effort for saving of energy and resources resulted in the gain of around ₹ 18.83 crore.
6. In RAPS-3&4, top reject low I.P. heavy water of upgrading plant was recycled by using it in deuteration of IX instead of DM water which resulted in reduction of 7 Te of downgraded heavy water. Also 95 Nos. of 60W incandescent lamps inside control panels of RAPS-3 control equipment room were replaced by 11W rating CFL lamps. Further it is planned to install solar lights in control building and LED lights in the identified areas of the plant.
7. In TAPS-1&2, Installation and commissioning of newly procured VFD (AC drives) for no load testing of motors in new mock up hall was done. It is planned to procure 10 KWp off grid solar PV plant and LED type lighting fixture for supplying the critical loads and emergency lighting in plant areas.
8. At NAPS, in the offices, Personal Computers' 35 old monitors of high wattage were replaced with low wattage TFT monitors and 50 CPUs of 200W were replaced with 65W CPUs. In addition 500 no. existing conventional fan regulators were replaced with Electronic regulators in residential buildings. Further installation of solar lights in control room, control equipment room, supplementary control room and DG room and solar street lights is planned.
9. At KGS-3&4 Canteen, solar water heater was made operable. Six numbers stand alone solar powered 50 W LED type pole mounted lamps were installed as street light inside the operating island and nearby electrical street lights were switched off for energy conservation.
10. All the stations continued their efforts towards saving of energy by optimisation of running loads, replacement of old equipments with new energy efficient equipments, replacement of high energy

tube lights/incandescent lamps with CFLs/LED lights, procurement of solar lamps in critical areas, use of solar water heating systems, solar switches, use of electronic instruments and continuous monitoring of process systems and taking corrective actions so as to minimise the energy loss.

11. Continuous trend monitoring of heavy water and light water collections during reactor operation has helped stations in taking appropriate remedial measures resulting in reduction in consumption of energy.
12. 14th December was celebrated as National Energy Conservation Day in NPCIL stations to create awareness towards energy conservation among officers, employees and also their families. Various programs were arranged at stations.

B. Additional investments and proposals for reduction of consumption of energy:

In NPCIL stations use of solar energy has been initiated. Solar heaters in plant canteen, guest house and solar lights at appropriate plant areas and township are installed and further installation of solar lights/solar street lights is planned. Energy Saving lamps are being replaced in place of conventional lighting fixtures in almost all the stations in a phased manner. LP gas is being used in plant canteens and conventional electric heaters have been phased out.

All the stations have set targets of their own for next fiscal to bring down energy consumption in terms of reduction in auxiliary consumption, replacement of old equipments with energy efficient ones, replacement of lighting fixtures with energy efficient lamps/LED, replacement of conventional fan regulators with electronic regulators, installation of solar powered lamps and reduction in consumption of consumables.

C. Impact of measures at A and B above for reduction of energy consumption:

Various measures taken by the Stations for conservation of energy resulted in substantial energy savings. There has been a substantial reduction in the consumption of heavy water, industrial gases and high speed diesel, etc. over the previous year.

FOREIGN EXCHANGE USED / EARNED

(₹ in crore)

Particulars	2012-13	2011-12
1. Foreign Exchange Outgo		
a) Value of Import based on CIF basis	329	512
b) Expenditure		
- Project Related Payments	260	120
- Others	9	5
2. Foreign Exchange Earned	-	-

FORM-B

A. RESEARCH & DEVELOPMENT/TECHNOLOGY DEVELOPMENT

1. Specific areas in which R&D-ES/TD is carried out:

R&D-ES/TD activities in the Company are focused on (i) setting up R&D facilities for carrying out performance testing and verification of new designs of systems and components for NPPs, environmental qualification of components and validation of safety studies codes, (ii) indigenisation of hitherto imported equipment, components and materials, (iii) developing/deploying remote tools for inspection, repair and refurbishment of reactor core components and primary system equipment, (iv) development/deployment of latest available technology for construction time minimisation of new projects. These activities are aimed at achieving continual enhancement of nuclear and radiation safety, reliable operation and reduction in operational costs of Nuclear Power Plants, indigenisation, construction time reduction and development of New Reactor Systems.

Regarding the R&D-Electronic Systems (R&D-ES), the in-house design and development efforts are concentrated towards electronics and computer based controls and instrumentation systems for 700 MW projects. The efforts are mostly application-oriented design and development specifically addressing the Control and Instrumentation (C&I) requirements emanating from power plants under construction and from operating stations to support the existing C&I electronics systems. Establishment and maintenance of in-house R&D-ES laboratories is the foremost activity, which facilitates further development of system software. The other important



Fuelling Machine Test Carriage of FM Test Facility undergoing Load Test

specific areas of development in R&D-ES are design and development of hardware modules for hardwired safety systems and computer based safety related and other systems, human machine interface software, generic embedded system software, computer based C&I systems software, interaction with academic and research institutions to identify future needs for modernisation of C&I, etc. Up-gradation of Computer based systems in Operating Stations by in-house developed systems are undertaken in such a way that the Upgrades are identical across 8 plants in KGS-1 to 4 and RAPS- 3 to 6 and the new systems use technologies identical to similar systems in latest plants. Up-gradation is primarily done to resolve the obsolescence concern of electronic items, to address all operational issues, to implement new features and render easy operation and maintenance, to lessen the software maintenance efforts and configuration management.

2. Benefits derived as a result of the above R&D/TD:

- (i) TD Group: During the financial year 2012-13, the following significant progress has been achieved by Technology Development group:

Test Facilities

- The validation of design through Containment Spray System (CSS) on full scale model at KAPP-3&4 has been completed. A scaled model for Passive Decay Heat Removal System (PDHRS) at Research & Development Centre,



Newly constructed Integrated Thermal Hydraulic Test Facility (ITTF) on the left alongside R&D Shed at NPCIL Corporate R&D Centre, Tarapur

Tarapur Maharashtra Site has been established and tests are completed. Further tests in PDHRS are planned in NPCIL Thermal-Hydraulic Test Facility (NTTF).

- Integrated Test Facility Tarapur (ITTF) is in advanced stage of erection.
- Several tests on 2% H₂ injection have been carried out with indigenous Passive Catalytic Recombiner device (PCRDs) developed by BARC which was installed inside the Hydrogen Recombiner Test Facility (HRTF) vessel. These tests have shown that PCRD assemblies are effective in recombining the hydrogen under dry conditions. Further tests in steam environment are planned.
- The Fuelling Machine Test Facility (FMTF) for 700 MW units is under advanced stage of execution.
- Significant numbers of Environmental Qualification (EQ) tests have been carried out utilizing the Loss of Coolant Accident (LOCA) chamber facility.
- Design on Containment Filtration Venting System is being finalised after initial tests at IIT-Bangalore.

Indigenisation

- Several types of Modular Electrical Penetration Assemblies (EPAs) with greater leak-tightness

have been successfully developed and are undergoing qualification tests.

- Order has been placed for development of Steam Generator Forgings.
- Indigenous vendor capability evaluation for development of critical components of Primary Coolant Pumps (PCPs) with adequate quality assurance has been carried out and prima facie feasibility established.
- Design and fabrication of 3-Pitch Platinum Clad Inconel Self Powered Neutron Detectors (SPNDs) completed and delivered for installation in TAPS-3 during Biennial Shut Down (BSD).
- Productionisation phase of SPNDs has been established.
- Design of Cobalt Absorber Rods (Co AR) assembly completed and all Co AR elements for dummy bundles made. Fabrication in line with modified Co AR bundle design is in progress at NFC. Some fuel handling components like Aluminum Bronze bar, round way and water lubricated bearings are under development.
- Indigenisation of some C&I devices / equipment have been taken up.
- Development of BF-3 Counters completed.
- Electronic Transmitters for nuclear application have been developed by two vendors and functional tests and radiation qualification upto 1.4 MRad has been successful. Further type tests have been taken up.
- Design for Travelling In-core Probe (TIP) drive, Pressure Regulating Valves (PRVs) and SS-tube fittings are currently underway.

Remote Tooling

- BARCIS campaigns have been carried out in RAPS/KGS and training and mockup qualification completed for TAPS-3.
- Development of FMTC for AHWR made jointly with BARC.
- Fuelling Machine Test Carriage and coolant channel support structure fabrication for 700 MW fuelling test facility is in advanced stage.

- Towards achieving longer trouble free life Steam Generators (SGs) lancing have been carried out by remote tools.
- TAPS-1&2 Reactor Pressure Vessel (RPV) weld inspection has been successfully carried out by Ultrasonic Testing.
- Remote Operated Trolley designed and under manufacturing for TAPS-1&2 RPV inspection from outside the vessel.
- Techniques for Mechanical and Laser cutting of triangular block to enhance creep provision for coolant channel has been trial tested towards field qualification.
- Development completed for 5 axis master slave manipulator for retrieval of fallen active material and manipulator for SPND removal from Carrier Tube Assembly along with DRHR, BARC.

Construction Time Minimisation

- Preformed Ring Liner (PRL) is being taken at KAPP-3&4 based on relevant design studies. Auto welding for prefabrication and field joints of Primary Main Piping and Steam Lines is being evaluated towards its adoption by piping contractors in the future projects.
 - Several other ideas for modular construction are under active consideration.
- (ii) R&D-ES: The significant progress made by R&D-ES Group during the year under report is as follows:

A. Renovation and Modernisation Work for Operating Stations:

- Modernisation of Channel Temperature Monitoring system in RAPS-2.
- Up-gradation of Computerised Operator Information System in RAPS-3, KGS-1, KGS-2 and KAPS-2, Programmable Digital Comparator System for safety function in KAPS-2, latest SW in RADAS in KAPS-2, KGS-1, KGS-2, RAPS-3&4, RAPS-5&6; ETF in KGS-3; DCHS-PCS in RAPS-3, RAPS-5, RAPS-6; RPDS and Gateway in KGS-2.

- Symptom Based Intervention Guidelines Management System (SIGMAS) in KGS-1, KGS-2 and RAPS-4.
- Completion of model based software development using SCADE tool for upgrading TAPS-3&4 Reactor Regulating System.

B. Development of Hardware Modules for 700 MW Digital I&C Systems:

- Development/ Qualification testing of Hardware modules for 700 MW Digital I&C Systems was the prime jobs, based on which prototype systems were designed and procured.
- Development / Qualification testing of three types of alarm modules for 700 MW Safety systems.
- Establishment of 700 MW Laboratories with all prototype systems and Hardware/ Software Tools required for software development.

C. Development of Radiation Monitoring and Leak Detection I&C Systems:

In-house development activities such as Smart Radiation Monitors, proportional counter based Portal Monitoring System (PMS), on-line Multi Channel Analyser based Stack Monitoring System, completed and the prototypes have been installed in various sites and been tested in the field condition. Modifications have been carried out in some cases.

Expenditure on R&D/TD:

a. Capital	₹ 32 crore
b. Recurring	₹ 7 crore
c. TOTAL	₹ 39 crore
d. Total Expenditure as % of total turnover	0.49%

B. TECHNOLOGY ABSORPTION, ADAPTATION & INNOVATION

Company's self-reliance in the areas of design, construction, commissioning and operation of Pressurised Heavy Water Reactors (PHWRs) is near total. Continued efforts are made to upgrade and update the Company's knowledge-base and to adapt and absorb new technologies that are being evolved. Boiling Water Reactors (BWRs) are also operated by the Company meeting international standards on both safety and performance. Assimilation of technology with respect to the construction of Pressurised Water

Reactors (PWRs) is also underway. Innovative "First of a Kind" features are detail engineered and incorporated in the 700 MW design. Some of these are now physically available for the under construction units viz. KAPP-3&4. Several hitherto imported equipment/components have been indigenised and these are being performance tested/productionised. Significant Environmental Qualification activities are taken up. Post Fukushima related modification experimentation/development works have been taken up.

The role of R&D-Electronics Systems Group is redefined to put greater thrust on development of all safety, safety related C&I Systems with the goals of higher reliability, availability and cost reduction and meeting requirements of AERB, indigenisation of radiation monitoring and leak detection instruments and providing prompt solutions and long term support to sites. The Company will achieve the status at par with the international nuclear power plant operators for "event handling" by using SIGMAS as part of plant system. Realisation of self dependence, measures for security and safety issues are the results of in-house development of state-of-the-art hardware modules for computer based systems and system software.

Annexure 'B' to the Directors' Report

MANAGEMENT DISCUSSION AND ANALYSIS

Economic Environment

The growth of India's Gross Domestic Product (GDP) moderated to 5.0% in FY 2012-13 as compared to 6.2% in FY 2011-12. The moderation in growth is primarily attributable to weakness in industry which registered a growth of only 3.5% and 3.1% in 2011-12 and 2012-13 respectively and overall deceleration in investments. The growth rate of services sector declined from 8.2% in 2011-12 to 6.6% in 2012-13.

(Source: Economy Survey 2012-13)

Power Sector Scenario of the country

The total installed capacity in the country as on 31st March 2013 is 223343.60 MW. It is represented by following fuel mix:

Fuel	Total Capacity (MW)	% Share
Thermal (Coal/Gas/Diesel)	151530.49	67.84
Hydro (Renewable)	39491.40	17.68
Nuclear	4780.00	2.14
Renewable Energy Sources (RES)	27541.71	12.34
TOTAL	223343.60	100.00

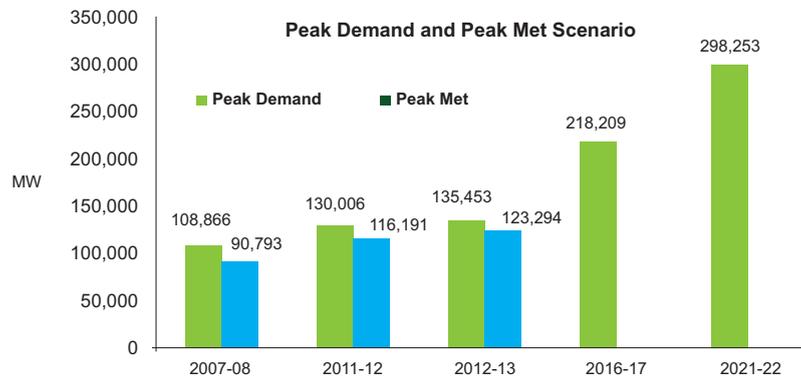
(Source: CEA – Monthly Review of Power Sector Reports for the month of March 2013)

Though India is one of the largest energy producers of the world, it has very low per capita consumption of electricity at about one third of the world average. The per capita consumption of electricity in 2011-12 increased to 879 kWh (provisional) compared to 819 kWh in 2010-11.

The total electricity generation in the country during 2012-13 is 911.65 BUs (including Bhutan import) compared to 876.89 BUs over the last year registering a growth of around 3.96%. The electricity generation from nuclear power contributed about 3.6% of total generation in the country in 2012-13.

(Source: CEA)

With growing Indian economy, electricity demand in the country is also increasing rapidly. The peak demand in the country jumped from 108866 MW in the first year of XI Five Year Plan to 130006 MW in the last year (2011-12) of the Plan, registering an increase of 19% during the four years. The peak demand in the first year of XII Plan was 135453 MW out of which only 123294 MW could be met, registering peak deficit of 9%. As per 17th Electric Power Survey of India report, peak demand is projected to reach 218209 MW and 298253 MW by the end of XII Plan and XIII Plan respectively. Also, a large portion the Indian population is not connected to any grid. Thus, power capacity addition needs to be accelerated to meet the increasing demand. The Eleventh Plan added 55,000 MW of generation capacity which, though short of the target, was more than twice the capacity added in the Tenth Plan. The Twelfth Plan aims to add another 88,000 MW. Along with this, energy security and environmental concerns are other key areas to be addressed.



Note: 2007-08, 2011-12 and 2012-13 data are actual data and source of data is CEA web data. Data for the years 2016-17 and 2021-22 are projections as per 17th Electric Power Survey of India report.

To meet the increasing energy requirements, the Integrated Policy (2006) of India projects the need for an installed capacity of about 800 GW by the year 2032 for a growth rate of 8%, of which share of nuclear power is envisaged about 63 GW by the year 2032 representing around 8% of the total installed capacity of the country by then.

Role of Nuclear Power and Potential in India

India's nuclear power programme comprises of three stages essentially to utilise modest uranium and large thorium reserves in the country for electricity generation. The first stage is based on Pressurised Heavy Water Reactors (PHWRs), using natural uranium as fuel. This stage generates electricity and produces plutonium, a significant component of fuel for second stage of Fast Breeder Reactors (FBRs); which generates more plutonium and an isotope of uranium from thorium used as blanket with plutonium-uranium fuel. In the third stage, advanced power reactors, based on uranium-thorium cycle are envisaged for deployment.

Continuing support to Indian three stage programme is necessary to exploit fully India's nuclear potential to ensure long term energy security. The Planning Commission of India has identified the central objective of the XII Five Year Plan (2012-17) as faster, more inclusive and sustainable growth.

During the XII Plan, eight new projects with cumulative capacity of 16100 MW have been proposed for launch. These comprise of four projects (5600 MW) of twin units of 700 MW indigenous PHWRs and four LWR projects (10500 MW) of twin units of 1,000 MW or higher unit sizes based on international cooperation.

The details of the new projects are:

Location	Reactor Type	Capacity (MW)
PROJECTS PROPOSED FOR LAUNCH IN XII FIVE YEAR PLAN		
Gorakhpur, Haryana Unit-1&2	Indigenous PHWRs	2 x 700
Chutka, Madhya Pradesh Unit-1&2		2 x 700
Mahi Banswara, Rajasthan Unit-1&2		2 x 700
Kaiga-5&6, Karnataka		2 x 700
Kudankulam-3&4, Tamil Nadu	LWRs	2 x 1,000
Jaitapur-1&2, Maharashtra	based on	2 x 1650
Mithi Virdi Unit-1&2, Gujarat	international	2 x 1100
Kovvada Unit-1&2, Andhra Pradesh	co-operation	2 x 1500

Launches of PHWRs are subject to completion of land acquisition, availability of statutory clearances and administrative and financial sanction of the Government. The actual start of construction on new LWRs with international cooperation will depend, in addition, on successful evolution of cost-effective business models / technical and commercial offers and completion of required national and international pre-requisites. Administrative and Financial sanction for KKNPP-3&4 was received on 22nd March 2013. The First Pour of Concrete (FPC) which signifies zero date of start of construction is envisaged in June 2014.

Nuclear Power – Safe and Environmentally Benign

Nuclear power is a clean, environmentally benign, devoid of GHG emissions and economically viable source of power generation. During nuclear power generation, a small quantity of radioactive waste is generated which is treated, immobilised in glass/cement matrix and safely stored, thus not affecting the environment and public.

Nuclear power in the country has demonstrated about 375 reactor years of safe operations (till 31st March 2013). Several reactors have recorded more than a year of continuous operation and overall Availability Factors of reactors is being maintained high at about 90%. The safety record of Indian NPPs over 43 chronicle years of operation has been impeccable. IAEA Operational Safety Review Team (OSART), after its review of RAPS-3&4 (2 x 220 MW), at Rawatbhata Site in Rajasthan found that safety and safety culture at this Indian nuclear power station are excellent and several good practices; worth emulating by other nuclear power plants across the world.

Outlook

Nuclear power is safe, economically viable and environmentally benign source of energy. It can provide long term energy security to the country in a sustainable manner. With these merits, coupled with growing power demand in the country, the outlook is very bright. However, the public apprehension about nuclear power post Fukushima has generated a new challenge for the growth of nuclear power. Authentic information about safety features of NPPs and radiation aspect are being provided to various sections of society through enhanced outreach programmes to meet these challenges.

Public Outreach

The Fukushima, Japan accident, consequent to earthquake and ensuing tsunami, in March 2011, generated some apprehensions among certain sections of the society about the safety of nuclear power plants. In view of this, NPCIL scaled up its existing public outreach programme, comprising of CSR and neighbourhood development activities around its sites and an enhanced public awareness programme to allay the apprehensions of public about safety of nuclear power and related issues in a credible manner.

Company Overview

Role of NPCIL

With the formation of Nuclear Power Corporation of India Limited in 1987 as a Central Public Sector Enterprise under the aegis

of Department of Atomic Energy in India, the nuclear power generation moved to the commercial domain. The Company is operating the atomic power stations and implementing the atomic power projects for generation of electricity in pursuance of the schemes and programmes of the Government of India.

NPCIL has attained maturity in implementation of the first stage of three stage nuclear power programme, with comprehensive capacity in the various facets of nuclear technology viz. siting, design, construction, commissioning, operation & maintenance, upgradation and life extension of nuclear power plants.

Generation Performance

Given the mandate of expanding the nuclear power base within the country, as per the plans and schemes of the Government of India, NPCIL owns and operates a fleet of 19 nuclear power reactors, in addition to the management of Rajasthan Atomic Power Station Unit-1 (100 MW) on behalf of DAE. The weighted average availability factor of operating stations clocked in the year 2012-13 was 90%.

The year 2012-13 recorded the highest nuclear power generation since the inception of the Company. The generation and capacity factor (Plant Load Factor) during the year under report are 32863 MU and 80% respectively as against 32451 MU and 79% respectively in the last year.

So far continuous run of more than a year has been recorded by ten reactors namely KAPS-1 (414 days), RAPS-4 (394 days), RAPS-3 (404 days), KAPS-2 (407 days), NAPS-2 (371 days), MAPS-2 (432 days), KGS-1 (487 days), KGS-2 (529 days), TAPS-2 (590 days) and TAPS-3 (522 days). Of these, three reactors viz. KAPS-1, RAPS-4 and KGS-2 have registered this feat twice.

Progress of Ongoing Projects

KKNPP-1&2 (2 x 1000 MW LWRs)

KKNPP-1&2 units are at an advanced stage of commissioning. During the year, an important milestone i.e. completion of fuel loading in Unit-1 was followed by various sub-criticality tests in Unit-1, which are in final stages. Units-1&2 are expected to commence operation in the year 2013-14.

KAPP-3&4 (2 x 700 MW PHWRs)

The construction activities of KAPP-3&4, pair of indigenous 700 MW PHWRs at Kakrapar, Gujarat continued with civil works taken up on all fronts. During the year, completion of construction of Calandria Vault in Unit-3 was achieved and Calandria was received at Site. Manufacturing of various equipment/components is in progress at various locations and

progressive delivery to site has commenced during the year. Mobilisation of various mechanical contractors was completed at site for taking up mechanical erection works. The project is slated for completion in the year 2016-17.

RAPP-7&8 (2 x 700 MW)

The construction work of RAPP-7&8 at Rawatbhata, Rajasthan, continued and completion of Nuclear Building raft (of first unit) was achieved during the year. Civil works on other main plant buildings commenced. Manufacturing of various equipment/components is in progress at various locations and progressive delivery to site has commenced during the year. The project is slated for completion by 2016-17.

Status on New Projects

In respect of KKNPP-3&4, administrative and financial sanction was received on 22nd March 2013. The environmental clearance from MoEF and siting consent from AERB has been obtained. Site is made ready for start of construction. Excavation clearance is under review by AERB.

As regards Jaitapur project JNPP-1&2, the land is acquired. The compensation for the land was enhanced and additional money was deposited with the Government of Maharashtra. Environment clearance and CRZ clearances are accorded by MoEF. Siting consent is currently under review by AERB. Techno-Commercial Offer submitted by AREVA is under negotiation.

Status of New Green Field Sites

The Government accorded 'in principle' approval in October 2009 for five new sites - Gorakhpur in Haryana and Chutka in Madhya Pradesh to locate indigenous 700 MW PHWRs and Kovvada in Andhra Pradesh, Chhaya Mithi Virdi in Gujarat and Haripur in West Bengal to locate LWRs based on international technical cooperation. Further, in July 2011, the Government accorded 'in principle' approval for three more inland sites for setting up 700 MW PHWRs - Mahi Banswara in Rajasthan, Bhimpur in Madhya Pradesh and Kaiga expansion in Karnataka.

The pre-project activities including Environmental Impact Assessment (EIA) studies for MoEF clearance, geo-technical investigation, land acquisition process, public awareness programmes and so on are at various stages of progress. In respect of Haryana Project, land has been acquired and site fencing work is in progress. The Public Hearing for MoEF clearance after completion of EIA studies was completed in July 2012. The studies for site evaluation report are in progress,

detailed project report and cost estimates are made ready and clearance of NPCIL Board has been obtained.

MoU Performance

Department of Public Enterprises awarded 'Excellent' MoU rating for the year 2011-12. The expected MoU rating for the year 2012-13 is also in 'Excellent' category.

SWOT Analysis

NPCIL possesses sound domain knowledge in all facets of Nuclear power – siting, design, construction, operation and waste management. It has registered about 375 reactor years of safe operational experience (till 31st March 2013). Comprehensive capability of industry in the country exists for manufacturing of exacting standard equipments. Qualified manpower is available to accelerate the growth of the Company. 'AAA' rating for NPCIL Bonds indicating safety is one of the strengths of the Company. However, limited manufacturing capability in the country for expanding nuclear power programme seems to be weakness. This is being taken care of by developing industries for supply-chain. International civil nuclear cooperation has provided opportunities for global nuclear commerce. Growing energy demand and global environmental concerns in managing the Carbon footprints has further necessitated the enhanced role of nuclear power. Land acquisition for new launches may pose challenges. Public apprehension about radiation and safety aspects of nuclear power is yet another challenge. These challenges are being met by innovative and enhanced outreach and CSR programmes.

Human Resource Management

Human Resource plays a vital role in building a good team of working professionals. NPCIL has strong and dedicated workforce of 11581 employees consisting of 3511 Engineers and Scientists, 5971 technicians and supervisors, 1637 non-technical executives and staff and 463 Auxiliary support staff who spearhead the activities of the organisation.

The group-wise staff strength consists of 4410 in Group A, 4812 in Group B and 2359 in Group C categories of employees.

It is a fact that to thrive in the chaotic and turbulent business environment, Organisation need to constantly innovate and be "ahead of the curve" in terms of business practices and strategies. All HR initiatives are directed towards fulfilling the NPCIL's mission and vision by attracting, motivating and retaining the right talent and intellect. While developing the strategic and incremental packages for employees, the

individual goals and aspirations were encouraged by way of training culminating in achievement of goals of NPCIL. During the year under report, 3416 mandays of training was imparted and 10 employees were sponsored for higher studies in technology and management.

Optimisation of manpower is an important strategy towards best utilisation of human resource. Accurate and comprehensive manpower optimisation models for Projects, Stations and Headquarters, including multi-Unit Sites are developed separately in NPCIL. Staffing has been done strictly in accordance with these models in NPCIL.

During the year, as a part of annual induction programme for inducting young talent to the Organisation, 207 trainee engineers were taken for NPCIL Batch 20, four direct recruits in Scientific categories and three posts in the non-technical categories (Group A&B) were filled through centralised recruitment process. In the career progression front, during the year, 326 employees in Scientific and Technical categories, 252 (239 executives and 13 non-executives) in non-technical categories were elevated to next higher grade.

NPCIL has been conferred with "Global HR Excellence Award for Talent Management" by 21st Edition of World HRD Congress on 17th February 2013. The award was hosted jointly by the Institute of Public Enterprises (IPE) & World HRD Congress (WHC). The global excellence awards are presented to individuals and organisations, which have surpassed levels of excellence and have set an example by being a role model and a leader in their respective fields.

NPCIL (High Performers Annual Award) Scheme

758 High Performers were felicitated under NPCIL (High Performers Annual Award) Scheme, 2007 for the year 2011 as under:

Life Time Achievement Award	01
Young Executive Award	46
Special Contribution Award	40
Excellence Award	09
Group Achievement *	612
Unit Recognition Award	50

* 40 Groups consisting of 612 employees.

Grievance Handling Procedure

A structured mechanism exists for redressal of grievances which is sensitive and attentive to employee grievances at all levels. Further grievances are now being heard and resolved

through online Grievance Redressal and Monitoring System (GRAMS).

Employee Relations

Harmonious Employee Relations prevailed in all the stations, Projects and Headquarters. Regular and structured meetings were held with the recognised Unions at Station/Project levels and with the Joint Consultative Council at the apex level to discuss and resolve the various employees' related issues. The harmonious employee relations are a result of sound and constructive participative approach adopted by Management in decision making in matters affecting the general welfare and service conditions and conflict resolutions based on mutual understanding, which resulted in increased production and productivity.

Achievement by Stations:

- (1) TAPS-1&2, MAPS, NAPS, KAPS, KGS-1&2 and KGS-3&4 qualified as Excellent Performing Stations during the year and a reward of ₹ 2,000/- was sanctioned to each employee of the above Stations.
- (2) Special reward of ₹ 5,000/- was earned by the employees of TAPS-3&4, a reward of ₹ 4,000/- was earned by KGS-1&2 and a reward of ₹ 3,000/- was earned by the employees of TAPS-1&2 and KGS-3&4 for longest continuous operation of NPCIL unit beyond 300 days.
- (3) Continuous run of Industrial Accident Free Period was achieved by TAPS-1&2, TAPS-3&4, RAPS-1&2, RAPS-3&4, RAPS-5&6, RAPP-7&8, MAPS, KAPS-1&2, KGS-1&2 and KGS-3&4 and the employees were given a memento.

Other Welfare Measures

NPCIL plays a role of philanthropic organisation while extending help to the surrounding population to include them in the growth of organisation. As a part of these activities, NPCIL relaxed age and percentage of marks while considering appointments of Project Affected People whose land is acquired for NPCIL Projects.

As a part of Silver Jubilee Year (1987-2012) celebrations, the Company introduced Special LTC Scheme for such employees who have given their dedicated service to NPCIL.

Financial Performance

Results of Operations

(Statement of Profit and Loss Analysis)

Total Income

The total income comprises of income from sale of electricity, consultancy services and interest earned on investments of temporary surplus in term deposits with banks and bonds. The total income for FY 2012-13 is ₹ 8,638 crore as against ₹ 8,709 crore in the previous year.

Sale of Electricity

The Company's bulk customers are electricity utilities mostly owned/controlled by State Governments and Union Territories. Revenue on sale of electrical energy is recognised net of levies. Income from sale of electricity for the FY 2012-13 is ₹ 7,962 crore which constituted 92% of the total income. In FY 2012-13 and FY 2011-12, there were few extraordinary items included. If those items are excluded, then the increase in revenue from sale of electrical energy works out to ₹ 428 crore and in terms of percentage 5.70%. The detailed working is as follows:

(₹ in Crore)

Particulars	2012-13	2011-12	Increase (₹)	Increase (%)
Sale of Electricity	7,962	7,914		
Less :				
Impact on Tariff revision July 2010 to March 2011		140		
Impact of Heavy Water Lease Charges revision April 2003 to March 2011		265		
Impact of RLDC Charges April 2009 to March 2012	25	-		
Recasted Sale of Electricity	7,937	7,509	428	5.70%

The income from sale of electricity has increased by 5.70% over the previous year. The increase in sale of electricity is on account of increase in level of operation especially in stations where tariff is higher and increase in fuel prices resulting in increase in tariff rate. Electricity generation in FY 2012-13 has been 32863 MUs as against 32451 MUs in previous year. It is noteworthy that the current year 2012-13 recorded the highest electricity generation since the formation of the Company.

The average tariff of NPCIL stations was ₹ 2.69/kWh for FY 2012-13 as against ₹ 2.58/kWh for FY 2011-12.

Other Income

The Company's other income in the FY 2012-13 is ₹ 676 crore as compared to ₹ 795 crore in the previous year, thus showing a decrease of ₹ 119 crore. However, other income for the FY 2011-12 included interest on income tax refund of ₹ 67 crore. If, this item is excluded, the decrease is ₹ 52 crore (i.e. ₹ 119 crore – ₹ 67 crore) indicating a decrease of 7%. The decrease in other income is on account of (a) redemption of Bonds / Term Loans through internal surplus resulting in decrease in interest income, (b) deferment of borrowings on account of prevailing high interest rates for Term Loan and deployment of internal surplus throughout the year for project requirements and (c) decision to borrow on actual requirement basis at the year end, when the interest rates are favourable.

Total Expenditure

Total expenditure of the Company consisting of Operating & Maintenance Expenditure, Finance Costs and Depreciation is ₹ 6,020 crore for the FY 2012-13 as against ₹ 6,314 crore in the previous year thereby registering a decrease of ₹ 294 crore.

Expenditure related to Operations

The expenditure incurred on Fuel & Heavy Water Charges, Operation & Maintenance Expenses, Employee Benefits Expenses and Administration & Other Expenses for the FY 2012-13 is ₹ 4,501 crore on these heads, which is around 4% less than the expenditure of ₹ 4,681 crore incurred during the previous year. The Fuel Charges and Heavy Water Charges for the FY 2012-13 are ₹ 1,914 crore and ₹ 717 crore as against ₹ 1,848 crore and ₹ 1,031 crore respectively for the previous year. The increase in Fuel Charges is mainly on account of increase in electricity generation and increase in fuel price. During the previous year, ₹ 330 crore has been accounted on account of revision of pool price of heavy water by the Heavy Water Board (GoI) for the period from 1st April 2003 to 31st March 2011. If this additional amount is excluded, then the previous year Heavy Water Charges become ₹ 701 crore and the increase of ₹ 16 crore (₹ 717 crore - ₹ 701 crore) for the FY 2012-13 is on account of increase in Heavy Water price. The Operation & Maintenance expenses are ₹ 620 crore as against ₹ 614 crore for the previous year. The Employee Benefits Expenses are ₹ 995 crore as against ₹ 916 crore for the previous year and showing an increase of 9%. The Administration & Other Expenses are ₹ 255 crore as against

₹ 272 crore for the previous year and showing decrease of 6%. The increase in Operation & Maintenance Expenses is mainly on account of increase in level of operations. However, the increase in Employee Benefits Expenses is due to annual increment and higher dearness allowance.

Interest Charges

Interest charges (excluding interest during construction period) consist of interest amount on long term borrowings. Interest charges stand at ₹ 556 crore for the FY 2012-13 as compared to ₹ 672 crore in the previous year. The decrease in interest charges is on account of redemption of Bonds / Term Loans.

Depreciation

As per the accounting policy of the Company, depreciation is provided on straight line method on the capitalised cost at the rates specified in Schedule XIV of the Companies Act, 1956 to the extent of 95% except for computers and peripherals where depreciation is charged @ 19% and for software where depreciation is charged @ 20%. Cost of computers and peripherals are depreciated on straight line method over a period of 5 years to the extent of 95% and software to the extent of cent percent. The depreciation charges are ₹ 963 crore in FY 2012-13 as compared to ₹ 961 crore in the previous year.

Profit before Tax, Provisions and Prior Period Adjustments

The profit of the Company before tax provisions and prior period adjustments for the FY 2012-13 is ₹ 2,618 crore as compared to ₹ 2,395 crore in the previous year and showing an increase of 9%.

Prior Period Adjustments

Prior period items are incomes or expenses which arise in the current period as a result of 'errors' or 'omissions' in the financial statements prepared in earlier years. Effects of changes in estimates are not treated as omission or error. For the FY 2012-13, prior period adjustments amount to ₹ 3 crore.

Provision for Taxation

An amount of ₹ 514 crore has been provided towards current Income tax under Minimum Alternate Tax provisions and deferred tax.

Profit after Tax

In spite of the factors affecting operational revenue, the Company has earned a Profit After Tax of ₹ 2,101 crore during

FY 2012-13 as compared to ₹ 1,906 crore in the previous year and showing an increase of 10%. The increase in profit is due to higher capacity utilisation resulting in increased generation of electricity and decrease in finance cost.

Financial Position

(Balance Sheet Analysis)

Net Worth

The net worth of the Company at the end of FY 2012-13 increased to ₹ 24,800 crore from ₹ 23,434 crore at the end of FY 2011-12, thereby registering an increase of 6% mainly due to increase in retained earnings. Correspondingly, the Book Value per share also increased to ₹ 2,438 from ₹ 2,306.

Loan Funds

The loans including the current maturities payable within a period of 12 months from the Balance Sheet date as on 31st March 2013 is ₹ 16,769 crore in comparison to ₹ 15,467 crore as on 31st March 2012, thereby registering an increase of 8%. Summary of the loans outstanding is given below:

(₹ in Crore)

Details	As on 31 st March 2013	As on 31 st March 2012
Secured Loans		
Bonds	4,219	2,799
Term Loans from Banks	5,786	6,186
SUB-TOTAL	10,005	8,985
Unsecured Loans		
Loans from Government of India	5,394	5,580
External Commercial Borrowings	1,370	902
SUB-TOTAL	6,764	6,482
TOTAL	16,769	15,467

During the year, the Company has raised ₹ 1,500 crore through Non-Convertible Bonds (NCBs) by way of private placement at the interest rate of 8.54% (₹ 378 crore) and 8.56% (₹ 1,122 crore). The fund mobilised through this issue was utilised for capital expenditure of on-going projects and to maintain the approved Debt - Equity Ratio of on-going projects. This is cheaper than the cheapest G-Sec rate of 8.75% in the FY 2012-13.

The Company has redeemed Bonds amounting to ₹ 80 crore during the year as per the terms of their issue. The Company has also repaid term loan of ₹ 400 crore during the year as per the terms of the said loan.

During the year 2012-13, the Company has repaid ₹ 590 crore to the Department of Atomic Energy, Government of India, as per the Inter Governmental Agreement towards the loan (Russian Credit) availed from the former. The final balance of Unsecured Loan on account of Russian Credit as on 31st March 2013 is ₹ 5,394 crore including the exchange rate variation.

DAE loan (Russian Credit) represents funds provided by DAE to NPCIL on account of credit extended by Government of Russian Federation to Government of India. The applicable rate of interest is 4% p.a. and exchange fluctuation on repayment of loan shall be borne by the Corporation. The loan was utilised to pay for supplies / erection / assistance in terms of various contracts entered into with M/s. Atomstroyexport for setting up two units of 1,000 MWe each at Kudankulam (KK). As per the repayment procedure, funds are deposited by the Corporation with Controller of Aid Accounts & Audit (CAA&A) / DAE for repayment of Russian Credit.

Fixed Assets

The Company's gross block as on 31st March 2013 increased to ₹ 21,715 crore from ₹ 21,447 crore as on 31st March 2012, representing a growth of 1%.

Capital Work in Progress

The Company's capital work in progress as on 31st March 2013 increased to ₹ 21,232 crore from ₹ 17,597 crore as on 31st March 2012, representing growth of 21%.

Investments

The investments consist mainly of power bonds and equity participation in joint venture, subsidiary companies and other company. The equity participation in joint venture consists of investment in M/s. L&T Special Steels & Heavy Forgings Pvt. Ltd. to produce special steels and ultra heavy forgings. The equity participation in subsidiary companies consists of investment in M/s. Anushakti Vidhyut Nigam Limited, M/s. NPCIL-Indian Oil Nuclear Energy Corporation Ltd. and M/s. NPCIL-NALCO Power Company Ltd. to establish nuclear power stations to generate electricity with nuclear fuel. The equity participation in other company consists of investment in Bharatiya Nabhiyaya Vidyut Nigam Ltd., a Public Sector Undertaking under the same administrative ministry. The Company has also invested in NPCIL Employees' Group Leave Encashment Scheme with LIC of India, SBI Life Insurance Co. Ltd. and ICICI Prudential Life Insurance Co. Ltd. and NPCIL Employees' Gratuity Schemes with LIC of India, SBI Life Insurance Co. Ltd. and ICICI Prudential Life Insurance Co. Ltd.

During the year, the Company has not made any non-trade investments.

Total investments including the current maturity due within a period of 12 months from the Balance Sheet date stood at ₹ 1,863 crore as on 31st March 2013 as against ₹ 2,392 crore as on 31st March 2012.

Working Capital

Current Assets after netting off current liability i.e. net working capital stood at ₹ 4,909 crore as on 31st March 2013 as against ₹ 5,802 crore as on 31st March 2012.

Credit Rating

The Company's Bonds have been accredited with a 'AAA' rating indicating highest safety from both CRISIL and CARE since FY 2001-02 onwards.

Risk Management

Enterprise Risk Management Policy has been formed and implemented for identification of key risk areas and formulate appropriate risk mitigation plans for taking corrective action in a time bound manner.

Internal Control System and their adequacy

The Company has adequate internal control system commensurate with the nature and size of business which meets the objectives of efficient use and safeguarding of resources, compliance with statutes, policies and procedures and maintaining accuracy of recording of transaction and reporting the same promptly. The scope of internal audit involves examination and evaluation of the adequacy and effectiveness of the system of internal accounting, system and procedures and other operational areas. Independent firms of Chartered Accountants who are appointed with the approval of the Audit Committee carry out the internal audit. The observations raised out of the audit are subject to periodic review and compliance monitoring by Audit Committee.

Financials at a Glance

The financial performance of NPCIL for the last 10 years along with the key financial ratios is summarised as "Financials at a Glance".

FINANCIALS AT A GLANCE*

Particulars	2012-13	2011-12	2010-11
For the year			
Revenue and Other Income	8,638	8,709	6,886
TOTAL EXPENDITURE	4,501	4,681	3,670
Interest	556	672	661
Depreciation	963	961	868
Profit for the year	2,618	2,395	1,687
Profit before Tax	2,615	2,382	1,686
Profit after Tax	2,101	1,906	1,376
Dividend	630	572	413
At the end of year			
Gross Block	21,715	21,447	21,337
Net Block	12,072	12,791	13,658
Total Fixed Assets including CWIP	33,305	30,388	28,562
Investments	1,691	1,994	1,994
Other Non Current Asset	3,050	2,316	1,461
Current Assets	8,377	8,929	12,802
TOTAL ASSETS	46,423	43,627	44,819
Inventories	485	452	393
Sundry Debtors	1,973	2,235	1,144
Net Current Assets	4,908	5,802	6,355
Share Capital	10,174	10,174	10,145
Revenue Reserves	14,626	13,260	12,017
Net Worth	24,800	23,434	22,162
Capital Reserve and Other Fund	2,130	1,994	1,822
Long Term Borrowings	15,160	14,454	13,844
Other Non-Current Liabilities	864	618	544
Current Liabilities	3,469	3,127	6,447
TOTAL LIABILITIES	46,423	43,627	44,819
Total No. of Shares (Weighted average)	101,743,327	101,601,496	101,453,327
Generation (MUs)	32,863	32,451	26,469
Capacity Factors (%)	80	79	71
KEY RATIOS*			
For the Financial Year			
Liquidity			
Current Ratio	2.41	2.86	1.99
Quick Ratio	2.28	2.71	1.92
Solvency			
Debt to Equity	0.61	0.62	0.62
Debt to Asset	0.33	0.33	0.31
Interest Cover	3.71	2.60	3.05
Profitability			
Return on Sales	24%	22%	20%
Return on Equity	8%	8%	6%
Return on Assets	5%	4%	3%
Gross Profit Margin	48%	46%	47%
Profit Before Interest & Tax Margin	37%	35%	34%
Efficiency			
Fixed Asset Turnover	26%	29%	24%
Total Asset Turnover	19%	20%	15%
Debtors Turnover Ratio	4.38	3.90	6.03
Average Collection Period (days)	83	94	61
Earnings per share (₹)	207	188	136
Book Value per share (₹)	2,438	2,306	2,185
Dividend per share (₹)	61.95	56.28	40.70

*The Performance and Key ratio has been prepared based on the new Revised Schedule VI reporting applicable from the Financial Year 2010-11.

						(₹ in Crore)	
2009-10	2008-09	2007-08	2006-07	2005-06	2004-05	2003-04	
4,479	3,782	4,266	4,654	4,186	3,967	5,501	
2,629	2,190	1,874	1,915	1,793	1,563	1,649	
441	489	455	343	235	279	342	
721	706	734	664	361	283	457	
688	397	1,203	1,733	1,797	1,843	3,054	
474	481	1,205	1,726	1,776	1,838	2,970	
416	441	1,079	1,571	1,713	1,705	2,604	
150	132	324	471	514	342	521	
19,231	16,759	16,595	15,060	12,662	9,197	8,945	
12,427	10,718	11,221	10,454	8,739	5,673	5,727	
28,539	28,078	25,067	24,229	21,875	18,410	14,797	
2,413	2,733	2,993	2,936	3,094	3,023	2,647	
-	-	-	-	-	-	-	
9,333	6,908	7,153	7,389	4,405	5,804	7,189	
38,448	36,663	34,269	33,196	28,105	25,960	23,270	
389	378	361	356	268	216	229	
503	507	429	585	373	496	880	
7,084	5,669	6,110	6,031	3,136	4,528	5,825	
10,145	10,145	10,145	10,145	10,145	10,145	9,245	
11,122	10,881	10,595	9,895	8,867	7,743	6,426	
21,268	21,027	20,740	20,040	19,012	17,889	15,672	
1,718	1,617	1,446	1,396	1,313	1,224	1,313	
15,462	14,019	12,083	11,761	7,780	6,848	6,286	
-	-	-	-	-	-	-	
2,249	1,238	1,043	1,358	1,269	1,276	1,363	
38,448	36,663	34,269	33,196	28,105	25,960	23,270	
101,453,327	101,453,327	101,453,327	101,453,327	101,453,327	101,453,327	89,321,727	
18,798	14,921	16,964	18,785	17,354	16,709	17,785	
61	50	54	63	74	76	81	
4.15	5.58	6.86	5.44	3.47	4.55	5.27	
3.98	5.27	6.51	5.18	3.26	4.38	5.10	
0.73	0.67	0.58	0.59	0.41	0.38	0.40	
0.40	0.38	0.35	0.35	0.28	0.26	0.27	
2.63	1.99	3.61	5.08	5.78	5.81	9.62	
9%	12%	25%	34%	41%	43%	47%	
2%	2%	5%	8%	9%	10%	17%	
1%	1%	3%	5%	6%	7%	11%	
41%	42%	56%	59%	57%	61%	70%	
25%	23%	39%	45%	49%	53%	62%	
16%	13%	17%	19%	19%	22%	37%	
12%	10%	12%	14%	15%	15%	24%	
8.90	7.47	9.94	7.95	11.23	7.99	6.25	
41	49	37	46	32	46	58	
44	44	106	155	169	180	315	
2,096	2,073	2,044	1,975	1,874	1,763	1,755	
14.79	13.05	31.89	46.45	50.70	36.00	63.00	

Annexure 'C' to the Directors' Report

REPORT ON CORPORATE GOVERNANCE

1. Company's Philosophy on Corporate Governance

The NPCIL's business philosophy appreciates the need of upholding the highest standard of corporate governance in its operations. The management of the Company believes that strong and sound corporate governance is an important instrument of protection of stakeholders and good corporate governance practices would enable it to face the challenges of growth effectively and successfully. The Company has strong legacy of fair, transparent and ethical government practices.

2. Board of Directors

Composition of the Board

The Board comprises of four whole time directors, including Chairman & Managing Director and six Non-Executive Directors as on 31st March 2013 out of which four are Independent Directors.

All directors, including non-executive directors, are professionals and have wide experience in their respective fields. A brief resume of all the directors is given in this annual report elsewhere.

The Board functions either as a full board or through committees constituted by it. The Board of Directors and its committees meet at regular intervals. A table showing present composition of the Board and attendance of the members of the Board at board meetings held during the year is given below.

Year 2012-13

Six meetings of the Board of Directors were held during the year on 04.04.2012, 24.05.2012, 13.08.2012, 06.11.2012, 10.01.2013 and 22.03.2013. The maximum time gap between any two consecutive Board Meetings did not exceed three months. The attendance of directors was as follows:

Name of Board Member	Board meetings attended during the year	Attendance		No. of Committees on which Chairman/ Member apart from NPCIL
		at last AGM 13 th August 2012	No. of other Directorships	
Chairman & Managing Director				
Shri K.C. Purohit	Five	Yes	-	Nil
Dr. S.K. Jain (superannuated on 31.05.2012)	Two	Not Applicable	(One) CMD, Bharatiya Nabhkiya Vidyut Nigam Ltd. (BHAVINI)	Nil
Executive Non-Independent Directors (Whole Time Directors)				
Shri S.A. Bhardwaj (superannuated on 31.01.2013)	Five	Yes	(One) Chairman, Anushakti Vidhyut Nigam Ltd.	Nil
Shri Preman Dinaraj	Six	Yes	(Two) 1. Chairman, NPCIL- NALCO Power Company Ltd. 2. Director, L&T Special Steels and Heavy Forgings Private Ltd.	(One) Chairman, Audit Committee of L&T Special Steels and Heavy Forgings Private Ltd.

Shri G. Nageswara Rao	Six	Yes	(One) Chairman, NPCIL-IndianOil Nuclear Energy Corporation Ltd.	Nil
Shri S.B. Agarkar	Five	Not Attended	(One) Chairman, Anushakti Vidhyut Nigam Ltd.	Nil
Non-executive (Part-time) Non-Independent Directors (Government Directors)				
Shri A.P. Joshi	Five	Yes	(One) Director, BHAVINI	Nil
Shri V.R. Sadasivam	Four	Yes	(Four) Director of: 1. BHAVINI 2. Electronics Corporation of India Ltd. (ECIL) 3. Indian Rare Earths Ltd. (IREL) 4. Uranium Corporation of India Ltd. (UCIL)	(Two) As Member, Audit Committee 1. IREL 2. BHAVINI
Non-executive (Part-time) Independent Directors				
Dr. R.K. Sinha, (ceased to be Director w.e.f. 19.06.2012)	Nil	Not Applicable	(One) Director, BHAVINI	(One) As Member, Audit Committee of BHAVINI
Shri Rakesh Nath (ceased to be Director w.e.f. 02.03.2013)	Four	Yes	Nil	Nil
Dr. Nalini Bhat	Five	Yes	Nil	Nil
Dr. Arbind Prasad (ceased to be Director w.e.f. 09.04.2012)	Nil	Not Applicable	(One) Director, BHAVINI	Nil
Shri Hemant Contractor (ceased to be Director w.e.f. 14.08.2012)	Two	Not Attended	Nil	Nil
Shri A.S. Bakshi	Four	Not Attended	(One) Director, NHPC Ltd.	Nil
Shri I.A. Khan (appointed w.e.f. 26.09.2012)	Three	Not Applicable	(One) Director, BHAVINI	Nil
Shri Sekhar Basu (appointed w.e.f. 08.10.2012)	Two	Not Applicable	(One) Director, BHAVINI	Nil

Notes:

- For the purpose of reckoning chairmanship / membership of the Committees, only Audit Committee and the Shareholders' Grievance Committee have been considered.
- All the Directors have made necessary disclosures about their Committee positions they occupy in other companies.
- None of the above non-executive directors has any material pecuniary relationship or transactions with the Company, its management, which in the judgment of the board may affect independence of judgment of the director.
- None of the Directors are related to each other.
- In respect of Non-executive (Part-time) Independent Directors, they are treated as Independent Directors. Clause 1.3 (c) of the Atomic Energy Commission Guidelines for NPCIL issued in 2008 provides for appointment of two Non-official Independent Directors on the Board. The steps are being initiated to fill the vacancies.

The following changes were taken place in the composition of the Board of Directors after 31st March 2013:

- Shri A.P. Joshi, Special Secretary, DAE consequent upon his appointment as Member (Finance), Atomic Energy Commission, Space Commission and Earth Commission, ceased to be a Director on the NPCIL Board w.e.f. 30.4.2013.
- Dr. Nalini Bhat, Adviser (IA), Ministry of Environment & Forests (MoEF), has retired from Government service on 30.4.2013 and as per the terms of her appointment on the Board of NPCIL ceased to be a Director w.e.f. 30.4.2013.
- Dr. C.B.S. Venkataramana, Additional Secretary, DAE has been appointed as part-time Director on the Board of NPCIL w.e.f. 10.05.2013 vice Shri A.P. Joshi.

The Company has a process to provide the information to the Board as required under Annexure IV of the Guidelines on Corporate Governance CPSEs, 2010 (Guidelines) issued by the Department of Public Enterprises (DPE) which was followed.

Compliance of all laws, rules and regulations is ongoing process. The steps would be taken to review the same periodically.

Code of Conduct

The Board of Directors has laid down Code of Conduct for the Board members and senior management personnel of the Company. A copy of the Code is available on the website of the Company.

All the members of the Board and Senior Management Personnel have affirmed compliance of respective Code of Conduct during the financial year ended on 31st March 2013.

The following are the sub-committees of the Board:

1. Board Sub-Committee on Contracts & Purchases.
2. Board Sub-Committee on Resource Mobilisation.
3. Audit Committee.
4. Bonds Allotment / Transfer Committee.
5. Shares Allotment / Transfer Committee.
6. Investors' Grievance Redressal Committee.

3. Audit Committee

Composition

As on 31st March 2013, the Audit Committee consisted of four members, all of whom are Non-Executive Independent

Directors. The members of Audit Committee are experienced and have fair knowledge of project finance, accounts and corporate laws. The Director (Finance) is the Permanent Invitee at the meetings and the Statutory Auditors attend as Special Invitees. The Cost Auditor and Internal Auditors are also invited, on rotation basis (unit-wise), at Audit Committee meetings for participation in discussions.

Number of meetings held and the dates on which they were held

Four meetings of the Audit Committee were held during the year 2012-13. The meetings were held on 24.05.2012, 06.08.2012, 29.10.2012 and 26.02.2013. The maximum time gap between any two audit committee meetings did not exceed four months. The composition of the Audit Committee is given below:

Name of the Member	Category	Number of meetings attended
Shri Rakesh Nath, Member (Tech.), Appellate Tribunal for Electricity	Chairman	Four
Shri A.S.Bakshi, Chairperson, Central Electricity Authority	Member	Two
Dr. Nalini Bhat, Adviser(IA), Ministry of Environment & Forests	Member	Three
Shri Sekhar Basu, Director, BARC (Adopted as member on 22 nd March 2013)	Member	Not Applicable
Shri I.A. Khan, Adviser(Energy), Planning Commission (Adopted as member on 22 nd March 2013)	Member	Not Applicable

Shri Preman Dinaraj, Director (Finance), NPCIL is the Permanent Invitee to the meetings of the Audit Committee.

Shri Rakesh Nath ceased to be Director w.e.f. 2nd March 2013 and consequently also ceased to be Chairman/Member of the Audit Committee.

The Audit Committee is reconstituted in the 143rd Meeting of the Board of Directors held on 22nd March 2013 and following two directors have been adopted as Members of Audit Committee:

1. Shri Sekhar Basu, Director, BARC
2. Shri I.A. Khan, Adviser (Energy), Planning Commission

The following change was taken place in the composition of the Audit Committee after 31st March 2013:

- Dr. Nalini Bhat ceased to be a Member w.e.f. 30th April 2013.

Shri A.S. Bakshi was elected as Chairman, Audit Committee in its meeting held on 23rd May 2013.

Role of Audit Committee

The terms of reference of the Committee are spelt out in Section 292A of the Companies Act, 1956 and Guidelines on Corporate Governance for CPSEs, 2010.

The role of the Audit Committee shall include the following:

1. Oversight of the Company's financial reporting process and the disclosure of its financial information to ensure that the financial statement is correct, sufficient and credible.
2. Recommending the fixation of audit fee of external auditors and also approval for payment for any other services.
3. Reviewing, with the management, the annual financial statements before submission to the Board for approval, with particular reference to:
 - a. Matters required to be included in the Director's Responsibility Statement to be included in the Board's report in terms of clause (2AA) of section 217 of the Companies Act, 1956.
 - b. Changes, if any, in accounting policies and practices and reasons for the same.
 - c. Major accounting entries involving estimates based on the exercise of judgment by management.
 - d. Significant adjustments made in the financial statements arising out of audit findings.
 - e. Compliance with listing and other legal requirements relating to financial statements.
 - f. Disclosure of any related party transactions.
 - g. Qualifications in the draft audit report.
4. Reviewing, with the management, the financial statements before submission to the Board for approval.
5. Reviewing, with the management, performance of internal auditors, adequacy of the internal control systems.
6. Reviewing the adequacy of internal audit function, if any, including the structure of the internal audit department, staffing and seniority of the official heading the department, reporting structure, coverage and frequency of internal audit.
7. Discussion with internal auditors and / or statutory auditors any significant findings and any follow up thereon.
8. Reviewing the findings of any internal investigations by the internal auditors / auditors / agencies into matters where there is suspected fraud or irregularity or a failure of internal control systems of a material nature and reporting the matter to the Board.
9. Discussion with statutory auditors before the audit commences, about the nature and scope of audit as well as post-audit discussion to ascertain any area of concern.
10. Looking into the reasons for substantial defaults in the payment to the depositors, debenture holders, shareholders (in case of non-payment of declared dividends) and creditors.
11. Reviewing the follow up action on the audit observations of the C&AG audit.
12. Reviewing the functioning of whistle blower mechanism.
13. To review the follow up action taken on the recommendations of Committee on Public Undertakings (COPU) of the Parliament.
14. Provide an open avenue of communication between the independent auditor, internal auditor and the Board of Directors.
15. Review all related party transactions in the Company. For this purpose, the Audit Committee may designate a member who shall be responsible for reviewing related party transactions.
16. Review with the independent auditor the co-ordination of audit efforts to assure completeness of coverage, reduction of redundant efforts, and the effective use of all audit resources.
17. Consider and review the following with the independent auditor and the management:
 - The adequacy of internal controls including computerised information system controls and security, and
 - Related findings and recommendations of the independent auditor and internal auditor, together with the management responses.

18. Consider and review the following with the management, internal auditor and the independent auditor:
- Significant findings during the year, including the status of previous audit recommendations,
 - Any difficulties encountered during audit work including any restrictions on the scope of activities or access to required information.
19. Carrying out any other function as is mentioned in the terms of reference of the Audit Committee.

Powers of Audit Committee

- (i) To investigate any activity within its terms of reference.
- (ii) To seek information on and from any employee.
- (iii) To obtain outside legal or other professional advice, subject to the approval of the Board of Directors.
- (iv) To secure attendance of outsiders with relevant expertise, if it considers necessary.
- (v) To protect whistle blowers.

The Company Secretary acts as the Secretary of the Audit Committee.

4. Remuneration Committee

The Company follows Government of India pattern of pay scales and Dearness Allowance for its employees. The perks available to the employees are broadly based on the pattern followed by the Government of India for its employees or as available to the employees of other PSEs of the Government of India. The same principle is applicable in case of remuneration and perquisites of whole time directors: Non-official part-time independent Directors are paid only sitting fees at the rate approved by the Government for attending the Board Meetings as well as Sub-Committee Meetings. Hence, no Remuneration Committee has been constituted. *However, the formation of Remuneration Committee under the guidelines on corporate governance will be reviewed.*

Details of remuneration paid to the Chairman & Managing Director and other Directors is given below:

(Amount in ₹)

Name of Director	All elements of remuneration of the Directors i.e. Salary, Bonus, LTC, Employers' PF Contribution, Pension Contribution, wherever applicable, benefits, etc.
1. Shri K.C. Purohit, CMD	27,86,799
2. Dr. S.K. Jain, (superannuated as CMD on 31.5.2012)	8,05,007
3. Shri S.A. Bhardwaj (superannuated on 31.1.2013)	28,98,147
4. Shri Preman Dinaraj	24,80,780
5. Shri G. Nageswara Rao	26,24,519
6. Shri S.B. Agarkar	28,83,890
TOTAL	1,44,79,142

5. Board Sub-Committee on Contracts & Purchases

This Sub-Committee is entrusted with the responsibility of implementing the decisions of the Board relating to Contracts & Purchases for the Company. The Committee has financial powers upto a limit of ₹ 100 crore. Further the Sub-Committee has powers upto a limit of ₹ 300 crore to approve contract on Public / Limited tender basis and for single / nomination basis upto a limit of ₹ 100 crore. The Committee meets from time to time depending upon the requirements of the business.

Composition of the Committee

1. Shri K.C. Purohit, CMD, NPCIL	Chairman
2. Shri Preman Dinaraj, Director (Finance), NPCIL	Member
3. Shri A.P. Joshi, Special Secretary, DAE	Member

6. Board Sub-Committee on Resource Mobilisation

This Sub-Committee considers the requirements of funds raising from the market for the Ongoing Projects of the Company as per the approval received from the Government of India and decides various modalities for the same. This Committee has also been assigned the additional responsibility of considering disposal

of Bonds in the market received from the SEBs against the outstanding dues in accordance with the recommendations of the Ahluwalia Committee.

Composition

1.	Shri K.C. Purohit, CMD, NPCIL	Chairman
2.	Shri Preman Dinaraj, Director (Finance), NPCIL	Member
3.	Shri A.P. Joshi, Special Secretary, DAE	Member

7. Shares Allotment/Transfer Committee

This Committee considers the allotment and transfer of Shares and issuance of share certificates and other matters incidental thereto.

Composition

1.	Shri K.C. Purohit, CMD, NPCIL	Chairman
2.	Shri Preman Dinaraj, Director (Finance), NPCIL	Member
3.	Shri A.P. Joshi, Special Secretary, DAE	Member

8. Bonds Allotment/Transfer Committee

The Committee considers the allotment of Bonds to the applicants and subsequent transfers of holdings, issuance of bond certificates and other matters incidental thereto.

Composition

1.	Shri K.C. Purohit, CMD, NPCIL	Chairman
2.	Shri Preman Dinaraj, Director (Finance), NPCIL	Member

9. Investors' Grievance Redressal Committee

Composition

1.	Shri A.P. Joshi, Special Secretary, DAE	Chairman
2.	Shri Preman Dinaraj, Director (Finance), NPCIL	Member

The Committee is vested with the following powers:

- To look into/monitor investors' complaints like transfer of bonds/debentures/securities, non-receipt of interest, redemption proceeds, etc.
- To investigate any activity within its terms of reference.
- To seek information from any employee.
- To obtain outside legal or other professional advice.

- To secure attendance of outsiders with relevant expertise, if it considers necessary.
- To advise on the matters relating to rendering of services to the Investors.

The Company Secretary acts as the Secretary to the Committee.

One meeting of the Committee was held during the year on 22nd March 2013. The following were present at the meeting:

- Shri A.P. Joshi
- Shri Preman Dinaraj

Name, address, telephone no. of Company Secretary:

Shri Srikar R. Pai,
Company Secretary,
16th Floor, Centre-1,
World Trade Centre,
Cuffe Parade, Mumbai-400 005.
Tel. Nos.(O) 022-2218 0281 (Fax) 022-2218 5464.

Details of the bondholders' grievances received during the year:

Queries received from the bondholders were replied to promptly. As on 31st March 2013, no complaints were pending.

10. Disclosures

- During the year, there were no transactions of material nature with the directors or their relatives or the management that had potential conflict with the interest of the Company.
- A statement of related party transactions during the year as per AS18 is given in notes forming part of Annual Accounts of the Company for the year 2012-13. *As such, no statement was placed before the Audit Committee.*
- There were no instances of non-compliance on any matter related to any guidelines issued by the Government during the last three years.
- The Company has complied with the 'Corporate Governance Guidelines for CPSEs' issued by the Department of Public Enterprises as directed by the DAE and quarterly compliance reports have been regularly submitted to the DAE.
- In NPCIL, risk management is a part of management system based on a Safety conscious approach. A policy on Risk Management has been approved

by Board of Directors in its meeting held on 28th November 2009 and is implemented in accordance with the Guidelines on Corporate Governance.

6. The Company being PSU, Central Vigilance Commission Guidelines are applicable, which provide adequate safeguard against victimisation of employees. No person has been denied access to the Audit Committee.
7. CEO / CFO Certificate was placed before the Board at its meeting held on 27th May 2013 and is being provided in the Annual Report.

11. Means of Communication

1. Half yearly financial results of the Company for the half year ended on 30th September 2012 were published in all editions of The Economics Times (English) and Navbharat Times (Hindi), Mumbai edition. The financial results for the year ended 31st March 2013 were published in all editions of The Economics Times (English) and The Navbharat Times (Hindi) Mumbai edition on 29th May 2013.
2. The Company's website (www.npcil.nic.in) provides a variety of information on the Company like profile, organisation, plant performance statistics, financial performance, FAQ, reference articles, etc. The hit-rate of the web site is significant.
3. The Company participates in important exhibitions as an exercise towards public awareness on nuclear power and informative booklets/pamphlets are distributed to the visitors.
4. Matters of interest to employees are circulated internally in the form of Notices, Office Orders and Instructions.
5. Management's Discussion & Analysis forms part of the annual report.

12. General Shareholders Information

The total share holding of the Company is by the Government of India through its nominees.

General Body Meetings

The last three Annual General Meetings were held as under:

Financial year	Date & Time	Venue
2011-12	13 th August 2012 2.30 p.m.	Registered Office, 16 th Floor, Centre-1, World Trade Centre, Cuffe Parade, Mumbai-400 005.
2010-11	7 th September 2011 2.30 p.m.	same as above
2009-10	27 th August 2010 2.30 p.m.	same as above

Special resolutions were passed in the 25th Annual General Meeting held on 13th August 2012 for alteration of the Articles of Association.

Postal Ballot

At the ensuing Annual General Meeting, there is no resolution proposed to be passed by Postal Ballot. However, the Company will extend the facility of voting by postal ballot, as and when decisions of shareholders/investors will be sought (on matters of critical nature and notified by the Government of India).

Annual General Meeting

26th Annual General Meeting for the financial year 2012-13 will be held at 2.00pm on 5th July 2013 at Registered Office of the Company in Mumbai.

Market Price Data

The shares of the Company are not listed on any Stock Exchange. However, bonds issued by the Company are listed with the National Stock Exchange of India since December 1996. The Bonds are traded on the Wholesale Debt Market Segment of the NSE. Trading of the bonds does occasionally take place, however, market value of the bonds does not fluctuate much; therefore, information relating to market price movements of bonds, being of no significance, is not given.

Financial Calendar

From April 2013 to March 2014

Key Financial reporting dates for the financial year:

- Financial Results for the half year ending 30th September 2013 will be published on or before 14th November 2013;
- Financial Results for the year ending 31st March 2014 will be published on or before 30th May 2014.

The Financial Results will be simultaneously posted on the website (www.npcil.nic.in) of the Company.

Since 100% shares are owned by the Government of India, information regarding date of payment of Dividend and book closure is not given here.

Distribution of Bonds Holding

The bonds are issued by private placement. The bonds are mostly held by the Banks, Financial Institutions and Employees Gratuity / Provident / Death Relief Funds of various organisations.

Dematerialisation

The Company has entered into agreements with the National Securities Depository Ltd. (NSDL) and Central Depository Services Ltd. (CDSL) for dematerialisation facility. All bonds issued so far are admitted to depository systems of the NSDL and CDSL.

Registrars and Transfer Agent appointed for servicing of the Bonds issued by the Company

TSR Darashaw Private Limited,
6-10, Haji Moosa Patrawala Industrial Estate,
20, Dr. E. Moses Road, Mahalaxmi,
Mumbai - 400 011.
Telephone No.022-66568484, Fax 022-66568494
Email: csg-unit@tsrdarashaw.com

Subsidiary Companies

As on date, the Company has three subsidiary companies viz.

1. Anushakti Vidhyut Nigam Limited (incorporated on 27th January 2011)
2. NPCIL-IndianOil Nuclear Energy Corporation Limited (incorporated on 6th April 2011)
3. NPCIL-NALCO Power Company Ltd. (incorporated on 2nd March 2012)

None of the above subsidiaries are covered within the criteria laid down in the Guidelines. However, minutes of the Board Meetings of the subsidiaries are placed before the Board Meetings of the Company for information.

Plant Locations:

The details of the plant locations of the Company are available elsewhere in the report.

Address for Correspondence

1. Registered Office:
16th Floor, Centre-1, World Trade Centre,
Cuffe Parade, Mumbai - 400 005.
2. Corporate Office:
Nabhikiya Urja Bhavan, Anushaktinagar,
Mumbai - 400 094.

Based on the affirmation received from Board Members and Senior Management Personnel, declaration regarding compliance of Code of Conduct made by Chairman & Managing Director is given below:

All the members of the Board and Senior Management Personnel have affirmed compliance of respective Code of Conduct for the Financial Year ended on 31st March 2013.

Sd/-
(K.C. Purohit)
Chairman & Managing Director

Annexure 'D' to the Directors' Report

Certificate of the practising company secretary on corporate governance

To
The Members of
Nuclear Power Corporation of India Limited
World Trade Centre
Mumbai – 400 005.

We have examined the compliance of the conditions of corporate governance by Nuclear Power Corporation of India Limited, for the year ended on 31st March 2013, as stipulated in the guidelines on Corporate Governance for Central Public Sector Enterprises, 2010, which were forwarded by the Department of Atomic Energy (DAE), the Administrative Ministry of NPCIL, for compliance with the instructions contained therein.

The Corporate Governance requirements specified in the said guidelines on Corporate Governance for Central Public Sector Enterprises are mandatory. The compliance of the conditions of Corporate Governance is the responsibility of the management. Our examination was limited to a review of the procedures and implementation thereof, adopted by the Company for ensuring the compliance with the conditions of the Corporate Governance. It is neither an audit nor an expression of opinion on the financial statements of the Company.

In our opinion and to the best of our information and according to the explanation given to us and the representations made by the management, we certify that the Company has, subject to the statements made in the report in italics, generally complied with the conditions of Corporate Governance to the extent possible as stipulated in the said guidelines on Corporate Governance for Central Public Sector Enterprises, 2010.

We further state that such compliance is neither an assurance as to the future viability of the Company nor the efficiency or effectiveness with which the management has conducted the affairs of the Company.

For PARIKH & ASSOCIATES
Practising Company Secretaries

Sd/-

P.N.PARIKH

FCS : 327 CP : 1228

Place : Mumbai
Date : 27th May 2013

Annexure 'E' to the Directors' Report

Statement pursuant to section - 212 of the Companies Act, 1956 relating to subsidiary companies

1. Name of the Subsidiary - Anushakti Vidhyut Nigam Limited

Particulars	(₹ in Crore)	
	Financial Year 2012-13	Previous Year 2011-12
1. Extent of the Holding Company Interest in the subsidiary at the end of year	51 percent	51 percent
2. The net aggregate amount of subsidiary's Profits / (Losses), so far as it concerns members of the holding company and is not dealt with in the holding company's account:		
i) for the financial year	-	(0.03)
ii) for the previous financial years since it became the holding company's subsidiary	(0.03)	-
3. The net aggregate amount of subsidiary's Profits / (Losses), so far as those are dealt with in the holding company's account:		
i) for the financial year	-	-
ii) for the previous financial years since it became the holding company's subsidiary	-	-

2. Name of the Subsidiary - NPCIL-Indianoil Nuclear Energy Corporation Limited

Particulars	(₹ in Crore)	
	Financial Year 2012-13	Previous Year 2011-12
1. Extent of the Holding Company Interest in the subsidiary at the end of year	74 percent	74 percent
2. The net aggregate amount of subsidiary's Profits / (Losses), so far as it concerns members of the holding company and is not dealt with in the holding company's account:		
i) for the financial year	0.04	(0.09)
ii) for the previous financial years since it became the holding company's subsidiary	(0.09)	-
3. The net aggregate amount of subsidiary's Profits / (Losses), so far as those are dealt with in the holding company's account:		
i) for the financial year	-	-
ii) for the previous financial years since it became the holding company's subsidiary	-	-

3. Name of the Subsidiary - NPCIL – NALCO Power Company Limited

Particulars	(₹ in Crore)	
	Financial Year 2012-13	Previous Year 2011-12
1. Extent of the Holding Company Interest in the subsidiary at the end of year	74 percent	Not Applicable
2. The net aggregate amount of subsidiary's Profits / (Losses), so far as it concerns members of the holding company and is not dealt with in the holding company's account:		
i) for the financial year	(0.03)	Not Applicable
ii) for the previous financial years since it became the holding company's subsidiary	-	Not Applicable
3. The net aggregate amount of subsidiary's Profits / (Losses), so far as those are dealt with in the holding company's account:		
i) for the financial year	-	Not Applicable
ii) for the previous financial years since it became the holding company's subsidiary	-	Not Applicable

For and on behalf of
NUCLEAR POWER CORPORATION OF INDIA LIMITED

Place: Mumbai
Date: 5th July 2013

Sd/-
(SRIKAR R. PAI)
Company Secretary

Sd/-
(PREMAN DINARAJ)
Director (Finance)

Sd/-
(K. C. PUROHIT)
Chairman and Managing Director

CEO/CFO CERTIFICATION

It is certified that:

- (a) We have reviewed Financial Statements and the Cash Flow Statement for the year ended 31st March 2013 and that to the best of our knowledge and belief:
 - (i) these statements do not contain any materially untrue statement or omit any material fact or statements that might be misleading;
 - (ii) these statements together present a true and fair view of the Company's affairs and are in compliance with existing Accounting Standards, applicable Laws and Regulations.
- (b) There are to the best of our knowledge and belief, no transactions entered into by the Company during the year which are fraudulent, illegal or violative of the Company's code of conduct.
- (c) We accept responsibility for establishing and maintaining internal controls and that we have evaluated the effectiveness of the internal control system of the Company and we have disclosed to the auditors and the Audit Committee, deficiencies in the design or operation of internal controls, if any, of which we are aware and the steps we have taken or propose to take to rectify these deficiencies.
- (d) We have indicated to the auditors and the Audit Committee
 - (i) significant changes in internal control during the year;
 - (ii) significant changes in accounting policies during the year and that the same have been disclosed in the notes to the financial statements; and
 - (iii) instances of significant deviations in the Company's internal control system.

For and on behalf of
NUCLEAR POWER CORPORATION OF INDIA LIMITED

Place: Mumbai
 Date: 27th May 2013

Sd/-
(PREMAN DINARAJ)
 Director (Finance)

Sd/-
(K. C. PUROHIT)
 Chairman and Managing Director

Independent Auditor's Report

To the Members of

NUCLEAR POWER CORPORATION OF INDIA LIMITED

Report on the Financial Statements

We have audited the accompanying financial statements of NUCLEAR POWER CORPORATION OF INDIA LIMITED (hereinafter referred to as "Corporation"), which comprise the Balance Sheet as at March 31, 2013, and the Statement of Profit and Loss and Cash Flow Statement for the year then ended, and a summary of significant accounting policies and other explanatory information in which, are incorporated the accounts of Power Stations, Projects and Offices audited by us and also by the Branch Auditors specifically appointed by the Comptroller & Auditor General of India and whose reports have been considered in preparation of this report.

Management's Responsibility for the Financial Statements

Management is responsible for the preparation of these financial statements that give a true and fair view of the financial position, financial performance and cash flows of the Corporation in accordance with the Accounting Standards referred to in sub-section (3C) of section 211 of the Companies Act, 1956 ("the Act"). This responsibility includes the design, implementation and maintenance of internal control relevant to the preparation and presentation of the financial statements that give a true and fair view and are free from material misstatement, whether due to fraud or error.

Auditor's Responsibility

Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with the Standards on Auditing issued by the Institute of Chartered Accountants of India. Those Standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal

control relevant to the Corporation's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of the accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Opinion

In our opinion and to the best of our information and according to the explanations given to us subject to

- a) as mentioned in Note No.43 (a) & (b), the information as required by Para 5(viii) of General Instructions under Part II of Revised Schedule VI under the Companies Act, 1956 has not been disclosed being confidential in nature.
- b) In view of technical reasons, we have relied on Management's representation/Technical Staff certification affirming future economic benefit, serviceable and good condition in respect of Capital goods & Stores, Construction Surplus and Non-Moving/Slow Moving Stores & Spares.

the financial statements give the information required by the Act in the manner so required and give a true and fair view in conformity with the accounting principles generally accepted in India:

- a) in the case of the Balance Sheet, of the state of affairs of the Corporation as at March 31, 2013;
- b) in the case of the Profit and Loss Account, of the profit for the year ended on that date; and
- c) in the case of the Cash Flow Statement, of the cash flows for the year ended on that date.

Report on Other Legal & Regulatory Requirements

1. The Corporation is also governed by The Atomic Energy Act, 1962, the provisions of said Act have prevailed wherever they have been inconsistent with the provisions of the Companies Act, 1956.
2. As required by the Companies (Auditor's Report) Order, 2003 ("the Order") (as amended by Notification No. GSR 766(E) dated 25.11.2004) issued by the Central

Government of India in terms of sub-section (4A) of section 227 of the Act and on the basis of such checks as we considered appropriate and according to information and explanations given to us, we give in the Annexure a statement on the matters specified in paragraphs 4 and 5 of the Order.

3. As required by section 227(3) of the Act, we report that:
- a) We have obtained all the information and explanations which to the best of our knowledge and belief were necessary for the purpose of our audit. However, in relation to quantitative usage of fuel and heavy water, which as explained to us being sensitive and confidential in nature, are not made available to us for verification, due to secrecy attached as per the Atomic Energy Act, 1962. We have relied upon the reconciled expenditure statement, in relation to usage of Fuel/Heavy Water during 2012-13, as confirmed/certified by the duly appointed committee consisting of members from Corporation, Nuclear Fuel Complex (NFC) and Department of Atomic Energy (DAE).
 - b) In our opinion proper books of account as required by law have been kept by the Corporation so far as appears from our examination of those books and proper returns adequate for the purpose of our audit have been received from power stations and projects not visited by us. The Branch Auditor's reports have been forwarded to us and have been appropriately dealt with while framing this report.
 - c) The Balance Sheet, Statement of Profit and Loss, and Cash Flow Statement dealt with by this Report are in agreement with the books of account and the audited returns received from the power stations and projects.
 - d) In our opinion, the Balance Sheet, Statement of Profit and Loss, and Cash Flow Statement comply with the Accounting Standards referred to in sub section (3C) of section 211 of the Companies Act, 1956.
 - e) Being a Government company, pursuant to Notification No. G.S.R.829(E) dated 21.10.2003 issued by the Department of Company Affairs, Government of India, provisions of clause(g) of sub section(1) of Section 274 of the Act are not applicable to the corporation.
 - f) Since the Central Government has not issued any notification as to the rate at which the cess is to be

paid under section 441A of the Companies Act, 1956 nor has it issued any Rules under the said section, prescribing the manner in which such cess is to be paid, no cess is due and payable by the Corporation.

For VYAS & VYAS
Chartered Accountants
Firm's Registration Number: 000590C

Place: Mumbai
Date: 27/05/2013

Sd/-
(O.P. VYAS)
Partner
Membership No.: 014081

Annexure to the Auditor's Report

The Annexure referred to in paragraph 2 of the Our Report on Other Legal & Regulatory Requirements of even date to the members of NUCLEAR POWER CORPORATION OF INDIA LIMITED on the Financial Statements of the Corporation for the year ended 31st March, 2013.

On the basis of such checks as we considered appropriate and according to the information and explanation given to us during the course of our audit, we report that:

- I. (a) The corporation has generally maintained proper records showing full particulars including quantitative details and situation of its fixed assets.
- (b) Although all the fixed assets have not been physically verified by the management during the year, however there is a regular program of verification which in our opinion is reasonable having regard to the size of the corporation and nature of its assets. As informed to us, no material discrepancies have been reported on such physical verification.
- (c) The corporation has not disposed off substantial part of fixed asset during the year; hence the going concern status of the corporation is not affected.
- II. (a) As explained to us, inventories have been physically verified during the year by the management at reasonable intervals. Necessary certificates have been obtained by the corporation in respect of material lying with the third parties.
- (b) In our opinion, the procedures of physical verification of inventories followed by the management are reasonable and adequate in relation to the size of the corporation and the nature of its business.
- (c) The Corporation is maintaining proper records of its inventories. No material discrepancy was reported to be noticed on physical verification of stocks by the management as compared to book records.
- III. (a) According to the information and explanations given to us, the Corporation has not granted any loans, secured or unsecured, to companies, firms or other parties covered under the register maintained under Section 301 of the Companies Act, 1956. Consequently, the provisions of clauses iii (b), iii (c) and iii (d) of the order are not applicable to the Corporation.
- (b) According to the information and explanations given to us, the Corporation has not taken loans from companies, firms or other parties covered under register maintained under Section 301 of the Companies Act, 1956. Thus sub clauses (f)&(g) are not applicable to the Corporation.
- IV. In our opinion and according to the information and explanations given to us, there are adequate internal control systems commensurate with the size of the corporation and the nature of its business, for the purchase of inventories, fixed assets, equipments and other assets and with regard to sale of electricity and rendering of services. Further on the basis of examination of books and records of the corporation, in according to the information and explanation given to us, neither we have observed nor reported by the branch auditors for any continuing failure to correct major weaknesses in internal control systems.
- V. (a) According to the information and explanations provided by the management, there are no contracts or arrangements referred to in section 301 of the Act that needs to be entered in the register required to be maintained under that section.
- (b) In view of the clause V (a) above, this sub clause is not applicable.
- VI. According to the information and explanations given to us, the Corporation has not accepted any deposits from the public covered under section 58A and 58AA of the Companies Act, 1956.
- VII. In our opinion, the Corporation has an internal audit system commensurate with its size and the nature of its business.
- VIII. Maintenance of cost records has been prescribed by the Central Government under clause (d) of sub-section (1) of section 209 of the Companies Act 1956, and we are of the opinion that prima facie the prescribed accounts and records have been made and maintained by the units of the Corporation.
- IX. (a) The Corporation is generally regular in depositing with appropriate authorities, the undisputed statutory dues including Provident Fund, Investor Education and Protection Fund, Employees' State Insurance,

Income-Tax, Sales-Tax, Wealth Tax, Service Tax, Custom Duty, Excise Duty, Cess to the extent applicable and any other statutory dues.

Provident fund dues in respect of employees on deputation from Department of Atomic Energy (DAE), Government of India are credited to the DAE Account in the books of the Corporation and intimated to DAE.

As informed, provisions of Employees State Insurance Act, 1948 are not applicable to the Corporation.

According to the information and explanations given to us, there were no outstanding aforesaid statutory dues as on 31st March, 2013 for a period of more than six months from the date they became payable.

- (b) The disputed Statutory dues, as detailed below, have not been deposited on account of matters pending before appellate authorities:

Statue	Nature of Dues/Matter	Amount (₹ in Crore)	Forum where the Dispute is pending
Income Tax Act, 1961	Additions to Returned Income by AOAY 2007-08	26.28	CIT (Appeals) Mumbai
Income Tax Act, 1961 (Withholding Tax)	AY 2009-10	22.21	ITAT, Mumbai
	AY 2008-09	30.51	
	AY 2007-08	50.58	
	AY 2006-07	49.55	
	AY 2005-06	7.96	
	AY 2004-05	12.97	
	TOTAL	173.78	
Water (Prevention and Control of Pollution) Cess Act, 1977	Water Cess payable to Maharashtra Pollution Control Board	20.79	Cess Appellate Committee of Maharashtra Pollution Control Board
Water (Prevention and Control of Pollution) Cess Act, 1977	Water Cess payable to Rajasthan State Pollution Control Board	5.68	Rajasthan High Court
Rajasthan State Entry Tax, Commercial Tax Department	Entry Tax for the period 01.04.2008 to 31.03.2013	0.14	Assistant Commissioner, Commercial Tax Department

- X. The Corporation has no accumulated losses as at 31st March, 2013. The Corporation has not incurred cash losses during the financial year covered under audit and in the immediately preceding financial year.
- XI. In our opinion and according to the information and explanations given to us, the Corporation has not defaulted in repayment of dues to financial institutions, banks or bond holders.
- XII. According to the information and explanations given to us, the Corporation has not granted any loans and advances on the basis of security by way of pledge of shares, debentures and other securities.
- XIII. The Corporation is not a chit fund or a nidhi/mutual benefit/society. Therefore, the provisions of clause 4 (xiii) of the Order are not applicable to the Corporation.
- XIV. According to the information and explanations given to us, the Corporation is not dealing in or trading in the shares, securities, debentures and other investments. Accordingly, the provisions of clause 4(xiv) of the Order are not applicable to the Corporation.
- XV. According to the information and explanations given to us, the Corporation has not given any guarantee for loans taken by others, from Banks or Financial Institutions.
- XVI. In our opinion, the term loans have been generally applied for the purpose for which they were raised.
- XVII. According to the information and explanations given to us and based on overall examination of Balance Sheet of the Corporation, we report that funds raised on short-term basis have not been utilised for long-term investment.

- XVIII. According to the information and explanations given to us, the Corporation has not made any preferential allotment of shares during the year.
- XIX. Securities have been created by the Corporation in respect of bonds issued.
- XX. The Corporation has not raised any money by way of public issue during the year under audit.
- XXI. According to the information and explanations given to us, no fraud on or by the Corporation has been noticed or reported during the year.

For VYAS & VYAS

Chartered Accountants

Firm's Registration Number: 000590C

Sd/-

(O.P. VYAS)

Partner

Membership No.: 014081

Place: Mumbai
Date: 27/05/2013

Comments of the Comptroller and Auditor General of India

COMMENTS OF THE COMPTROLLER AND AUDITOR GENERAL OF INDIA UNDER SECTION 619 (4) OF THE COMPANIES ACT, 1956 ON THE ACCOUNTS OF NUCLEAR POWER CORPORATION OF INDIA LIMITED FOR THE YEAR ENDED 31ST MARCH 2013.

The preparation of financial statements of Nuclear Power Corporation of India Limited for the year ended 31st March 2013 in accordance with the financial reporting framework prescribed under the Companies Act, 1956 is the responsibility of the management of the Company. The Statutory Auditors appointed by the Comptroller and Auditor General of India under Section 619 (2) of the Companies Act, 1956 are responsible for expressing opinion on these financial statements under Section 227 of the Companies Act, 1956 based on the independent audit in accordance with the Auditing and Assurance Standards prescribed by their professional body, the Institute of Chartered Accountants of India. This is stated to have been done by them vide their Audit Report dated 27.05.2013.

I, on the behalf of the Comptroller and Auditor General of India, have conducted a supplementary audit under Section 619 (3)

(b) of the Companies Act, 1956 of the financial statements of Nuclear Power Corporation of India Limited for the year ended 31st March 2013. This supplementary audit has been carried out independently without access to the working papers of the statutory auditors and is limited primarily to inquiries of the statutory auditors and company personnel and a selective examination of some of the accounting records.

Based on my supplementary audit, nothing significant has come to my knowledge which would give rise to any comment upon or supplement to Statutory Auditor's report under Section 619(4) of the Companies Act, 1956.

For and on the behalf of the
Comptroller and Auditor General of India

Sd/-
(John K. Selate)

Place : New Delhi
Date : 21.06.2013

Pr. Director of Commercial Audit &
Ex-Officio Member, Audit Board-IV

Balance Sheet as at 31st March 2013

(₹ in Crore)

Particulars	Note No.	As at	
		31 st March 2013	31 st March 2012
I. EQUITY & LIABILITIES			
1. Shareholder's Funds			
a) Share Capital	1	10,174.33	10,174.33
b) Reserves and Surplus	2	16,756.19	15,238.49
		26,930.52	25,412.82
2. Non Current Liabilities			
a) Long Term Borrowings	3	15,160.35	14,453.89
b) Deferred Tax Liability (Net)	4	24.47	15.71
c) Other Long Term Liabilities	5	43.76	13.29
d) Long Term Provisions	6	794.91	589.28
		16,023.49	15,072.17
3. Current Liabilities			
a) Short Term Borrowings	7	-	-
b) Trade Payables	8	454.27	375.14
c) Other Current Liabilities	9	2,586.13	2,360.19
d) Short Term Provisions	10	428.45	391.28
		3,468.85	3,126.61
TOTAL		46,422.86	43,611.60
II. ASSETS			
1. Non Current Assets			
a) Fixed Assets			
i) Tangible Assets	11	12,066.33	12,786.06
ii) Intangible Assets	11	5.99	4.76
iii) Capital Work In Progress	12	21,231.69	17,596.09
iv) Intangible Assets under development		0.64	0.64
		33,304.65	30,387.55
b) Non Current Investments	13	1,690.67	1,993.86
c) Long Term Loans and Advances	14	2,533.28	1,809.04
d) Other Non Current Assets	15	516.82	494.32
		38,045.42	34,684.77
2. Current Assets			
a) Current Investments	16	172.81	397.81
b) Inventories	17	485.40	452.22
c) Trade Receivables	18	1,972.56	2,235.24
d) Cash & Bank Balances	19	3,488.46	4,121.45
e) Earmarked Cash & Bank Balances	19A	1,100.20	1,039.10
f) Short Term Loans and Advances	20	219.26	107.95
g) Other Current Assets	21	938.75	573.06
		8,377.44	8,926.83
TOTAL		46,422.86	43,611.60

The Significant Accounting Policies (I) and Notes (II) are integral part of these Financial Statements.

In terms of our Audit Report of even date attached

For VYAS & VYAS

Chartered Accountants

FRN. 000590C

Sd/-
(O. P. VYAS)

Partner
M. No. 014081

Place: Mumbai

Date: 27/05/2013

For and on behalf of

NUCLEAR POWER CORPORATION OF INDIA LIMITED

Sd/-
(SRIKAR R. PAI)
Company Secretary

Sd/-
(PREMAN DINARAJ)
Director (Finance)

Sd/-
(K. C. PUROHIT)
Chairman and Managing Director

Statement of Profit and Loss for the year ended on 31st March 2013

(₹ in Crore)

Particulars	Note No.	For the year ended 31 st March 2013	For the year ended 31 st March 2012
I. INCOME / REVENUE			
Revenue from Operations	22	7,961.51	7,913.81
Other Income	23	676.46	795.10
TOTAL REVENUE		8,637.97	8,708.91
II. EXPENSES			
Fuel & Heavy Water Charges	24	2,630.97	2,878.86
Operation and Maintenance Expenses	25	620.97	614.35
Employee Benefits Expenses	26	995.18	915.48
Finance Costs	27	555.66	672.41
Depreciation and Amortisation Expenses	11	962.93	961.48
Administration and Other Expenses	28	254.79	271.97
TOTAL EXPENSES		6,020.50	6,314.55
III. Profit before exceptional and extraordinary items and tax		2,617.47	2,394.36
Prior Period Adjustments	29	2.89	12.71
Exceptional items		-	-
IV. Profit before extraordinary items and tax		2,614.58	2,381.65
Extraordinary Items		-	-
V. Profit before tax		2,614.58	2,381.65
VI. TAX EXPENSES	30		
1) Current Tax		504.83	459.79
2) Deferred Tax		8.76	15.71
Total Tax Expenses		513.59	475.50
VII. NET PROFIT FOR THE YEAR		2,100.99	1,906.15
VIII. EARNING PER EQUITY SHARE (FV of ₹ 1,000 each)			
1) Basic	} (Amount in ₹)	206.50	187.61
2) Diluted			

The Significant Accounting Policies (I) and Notes (II) are integral part of these Financial Statements.

In terms of our Audit Report of even date attached

For VYAS & VYAS

Chartered Accountants

FRN. 000590C

Sd/-

(O. P. VYAS)

Partner

M. No. 014081

Place: Mumbai

Date: 27/05/2013

For and on behalf of

NUCLEAR POWER CORPORATION OF INDIA LIMITED

Sd/-

(SRIKAR R. PAI)

Company Secretary

Sd/-

(PREMAN DINARAJ)

Director (Finance)

Sd/-

(K. C. PUROHIT)

Chairman and Managing Director

Cash Flow Statement for the year ended on 31st March 2013

(₹ in Crore)

Particulars	2012-13		2011-12	
A CASH FLOW FROM OPERATING ACTIVITIES:				
Net Profit before tax and extraordinary items		2,614.58		2,381.65
Adjustments for:				
Add : (a) Depreciation	962.93		961.48	
(b) Prov. For Obsolete stock	(0.01)		(1.58)	
(c) Prov. For Trade Receivables	-		-	
(d) Prov. For doubtful advances	(0.08)		-	
(e) Prov. For Gratuity, Leave encashment & other benefits	204.80		79.82	
(f) Loss on sale of fixed assets	0.07		0.61	
(g) Prior Period depreciation/Obsolesce	4.77		3.80	
(h) Wealth Tax Provision	1.50		1.20	
(i) Foreign Currency transactions differences	-		0.14	
(j) Interest Expense on Financing Activities	555.66	1,729.64	672.41	1,717.88
		4,344.22		4,099.53
Less : (a) Prov. No longer required	8.40		11.40	
(b) Profit on sale of fixed assets	0.19		0.20	
(c) Transfer from R & D	7.28		6.01	
(d) Interest Income on Investing Activities	639.58	655.45	740.02	757.63
Operating Profit before changes in Assets and Liabilities		3,688.77		3,341.90
Adjustments for changes in Assets and Liabilities:				
Decrease/(Increase) in Trade Receivables	262.68		(1,090.81)	
Decrease/(Increase) in Inventories	(33.26)		(58.02)	
Decrease/(Increase) in Other Assets	(110.64)		(173.18)	
Decrease/(Increase) in Loans & Advances	(136.98)		(47.47)	
Increase/(Decrease) in liabilities	(332.65)	(350.85)	607.60	(761.88)
CASH GENERATED FROM OPERATION		3,337.92		2,580.02
less : Taxes Paid (Net of Refund)		489.39		260.10
NET CASH FROM OPERATING ACTIVITIES		2,848.53		2,319.92
B CASH FLOW FROM INVESTING ACTIVITIES				
Purchase of Fixed Assets	(272.33)		(129.16)	
Sale of Fixed Assets	5.13		19.50	
Capital Work in Progress & Capital Advances	(3,876.98)		(3,010.43)	
Investments (Net)	528.19		(102.06)	
Loan to JV Company	(30.00)		-	
Interest on Investments	372.43		946.87	
Interest on Earmarked Funds	123.48		112.20	
Investment of Earmarked Funds (Net)	84.80		(1,039.10)	
Taxes paid on earmarked funds (Net of Refund)	(36.53)		9.46	
Levies collected	59.08		58.25	
NET CASH (USED IN) / FROM INVESTING ACTIVITIES		(3,042.73)		(3,134.47)
C CASH FLOW FROM FINANCING ACTIVITIES				
Proceeds from issue of Equity share capital	-		-	
Interest paid on Borrowings	(1,043.51)		(1,218.43)	

Loan from banks and Russian credit	282.06	1,190.82
Raising of bonds / Term Loans (Net of Repayment)	1,020.00	(4,475.00)
Interim Dividend for current year (including tax thereon)	(358.14)	(325.42)
Final Dividend Paid for previous year (including tax thereon)	(339.20)	(305.55)
NET CASH (USED IN) / FROM FINANCING ACTIVITIES	(438.79)	(5,133.58)
Net (Decrease)/Increase in cash and Cash Equivalents (A+B+C)	(632.99)	(5,948.13)
Cash & Cash Equivalents as at the Commencement of the Year	4,121.45	10,069.58
Cash & Cash Equivalents as at the Close of the Year (Excluding earmaked)	3,488.46	4,121.45

Previous year figures have been regrouped / rearranged, wherever found necessary.

In terms of our Audit Report of even date attached

For VYAS & VYAS

Chartered Accountants
FRN. 000590C

Sd/-
(O. P. VYAS)
Partner
M. No. 014081
Place: Mumbai
Date: 27/05/2013

For and on behalf of
NUCLEAR POWER CORPORATION OF INDIA LIMITED

Sd/-	Sd/-	Sd/-	Sd/-
(SRIKAR R. PAI)	(PREMAN DINARAJ)	(K. C. PUROHIT)	
Company Secretary	Director (Finance)	Chairman and Managing Director	

I Significant Accounting Policies

forming part of financial statements for the year ended 31st March 2013

A. Basis of Accounting

The financial statements are prepared under historical cost convention, on an accrual basis and in accordance with generally accepted accounting principles, accounting standards, relevant provisions of the Companies Act 1956, Electricity(Supply) Act, 2003 and Atomic Energy Act, 1962.

B. Inventories

Inventory consists of Operations & Maintenance (O&M) stores & spares which includes maintenance supplies, consumables and loose tools awaiting use, to be consumed in the operations & maintenance process.

Spares which can be used only in connection with particular items of fixed assets & whose use is expected to be irregular are considered as capital spares/Insurance Spares and capitalised as Fixed Assets .

Stores & spares are valued at lower of cost / engineers estimate (where costs are not ascertainable) or net realisable value. 'Costs' include 'cost of purchase' and 'cost of conversion', including incidentals like freight, octroi etc.

Issue of stores & spares including inter unit transfer of stock and closing stocks are valued at monthly moving weighted average.

O&M stores & spares, including consumable stores and loose tools, are charged to revenue expenditure at the time of issue.

Non moving and slow moving items of inventory are subjected to continuous technical monitoring. Diminution in value of obsolete and unserviceable stores and spares is ascertained on review and provided for.

C. Prior Period Items

Prior period items are incomes or expenses, which arise in the current period as a result of 'errors' or 'omissions' in the financial statements prepared in earlier years. Effects of changes in estimates are not treated as omission or error.

D. Depreciation/Amortisation

Depreciation on fixed assets is provided on straight line method, on the capitalised cost, at the rates specified in Schedule XIV of The Companies Act, 1956 to the extent of 95% except for Computers and Peripherals including Software.

Cost of Computers and Peripherals are depreciated on Straight Line Method over a period of 5 years to the extent of 95%.

Individual Assets costing upto ₹ 5000/- are fully depreciated in the year of acquisition.

Depreciation on assets added on or after April 1, 2004 is provided on prorata basis with reference to the date of addition. Assets added prior to April 1, 2004 were depreciated with effect from start of subsequent financial year.

Assets acquired on lease arrangement are depreciated at the respective rate of depreciation applicable to asset or written off over lease period – whichever is higher. Leasehold land is amortised over the period of lease.

E. Revenue Recognition

Revenue is recognised on accrual basis and when its collection or receipt is reasonably certain.

E.1 Sale of Electrical Energy

Revenue on sale of electrical energy is recognised net of levies and is on the basis of the net units exported to beneficiaries at tariff notified by DAE. In cases where tariff is not notified, the same is recognised in Accounts at provisional tariff subject to final notification of tariff.

In case the Power Purchase Agreement with any beneficiaries has expired, pending renewal of the same, rebates are accounted for in accordance with the old Power Purchase Agreement.

Delayed payment charges / Surcharge on late or non payment of dues by Sundry Debtors for Sale of Energy is not treated accrued due to uncertainty of its realisation and is therefore accounted for on its receipt.

E.2 Consultancy Income

Income from consultancy services is accounted for on the basis of actual progress/technical assessment of work executed in line with the terms of respective consultancy contracts.

E.3 Sale of scrap is accounted for as & when the sale is completed.

E.4 Liquidated Damages

Liquidated damages recovered from suppliers/contractors are recognised as income at the time of final settlement. Till such time they are shown under liabilities.

E.5 Claims lodged with insurance companies & others, are accounted for as & when these are settled by the concerned agencies.

F. Fixed Assets

Fixed assets taken over from the Department of Atomic Energy (DAE), Government of India (GOI), are recorded at the cost available from records of DAE or Engineers estimates - where ever costs are not ascertainable.

All fixed assets acquired/constructed by the Corporation thereafter are capitalised at cost of acquisition/construction/fabrication/erection or on engineers' estimates where ever the actual cost is not available.

The cost of fixed asset comprises its purchase price and any attributable costs of bringing the asset to its working condition for its intended use.

Item(s) retired from active use and held for disposal, is stated at its 'net book value or net realisable value, which ever is lower'.

Assets acquired on lease: Lease premium paid and other costs incurred for acquiring lease rights of assets, is treated as cost of the lease hold asset.

For Joint Ownership: Wherever ownership is available, such assets are capitalised

In case of receipt of Contribution: At cost, net of contribution from other parties

In case of payment of Contribution: At Contribution so paid to other parties.

Wherever Ownership is not available, payments made are treated as revenue expenditure and charged to the Statement of Profit & Loss.

Intangible Assets

Software which is not an integral part of related hardware, is treated as intangible asset and is amortised on straight line method over a period of five years or its licence period, whichever is less.

Research & Development

Expenditure on acquisition of fixed assets for R&D is included in fixed assets and depreciation thereon is provided as applicable. Revenue expenditure on research & development (R&D) is charged to the Statement of Profit & Loss in the year the expenditure is incurred.

G. Capital Work-in-Progress

Capital work in progress (CWIP) includes all expenditure for acquisition and construction of assets. Such expenditure includes cost of preparing project report, conducting feasibility study, land survey and location study etc. CWIP also includes all direct incidental expenditure during construction (EDC). All common costs are allocated on a rational basis. EDC is allocated on prorata basis to the assets capitalised on commencement of commercial operation.

Major Renovation, modernisation and Up gradation of Units at Stations needing long shut down resulting in increased efficiency of the unit are considered as projects.

All direct expenditure during such major renovation, modernisation & upgradation is considered as 'CWIP' and capitalised on its completion.

H. Reserves and Surplus

Levy collected from beneficiaries for decommissioning of power plants is credited to Decommissioning Fund account. Amounts appropriated from Research & Development Fund (R&D Fund) and Renovation & Modernisation Fund (R&M Fund) towards capital expenditure is transferred from these funds to Capital Reserve and attributable amounts towards revenue expenditure is transferred from R&D Fund to the Statement of Profit & Loss. Interest earned on respective Fund investments and income tax paid are also adjusted in the said Funds.

I. Foreign Exchange Transactions

Foreign currency transactions are initially recorded at rates of exchange ruling at the date of transaction.

At Balance Sheet date, foreign exchange monetary items are reported using the closing rate. Non-monetary items denominated in foreign currency are reported at the exchange rate ruling on the date of transaction. Exchange difference arising from settlement/translation of Long Term Foreign Currency Monetary Items relating to fixed assets/capital work in progress (whether treated as borrowing cost or otherwise) are adjusted in the carrying cost of related assets. Other exchange difference are recognised as income or expense in the period in which they arise.

In terms of MCA Notification No.G.S.R. 225 (E) dated 31.03.2009 as amended by Notification No. 914 (E) dated 29.12.2011, Corporation exercised the option as given in the said Notification. Exchange rate variation (ERV) arising from settlement / translation of Long Term Foreign Currency Monetary Items, in so far as it relates to the acquisition / construction of capital assets (whether treated as borrowing cost or otherwise) have been adjusted in the carrying cost of the related capital assets / CWIP. Balance ERV, i.e. not related to acquisition / construction of capital assets is being accumulated in the 'Foreign Currency Monetary Item Translation Difference Account' (FCMITD) and amortised / adjusted over the balance period of such long term loan not beyond 31.03.2020.

J. Investments

Long term Investments (Non-Current) are stated at cost after deducting provision, if any made for permanent diminution in the values.

Current Investments are stated at lower of cost and market/fair value.

K. Employee Benefits

K.(i) DAE/GOI Employees

Leave salary, pension contribution and Provident Fund contributions in respect of employees on deputation from DAE/GOI are paid to DAE/GOI in accordance with the norms prescribed by DAE/GOI.

Pension contribution in respect of employees who have opted for combined pension, is paid to DAE/GOI, in accordance with the norms prescribed by DAE/GOI.

K.(ii) Corporation Employees

Contribution to Provident Fund is defined contribution scheme and contributions are charged to the Statement

of Profit & Loss of the year when the contribution to the fund are due.

Liability on account of gratuity, long term earned leave, half pay leave, and post retirement medical benefits are defined benefit obligations and are determined on the basis of actuarial valuation made at the end of each financial year and provided for in the books of accounts. Leaves encashed during the year are charged to the Statement of Profit & Loss.

Actuarial gains/losses are recognised in the Statement of Profit and Loss.

Provision for ex-gratia is made as per orders of Govt. of India. Incentives are provided as per the schemes adopted by the Corporation, as applicable from time to time.

L. Borrowing Costs

Borrowing cost includes interest, commitment charges, brokerage, underwriting costs, discounts/ premiums, financing charges, exchange difference to the extent they are regarded as interest costs and all ancillary /incidental costs incurred in connection with the arrangement of borrowing.

Borrowing costs which are directly attributable to acquisition/construction of a fixed asset, are capitalised as a part of cost pertaining to that asset. Other borrowing costs are considered as an expenditure in the period in which these are incurred and are charged to the Statement of Profit & Loss or EDC – as the case may be.

M. Taxation

Tax expense comprises of current tax and deferred tax charged to the Statement of Profit and Loss for the year. Current tax includes Income Tax and Wealth Tax.

Provision for Income tax is made on the basis of estimated taxable income for the current accounting year in accordance with the Income Tax Act, 1961. Provision for Wealth Tax is made in accordance with Wealth Tax Act, 1957.

The deferred tax is recognised on timing differences between the book profit and taxable profit for the year. It is accounted for by applying the tax rates and the tax laws that have been enacted or substantively enacted as on the balance sheet date. Deferred tax assets arising from timing differences are recognised to the

extent there is reasonable certainty that the assets can be realised in future.

Deferred tax assets in case of unabsorbed losses and unabsorbed depreciation are recognised only if there is virtual certainty that such deferred tax asset can be realised against future taxable profits.

N. Provisions, Contingent Assets and Contingent Liabilities

Contingent Liabilities in respect of show cause notices received are considered only when they are converted into demands and contested / contestable.

Contingent Liabilities under various fiscal laws include those in respect of which the Corporation/ Department is in appeal.

Contingent Assets are neither recognised, nor disclosed.

Provisions and Contingent liabilities are reviewed at each Balance sheet date and adjusted to reflect the current management estimate.

O. Allocation of Head Office Expenditure

Identifiable expenses of Head Office are directly transferred to the respective locations. Expenditure incurred for rendering services for project related activities are allocated to the Projects, and expenditure incurred for rendering services for station related activities are allocated to the Stations.

Expenditure incurred to projects at Head Office is allocated to projects in equal proportion. The Head Office expenditure related to stations is allocated to stations in equal proportion.

Unidentifiable expenses are charged to the Statement of Profit & Loss.

P. Cash Flow Statement

Cash Flow Statement is prepared in accordance with the indirect method prescribed in Accounting Standard (AS) 3 on "Cash Flow Statements".

II NOTES FORMING PART OF THE FINANCIAL STATEMENTS

for the year ended 31st March 2013

1. Share Capital

Particulars	(₹ in Crore)	
	As at 31 st March 2013	As at 31 st March 2012
Authorised Share Capital		
15,00,00,000 Equity shares of ₹ 1,000/- each	15,000.00	15,000.00
Issued, Subscribed and Paid up Share Capital		
10,17,43,327 (Previous year 10,17,43,327) Equity Shares of ₹ 1,000/- each fully paid up	10,174.33	10,174.33
TOTAL	10,174.33	10,174.33

- (i) The Corporation is a Government Company with 100% share holding by the President of India and nominees, through administrative control of Department of Atomic Energy (DAE). The Corporation has only one class of shares having par value of ₹ 1,000/- each with equal rights for Dividend and Vote.
- (ii) During the previous financial year 2011-12, 2.90 lacs fully paid up Equity Shares of ₹ 1,000/- each had been issued at par by utilising / converting the interest free loan from Government of India (GOI) in terms of GOI approval dated 27th September 2011.
- (iii) Reconciliation of number of shares outstanding at the beginning and end of the reporting period are given below:

Particulars	2012-13	2011-12
Equity Shares at the beginning of the period	101,743,327	101,453,327
Add : Equity Shares Allotted during the period	-	290,000
Equity Shares at the end of the period	101,743,327	101,743,327

- (iv) The Board of Directors has recommended a final dividend @ 30 percent (Previous Year - 30 percent) of Profit After Tax (PAT) of the Corporation. This amounts to ₹ 630.30 crore (Previous Year ₹ 571.85 crore), including interim dividend of ₹ 308.15 crore (Previous Year ₹ 280.00 crore). Applicable dividend distribution tax has been paid / payable of ₹ 104.74 crore (Previous Year ₹ 92.77 crore).

II NOTES FORMING PART OF THE FINANCIAL STATEMENTS

for the year ended 31st March 2013

2. Reserves and Surplus

Particulars	(₹ in Crore)	
	As at 31 st March 2013	As at 31 st March 2012
CAPITAL RESERVE		
Balance as per last Balance Sheet	620.92	602.15
Add : Transferred from Research & Development Fund	32.35	20.74
	653.27	622.89
Less : Depreciation on R&D Assets for Current Year	2.25	1.97
	651.02	620.92
See description Note (i)		
BOND REDEMPTION RESERVE		
Balance at the beginning & end of Reporting Period	800.00	800.00
Add : Transferred from Surplus	254.70	-
	1,054.70	800.00
See description Note (ii)		
DECOMMISSIONING FUND*		
Balance as per last Balance Sheet	1,065.04	920.22
Add : Levy for the year	59.08	58.25
Add : Reversal / Refund of Income Tax	-	27.89
Add : Interest on Fund Investments	99.63	86.44
Add : Interest on Income Tax Refund	-	1.79
	1,223.75	1,094.59
Less : Payment of Income Tax	31.76	29.55
	1,191.99	1,065.04
See description Note (iii)		
RENOVATION AND MODERNISATION FUND*		
Balance as per last Balance Sheet	10.75	1.89
Add : Reversal / Refund of Income Tax	-	8.59
Add : Interest on Fund Investments	0.79	0.14
Add : Interest on Income Tax Refund	-	0.21
	11.54	10.83
Less : Payment of Income Tax	0.16	0.08
	11.38	10.75
See description Note (iii)		
RESEARCH AND DEVELOPMENT FUND*		
Balance as per last Balance Sheet	297.31	297.83
Add : Reversal / Refund of Income Tax	-	7.39
Add : Interest on Fund Investments	23.06	23.27
Add : Interest on Income Tax Refund	-	0.35
	320.37	328.84
Less : Transferred to Capital Reserve	32.35	20.74
Less : Payment of Income Tax	4.61	4.78

II NOTES FORMING PART OF THE FINANCIAL STATEMENTS

for the year ended 31st March 2013

Less : Transfer to P&L	7.28	6.01
	276.13	297.31
See description Note (iii)		
GENERAL RESERVE		
Balance as per last Balance Sheet	10,700.75	9,700.75
Add : Transferred from Surplus	1,000.00	1,000.00
Balance at the end of Reporting Period	11,700.75	10,700.75
SURPLUS		
Opening Balance	1,758.97	1,516.42
Add : Transfer from Statement of Profit & Loss	2,100.99	1,906.15
Add : Transfer of Excess provision of Dividend Distribution Tax	-	1.02
	3,859.96	3,423.59
Less : Transfer to Bond Redemption Reserve	254.70	-
Less : Interim Dividend paid	308.15	280.00
Less : Tax on Interim Dividend paid	49.99	45.42
Less : Proposed Dividend	322.15	291.85
Less : Tax on Proposed Dividend	54.75	47.35
Less : Transfer to General Reserve	1,000.00	1,000.00
	1,870.22	1,758.97
Foreign Currency Monetary Item Translation Difference Account (FCMITD)	-	(15.25)
See description Note (iv)		
TOTAL	16,756.19	15,238.49

* Specifically represented by Earmarked Investments (refer Note No. 13, 19, 19A and 21)

- (i) The Capital Reserve has been created by transferring the amount on utilisation of Renovation & Modernisation Fund and Research & Development Fund for approved & sanctioned Capital Expenditure of the respective funds as per the approval & sanction of the Government of India (GOI) .
- (ii) The Bond Redemption Reserve has been created against the balance Redemption Liability of Secured Bonds issued by the Corporation as per prevailing statutory requirement.
- (iii) (a) Vide Notification no. DAE/OM/No.-3/10(17)/87-PP dated December 22, 1988, the Corporation is collecting levy from beneficiaries for Decommissioning of power plants, on behalf of DAE and the levy is credited to Decommissioning Fund account, as required by the notifications. During the year, Decommission Fund levy aggregating to ₹ 59.08 crore (Previous year ₹ 58.25 crore) has been collected on the basis of net units exported to the beneficiaries & others, as per tariffs notified by DAE.
- (iii) (b) Regular Interest earned on the fund's investments and income tax thereon are adjusted in the respective Funds, viz., (1) Renovation & Modernisation Fund, (2) Research and Development Fund, and (3) Decommissioning Fund. Presently, the collection for Renovation & Modernisation Fund and Research & Development Fund has been stopped as per the Govt. directives /notification. The utilisation of all the three Funds have been made as per the requirement of respective notification.
- (iii) (c) Income tax demanded / Refunded by Income Tax Department on levies collected from beneficiaries for Decommissioning, Renovation & Modernisation and Research & Development Fund and also the interest earned / paid thereon on respective fund investments are adjusted to the respective Fund. However the Corporation has disputed such demand before the appropriate Appellate Authorities under Income Tax Act, 1961.

II NOTES FORMING PART OF THE FINANCIAL STATEMENTS

for the year ended 31st March 2013

(iv) (a) In terms of MCA Notification No. GSR 225(E) dated 31.03.2009 as amended by Notification No. 914 (E) dated 29.12.2011, the Corporation has exercised the option as mentioned in Accounting Policy No. I. Accordingly, during the previous financial year 2011-12, a sum of ₹ 15.39 crore had been accumulated in FCMITD on account of Exchange Rate Variation on unutilised External Commercial Borrowing. Out of this amount, ₹ 0.14 crore was amortised during the year 2011-12 and ₹ 15.25 crore remained unamortised as on 31.03.2012. The ECB was obtained / arranged to meet the on going requirement of capital expenditure. During the financial year 2012-13, the total ECB arranged has been fully utilised for the requirement of capital expenditure. Accordingly, the unamortised FCMITD of ₹ 15.25 crore has been transferred to CWIP in terms of said notification, which inter-alia states that the exchange differences arising on reporting of long term foreign currency monetary items at rates different from those at which they were initially recorded during the period, or reported in previous financial statements, in so far as they relate to the acquisition of a depreciable capital assets, can be added to or deducted from cost of the asset.

(iv) (b) Refer note no. 3 (vi)

3. Long Term Borrowings

(i) Long Term Borrowings are given below:

Sr. No.	Particulars	(₹ in Crore)	
		As at 31 st March 2013	As at 31 st March 2012
A.	Secured Borrowings - Bonds:		
	Redeemable Non-Cumulative Scheme (Face value of ₹ 1.00 lacs & ₹ 10.00 lacs each)	3,179.62	2,718.62
	See description Note (ii)		
B.	Secured Borrowings - Term Loans from Banks	5,786.00	5,786.00
	See description Note (iii)		
C.	Un-Secured Borrowings:		
	i) From Department of Atomic Energy - G.O.I Russian Credit - Loan KK Project	4,824.73	5,047.49
	ii) Foreign Currency Loan - External Commercial Borrowing from State Bank of India, Singapore Branch	1,370.00	901.78
	See description Note (iv), (v) & (vi)	6,194.73	5,949.27
	TOTAL	15,160.35	14,453.89

(ii) (a) Descriptive details for "Bonds" - Secured Borrowings:

SECURED BORROWINGS - BONDS

Sr. No.	Series	Particulars	Face Value (in Lacs)	Redeemable on	(₹ in Crore)	
					As at 31 st March 2013	As at 31 st March 2012
1	XXVII	8.54% & 8.56% with bullet redemption at the end of 10 th year	10.00	15-03-2023 & 18-03-2023	1,500.00	-
2	XXV	Floating Rate Bonds with +189 bps markup to the Benchmark Interest rate (1 year G-Sec-Semiannual) with annual reset & bullet Redemption at the end of 10 th year .	10.00	16-11-2019	650.00	650.00

II NOTES FORMING PART OF THE FINANCIAL STATEMENTS

for the year ended 31st March 2013

3	XXVI	8.50% with bullet Redemption at the end of 10 th year	10.00	16-11-2019	700.00	700.00
4	XXIV	4.75% Tax-free with Put / Call Option on 26/03/2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017 & 2018.	10.00	26-03-2019	9.20	9.20
5	XV	8.25% Tax-free with Put & Call option at par on 06-01-2008, 2009, 2010, 2011, 2012, 2013, 2014 & 2015	1.00	06-01-2016	45.42	45.42
6	XXIII	5.25% Taxable Infrastructure with Put / Call Option on 23/03/2009,2010, 2011, 2012 & 2013	10.00	23-03-2014	95.00	95.00
7	XXII	6.10% Taxable with bullet redemption at the end of 10 th year	10.00	15-03-2014	820.00	820.00
8	XXI	5.75% Infrastructure with Put & Call option at par on 14.08.2010, 2011, 2012	1.00	14-08-2013	69.00	69.00
9	XIX	5.30% Tax-free with Put & Call option at par on 31-12-2007, 2008, 2009, 2010 & 2011	1.00	31-12-2012	-	25.00
10	XX	6.15% Taxable - Redeemable at equal installment of ₹ 55.00 crore each, Repayable on 14.08.2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017 and 2018	1.00	14-08-2018	330.00	385.00
					4,218.62	2,798.62
Less : Current Maturities of Long Term Borrowings (Carried to Note - 9)						
1	XIX	5.30% Tax-free with Put & Call option at par on 31-12-2007, 2008, 2009, 2010 & 2011	1.00	31-12-2012	-	25.00
2	XX	6.15% Taxable - ₹ 55.00 crore - Fourth Installment/series repayable on 14/08/2013 (for previous year on 14/08/2012)	1.00	14-08-2013 & 14-08-2012	55.00	55.00
3	XXI	5.75% Infrastructure with Put & Call option at par	1.00	14-08-2013	69.00	-
4	XXII	6.10% Taxable with bullet redemption at the end of 10 th year	10.00	15-03-2014	820.00	-
5	XXIII	5.25% Taxable Infrastructure with Put / Call Option on 23/03/2009,2010, 2011, 2012 & 2013	10.00	23-03-2014	95.00	-
See description Note (ii)-(b) & (ii)-(c.)					1,039.00	80.00
SUB-TOTAL (I)					3,179.62	2,718.62

(ii) (b) Bonds redeemed during the Period through Put / Call Options are given below:

Redemption during the Period		(₹ in Crore)	
		2012-13	2011-12
1)	Full Redemption of Sr. XIX (5.30%) Bonds, CY - 31/12/2012 (PY Nil)	25.00	-
2)	Part Redemption of Sr. XX (6.15%) Bonds, CY - 14/08/2012 (PY 14/08/2011)	55.00	55.00
TOTAL		80.00	55.00

(ii) (c) Following series of Bonds are secured by way of Trusteeship Agreement coupled with covenants of negative lien and irrevocable power of attorney in favour of Trustees to create equitable mortgage over the fixed assets.

Bonds' Series	Secured by Fixed Assets of'
XX & XXI	Rajasthan Atomic Power Station - Unit 3&4
XV	Kaiga Atomic Power Station - Unit 1&2

II NOTES FORMING PART OF THE FINANCIAL STATEMENTS

for the year ended 31st March 2013

XXII, XXIII & XXIV	Tarapur Atomic Power Project - Unit 3&4
XXV & XXVI	Kaiga Atomic Power Station - Unit 3&4 and Rajasthan Atomic Power Station - Unit 5&6
XXVII	Kakrapar Atomic Power Station - Unit 3&4 and Rajasthan Atomic Power Station - Unit 7&8

(iii) (a) "Long Term Borrowings" payable within 12 months from the reporting date, as per offer term, are reduced from "Long Term Borrowing" and disclosed separately under "Other Current Liabilities". Current maturity of Long Term Borrowing is worked out considering the due Redemption date as per the original Offer document/agreement and excluding the optional liability exercisable under the PUT / CALL Options attached to respective Bonds / Term Loans.

(iii) (b) Descriptive details of "Term Loans from Banks" - Secured Borrowings:

Sr. No.	Particulars	Redeemable on	As at	
			31 st March 2013	31 st March 2012
I	CANARA BANK (i) With bullet repayment after 10 years, (ii) Floating Rate - G-Sec. Rate (+) 30bps, reset at the end of each year (iii) Secured by negative lien of asset of MAPS	28.10.2015	130.00	130.00
II	CANARA BANK (i) With bullet repayment after 10 years, (ii) Floating Rate -G-Sec. Rate (+) 30bps, reset at the end of each year (iii) Secured by negative lien of asset of TAPS-3&4	28.10.2015	456.00	456.00
III	DENA BANK (i) With bullet repayment after 5 years, (ii) Floating Rate-BPLR' Rate (-) 4.56%, reset at the end of each year (iii) Secured by negative lien of asset of KK 1&2	29.06.2015	250.00	250.00
IV	BANK OF INDIA (i) With bullet repayment after 5 years, (ii) Floating Rate-BPLR' Rate (-) 3.81%, reset at the end of each year, (iii) Secured by negative lien of asset of KK-1&2 and KAPP-3&4	28.06.2015	500.00	500.00
V	BANK OF INDIA (i) With bullet repayment after 5 years, (ii) Floating Rate-BPLR' Rate (-) 4.06%, reset at the end of each year, (iii) Secured by negative lien of asset of KAIGA-3&4	14.06.2015	1,000.00	1,000.00
VI	STATE BANK OF INDIA (i) With bullet repayment after 5 years, (ii) Floating Rate -SBRAR' Rate (-) 3.81%, reset at the end of each year, (iii) Secured by negative lien of asset of KAIGA-3&4 and RAPS-5&6	31.05.2015	250.00	250.00
VII	STATE BANK OF INDIA (i) With bullet repayment after 5 years, (ii) Floating Rate - SBRAR' Rate (-) 3.81%, reset at the end of each year, (iii) Secured by negative lien of asset of KK-1&2	31.05.2015	1,000.00	1,000.00
VIII	STATE BANK OF INDIA (i) With bullet repayment after 10 years, (ii) Floating Rate- G-Sec. Rate (+) 50bps reset at the end of each year, (iii) Secured by negative lien of asset of TAPS-3&4	28.03.2015	700.00	700.00

(₹ in Crore)

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IX STATE BANK OF INDIA	26.02.2015	250.00	250.00
(i) With bullet repayment after 5 years, (ii) Floating Rate-SBAR' Rate (-) 3.81%, reset at the end of each year, (iii) Secured by negative lien of asset of KAIGA-3&4			
X STATE BANK OF INDIA	24.12.2014	500.00	500.00
(i) With bullet repayment after 5 years, (ii) Floating Rate-SBAR' Rate (-) 3.81%, reset at the end of each year, (iii) Secured by negative lien of asset of KAIGA-3&4			
XI BANK OF INDIA	14.12.2014	500.00	500.00
(i) With bullet repayment after 5 years, (ii) Floating Rate -BPLR' Rate (-) 4.06%, reset at the end of each year, (iii) Secured by negative lien of asset of KAIGA-3&4 and RAPS-5&6			
XII DENA BANK	10.12.2014	250.00	250.00
(i) With bullet repayment after 5 years, (ii) Floating Rate -BPLR' Rate (-) 4.56%, reset at the end of each year, (iii) Secured by negative lien of asset of RAPS-5&6			
XIII BANK OF MAHARASHTRA	13.03.2013	-	200.00
(i) With bullet repayment after 5 years, (ii) Floating Rate -G-Sec. Rate (+) 100bps, reset at the end of each year, (iii) Secured by negative lien of asset of Kaiga-3&4			
XIV BANK OF MAHARASHTRA	07.03.2013	-	200.00
(i) With bullet repayment after 5 years, (ii) Floating Rate -G-Sec. Rate (+) 100bps, reset at the end of each year, (iii) Secured by negative lien of asset of Kaiga-3&4			
TOTAL (I TO XIV)		5,786.00	6,186.00
Less : Current Maturities on Redemption as per term of offer - Term Loan (Carried to Note - 9)			
a) BANK OF MAHARASHTRA	13.03.2013	-	200.00
b) BANK OF MAHARASHTRA	07.03.2013	-	200.00
	see description Note (iii)-(c)	-	400.00
SUB TOTAL (II)		5,786.00	5,786.00

(iii) (c) Term Loan repayable, with in 12 months from the Reporting date, as per offer term, are deducted from "Long Term Borrowing - Term Loan From Banks" and disclosed separately under "Other Current Liabilities".

(iv) (a) DAE loan (Russian credit) represents funds provided by DAE to NPCIL on account of credit extended by Government of Russian Federation to Government of India (GOI). The applicable rate of interest is 4% p.a. and exchange fluctuation on repayment of loan shall be borne by the Corporation. The loan was utilised to pay for supplies / erection / assistance in terms of various contracts entered into with M/s Atomstroyexport for setting up two units of 1,000 MWe each at Kudankulam (KK). As per the repayment procedure, funds are deposited by the Corporation with Controller of Aid Accounts & Audit (CAA&A) / DAE for repayment of Russian Credit.

(iv) (b) Details of Un-Secured Borrowings - DAE Loan (Russian Credit) are given below:

Particulars	2012-13	2011-12
Balance at the end of the year	5,834.80	6,047.29
Less : Amount deposited with CAA&A	440.79	467.12

(₹ in Crore)

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for the year ended 31st March 2013

Net Balance of Loan	5,394.01	5,580.17
Less : Amount Payable within a period of 12 months (Carried to Note- 9)	569.28	532.68
CLOSING BALANCE	4,824.73	5,047.49

(iv) (c) The Russian Credit shall be repayable in 14 installments as under:

Loan Unit - I - 14 Installments starting from Financial Year 2008-09.

Loan Unit - II - 14 Installments starting from Financial Year 2009-10.

(v) (a) External Commercial Borrowings (ECB) represents the mobilisation of debt to meet the requirement of capital expenditure for the procurement of capital equipments for various sites such as KKNPP 1&2, KKNPP 3&4, KAPS 3&4 and RAPP 7&8. The ECB has been arranged from State Bank of India Singapore Branch. The applicable rate of interest is LIBOR + Margin (Predetermined spread of 2.35%). The total ECB sanctioned and fully withdrawn till 31/03/2013 is 250 million US \$ (i.e. 83 million US \$ in Trench A facility and 92 million US \$ & 75 million US \$ in Trench B facility).

(v) (b) The ECB is repayable as under:

a) Under Trench A facility (83 million US \$) : At the end of 5 years from the first utilisation date i.e. 29/02/2012.

b) Under Trench B facility (167 million US \$) : In two installments at the end of 6th & 7th year from the first utilisation date i.e. 29/03/2012.

(vi) Treatment of Exchange Rate Variation (ERV) in the Financial Statements

In terms of MCA Notification No.G.S.R. 225 (E) dated 31.03.2009 as amended by Notification No. 914 (E) dated 29.12.2011, Corporation exercised the option as mentioned in Accounting Policy No. I, the detailed disclosure is summarised as under:

a) On Russian Credit

Particulars	(₹ in Crore)	
	2012-13	2011-12
Total ERV Loss / (Income) for the year*	353.36	801.74
Less : ERV regarded as adjustment to interest cost (KK)	-	388.54
Balance ERV adjusted to carrying cost of CWIP (KK)	353.36	413.20

b) On External Commercial Borrowing

Particulars	(₹ in Crore)	
	2012-13	2011-12
Total ERV Loss / (Income) for the year*	69.28	23.72
Less : ERV regarded as adjustment to interest cost**	-	3.69
Balance ERV to be adjusted***	69.28	20.03

* MCA vide its circular no. 25/2012 dated 09.08.2012 has clarified that para 4(e) of Accounting Standard 16 relating to "Borrowing Costs" shall not apply to a company which has exercised the option granted by Notification No. 914 (E) dated 29.12.2011. Accordingly, the ERV pertaining to Financial Year 2012-13 has not been regarded as adjustment to the borrowing cost to the extent mentioned in the AS - 16 for accounting treatment and disclosure.

** During the previous financial year 2011-12, out of ₹ 3.69 crore regarded as borrowing cost, ₹ 1.36 crore adjusted in the carrying cost of capital assets / CWIP of related projects and balance ₹ 2.33 crore not related to acquisition / construction of Capital Assets was charged as expenditure (Note No. 27).

II NOTES FORMING PART OF THE FINANCIAL STATEMENTS

for the year ended 31st March 2013

(ii) The Details of liabilities to Micro, Small and Medium Enterprises, to the extent information available with the Corporation are given under. These liabilities are not due for payment as per the contractual term of payment.

(₹ in Crore)

Due to MSME Enterprise	As at 31 st March 2013	As at 31 st March 2012
1. The principal amount and the interest due thereon (to be shown separately) remaining unpaid to any supplier as at the end of the accounting year (No amount is due for more than 45 days & Interest due ₹ Nil).	0.00	0.31
2. The amount of interest paid by the buyer in terms of Section 16 of the Micro Small and Medium Enterprise Development Act, 2006, alongwith the amounts of the payment made to the supplier beyond appointed day during the accounting year	0.00	0.00
3. The amount of interest due and payable for the period of delay in making payment (which have been paid but beyond the appointed day during the year) but without adding the interest specified under Micro Small and Medium Enterprise Development Act, 2006	0.00	0.00
4. The amount of interest accrued and remaining unpaid at the end of the accounting year	0.00	0.00
5. The amount of further interest remaining due and payable even in the succeeding years. Until such date when the interest dues as above are actually paid to the small enterprise for the purpose of Disallowance as a deductible expenditure under Section 23 of the Micro Small and Medium Enterprise Development Act, 2006	0.00	0.00
TOTAL	0.00	0.31

6. Long Term Provisions

(i) Details of Long Term Provisions:

(₹ in Crore)

Particulars	As at 31 st March 2013	As at 31 st March 2012
1. Provisions for Employee Benefits		
Gratuity	305.97	242.62
Leave Encashment	276.48	198.29
Other Employee Benefits	262.51	199.25
	844.96	640.16
Less : Provisions payable within 12 months (Carried to Note -10)	50.05	50.88
	Refer Note 33	794.91
	794.91	589.28
2. Other Provisions	-	-
TOTAL	794.91	589.28

II NOTES FORMING PART OF THE FINANCIAL STATEMENTS

for the year ended 31st March 2013

7. Short Term Provisions

(i) Details of Short Term Borrowings are as under:

Particulars	(₹ in Crore)	
	As at 31 st March 2013	As at 31 st March 2012
A. Secured Borrowings		
i) Loans repayable on demand	-	-
From Banks	-	-
From other parties	-	-
ii) Loans & Advances from Related Parties	-	-
iii) Deposits	-	-
iv) Other Loans & Advances	-	-
B. Un-Secured Borrowings		
i) Loans repayable on demand	-	-
From Banks	-	-
From other parties	-	-
ii) Loans & Advances from Related Parties	-	-
iii) Deposits	-	-
iv) Other Loans & Advances	-	-
TOTAL	-	-

8. Trade Payables

(i) Summary of Trade Payables:

Particulars	(₹ in Crore)	
	As at 31 st March 2013	As at 31 st March 2012
1. Trade Payable		
Amount due to Micro, Small & Medium Enterprises	1.97	1.28
Payable to Others	452.30	373.86
	see description Note (ii)	
TOTAL	454.27	375.14

(ii) The Details of liabilities to Micro, Small and Medium Enterprises, to the extent information available with the Corporation are given under. These liabilities are not due for payment as per the contractual term of payment.

Due to MSME Enterprise	(₹ in Crore)	
	As at 31 st March 2013	As at 31 st March 2012
1. The principal amount and the interest due thereon (to be shown separately) remaining unpaid to any supplier as at the end of the accounting year (No amount is due for more than 45 days & Interest due ₹ Nil).	1.97	1.28
2. The amount of interest paid by the buyer in terms of Section 16 of the Micro Small and Medium Enterprise Development Act, 2006, alongwith the amounts of the payment made to the supplier beyond appointed day during the accounting year	0.00	0.00

II NOTES FORMING PART OF THE FINANCIAL STATEMENTS

for the year ended 31st March 2013

3. The amount of interest due and payable for the period of delay in making payment (which have been paid but beyond the appointed day during the year) but without adding the interest specified under Micro Small and Medium Enterprise Development Act, 2006	0.00	0.00
4. The amount of interest accrued and remaining unpaid at the end of the accounting year	0.00	0.00
5. The amount of further interest remaining due and payable even in the succeeding years. Until such date when the interest dues as above are actually paid to the small enterprise for the purpose of Disallowance as a deductible expenditure under Section 23 of the Micro Small and Medium Enterprise Development Act, 2006	0.00	0.00
TOTAL	1.97	1.28

9. Other Current Liabilities

(i) Details of Other Current Liabilities:

Particulars	(₹ in Crore)	
	As at 31 st March 2013	As at 31 st March 2012
1. Current Maturities of Long Term Debt / Borrowing (Carried from Note-3), (see description Note.(ii))	1,608.28	1,012.68
2. Interest accrued but not due on Borrowings (See description Note (iii))	232.78	160.19
3. Income Received in Advance	0.07	0.79
4. Unpaid/Unclaimed Bonds and Interest accrued thereon (See description Note (iv))	0.15	1.67
5. Other Payables (See description Note (v))	744.85	1,184.86
TOTAL	2,586.13	2,360.19

(ii) Details of Current Maturities of Long Term Debts:

Particulars	Redeemable On	(₹ in Crore)	
		As at 31 st March 2013	As at 31 st March 2012
A. Current maturity of Bonds (excluding Put/Call options):			
5.30% Tax-free with put & call option at par	31-12-2012	-	25.00
6.15% Taxable - ₹ 55.00 crore - Fourth Installment / Series	14-08-2013 & 14-08-2012	55.00	55.00
5.75% Infrastructure with Put & Call option at par	14-08-2013	69.00	-
6.10% Taxable with bullet redemption at the end of 10 th year	15-03-2014	820.00	-
5.25% Taxable Infrastructure with Put / Call Option	23-03-2014	95.00	-
		1,039.00	80.00
B. Current maturity of Term Loans:			
1. From BANK OF MAHARASHTRA	13.03.2013	-	200.00
2. From BANK OF MAHARASHTRA	07.03.2013	-	200.00
		-	400.00
C. Current maturity of Russian Credit (Loan KK Project)			
		569.28	532.68
TOTAL		1,608.28	1,012.68

II NOTES FORMING PART OF THE FINANCIAL STATEMENTS

for the year ended 31st March 2013

(iii) Details of interest accrued but not due on Borrowing are given below:

Particulars	(₹ in Crore)	
	As at 31 st March 2013	As at 31 st March 2012
Interest Accrued but Not Due on Borrowing		
1. Interest on Bonds	130.22	74.13
2. Interest on Term Loan	31.63	25.68
3. Interest on Loan from DAE-Russian Credit-KK Project	57.57	58.99
4. Interest on ECB	13.36	1.39
TOTAL	232.78	160.19

(iv) Unpaid / Unclaimed Bonds and Interest accrued thereon includes the amount of Redeemed Bonds and Accrued Interest on those Bonds which remain Unclaimed / Unpaid till date. The total Unpaid amount is transferable to "Investors' Education and Protection Fund" on expiry of 7 years as per the requirement of Companies Act and related rules.

(v) Details of Other Payables are given below:

Particulars	(₹ in Crore)	
	As at 31 st March 2013	As at 31 st March 2012
1. Payable to DAE/DAE Undertakings*	267.59	635.51
2. Employee Liabilities	105.30	88.27
3. Payable to Statutory Authority - TDS & With-holding Tax	11.54	8.79
4. Other Liabilities	360.42	452.29
TOTAL	744.85	1,184.86

* Payable to DAE/DAE undertakings includes for Fuel & Heavy Water liability of ₹ 118.99 crore (Previous year ₹ 482.95 crore).

10. Short Term Provisions

(i) Details of Short Term Provisions are as under:

Particulars	(₹ in Crore)	
	As at 31 st March 2013	As at 31 st March 2012
1. Provision for Employee Benefits (Carried from Note - 6)		
Gratuity	16.04	14.31
Leave Encashment	12.17	15.61
Other Employee Benefits	21.84	20.96
	Refer Note .33	50.05
2. Other Provisions		
Income Tax*	-	-
Wealth Tax	1.50	1.20
Proposed Dividend	322.15	291.85
Tax on Proposed Dividend	54.75	47.35
TOTAL	428.45	391.28

* Refer foot Note to Note No. 20 (ii)

II NOTES FORMING PART OF THE FINANCIAL STATEMENTS

for the year ended 31st March 2013

11. Tangible and Intangible Assets

(i) Details of Tangible and Intangible Assets with Reconciliation of Gross & Net Carrying amount of each class of Assets at the beginning and end of the Reporting Period are given below, with separate disclosure for additions, and deductions/adjustment for each class of Assets.

FIXED ASSETS	GROSS BLOCK			DEPRECIATION/OBSELENCE LOSS			NET BLOCK	
	AS AT	ADDITION	DEDUCTION	AS AT	FOR THE	AS AT	AS AT	AS AT
	01.04.2012		ADJUST.	31.03.2013	YEAR	31.03.2013	31.03.2013	31.03.2012
A. TANGIBLE ASSETS:								
LAND (Free Hold)	159.74	0.48	0.00	160.22	0.00	0.00	160.22	159.74
LAND (Lease Hold)	0.59	0.00	0.00	0.59	0.01	0.00	0.51	0.52
BUILDINGS (Free Hold)	1,251.16	44.11	0.07	1,295.20	21.24	(0.19)	1,077.55	1,054.94
BUILDINGS (Lease Hold)	7.88	0.00	0.00	7.88	0.10	0.00	3.66	3.76
PLANT AND EQUIPMENTS	19,649.66	190.61	7.76	19,832.51	940.96	(1.12)	10,668.72	11,427.95
FURNITURE & FIXTURES	112.95	9.73	(0.45)	123.13	6.15	0.02	50.20	46.16
VEHICLES	15.00	3.85	0.88	17.97	0.91	0.83	7.25	4.36
OFFICE EQUIPMENT	240.37	20.61	(3.25)	264.23	151.76	(1.97)	98.18	88.60
OTHERS - RAILWAY SIDINGS	0.34	0.00	0.00	0.34	0.00	0.00	0.02	0.02
TOTAL TANGIBLE ASSETS:	21,437.69	269.39	5.01	21,702.07	981.69	(2.43)	12,066.31	12,786.04
B. ASSETS HELD FOR DISPOSAL	0.02	0.15	0.01	0.16	0.00	(0.14)	0.02	0.02
TOTAL TANGIBLE ASSETS: (A+B)	21,437.71	269.54	5.02	21,702.23	981.69	(2.57)	12,066.33	12,786.06
C. INTANGIBLE ASSETS:								
SOFTWARE	9.69	2.79	(0.01)	12.49	4.93	0.00	5.99	4.76
TOTAL (A+B+C)	21,447.40	272.33	5.01	21,714.72	983.26	(2.57)	12,072.32	12,790.82
PREVIOUS YEAR TOTAL	21,336.61	129.16	18.37	21,447.40	976.38	(1.50)	12,790.82	13,657.91

(₹ in Crore)

II NOTES FORMING PART OF THE FINANCIAL STATEMENTS

for the year ended 31st March 2013

(ii) Intangible Assets includes Software.

(iii) Reconciliation of Depreciation charged to Statement of Profit and Loss is given below:

(₹ in Crore)

Depreciation for the Year ₹ 985.83 crore (Previous Year 2011-12 ₹ 977.88 crore) is reconciled as under	2012-13	2011-12
Depreciation charged to Profit & Loss	962.93	961.48
Add : Depreciation included under Expenses During Construction period pending allocation (Note.12 (v))	16.74	12.17
: Depreciation relating to prior period (Note. 29)	4.77	3.79
: Depreciation on R&D Assets (Note 2)	2.25	1.97
: Obsolesce Loss Trf. to prior period (Note 29)	0.00	0.00
Less : Deduction / Adjustments	0.86	1.53
TOTAL	985.83	977.88

(iv) Gross Block of Fixed Assets and related Accumulated Depreciation include the Value of assets taken over from DAE are accounted at their original cost and related accumulated depreciation based on its classification.

(v) (a) Land includes cost incurred on its development.

(b) Title deed of land owned by Tarapur Maharashtra Site (TMS) remains in name of erstwhile Tarapur Atomic Power Project.

(c) Title deed of land owned by Madras Atomic Power Station (MAPS) admeasuring 605.29 acres remains in name of DAE. This area of land was transferred by State Government to DAE at free of cost and later on, handed over by DAE to MAPS at free of cost.

(d) Land at Rawatbhata Rajasthan Site (RRS) includes:

i) 267.21 hectares of Revenue Department & Private land acquired for which title (Jamabandi) is available; and does not include:

ii) 393.58 hectares of Forest and Revenue Department land acquired on the condition that its legal status would remain unchanged;

iii) 983.40 hectares of forest land taken on notional rent of ₹ 1 per annum.

(vi) Building Includes ; (a) Lease premium in respect of premises taken on long lease at various places; (b) Proportionate cost in respect of buildings constructed on the land belonging to DAE & others, as per the respective arrangements/ understandings; (c) Buildings Constructed on Land belonging to DAE as per respective arrangements/ undertakings.

12. Capital Work in Progress

(i) Details of Capital Work in Progress are as under:

(₹ in Crore)

Particulars	As at 31 st March 2013	As at 31 st March 2012
Capital Work-in-Progress	12,198.96	10,978.73
See description Note (ii)		
Capital Goods and Stores	679.70	748.99
Less : Provision for Obsolescence/Loss	0.29	0.38
See description Note (iii)	679.41	748.61
Payment - Against Material Pending Acceptance		
Against Capital Expenditure Considered good	411.43	489.88
Against Capital Expenditure Considered doubtful	12.92	12.92

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for the year ended 31st March 2013

	424.35	502.80
Less : Provision for doubtful advances	12.92	12.92
See description Note (iv)	411.43	489.88
Expenditure - During Construction Pending Allocation	6,976.55	5,214.61
See description Note (v)		
Expenditure - on Upcoming Projects/ Sites	965.34	164.26
TOTAL	21,231.69	17,596.09

(ii) CWIP of Contracts & Materials Management division (C&MM) includes Materials lying with Fabricators amounting to ₹ 249.05 crore (Previous year ₹ 261.85 crore).

(iii) (a) **Capital Goods and Stores stated above includes Goods in Transit and Goods lying with Contractors. The value of these items are given below:**

Particulars	(₹ in Crore)	
	As at 31 st March 2013	As at 31 st March 2012
Goods in Transit (Included in Capital Goods & Stores)	6.72	0.04
Goods lying with Contractors (Included in Capital Goods & Stores)	0.19	0.49

(iii) (b) (a) As per Technical appraisal made by the management, it is of the opinion that slow moving and non moving inventory lying with the Corporation as at the year-end are serviceable and in good condition. (b) The management affirms correct identification of Shortage/ obsolescence of stores, spares and capital inventories which are non-moving/ slow moving, in view of technical reasons and provided for.

(iv) Payment Against Material Pending Acceptance includes Expenditure/Advance which are predominantly supply/stage payments made to Suppliers/fabricators against dispatch documents or against materials received by sites/units and under inspection or delivered to fabricators for further processing, which are in the process of adjustment/reconciliation. In the opinion of the management, stagnancy in respect of such advances is periodically reviewed and provisions required, if any is accordingly made.

(v) **Details of Carrying balance of Expenditure During Construction during the reporting year is given below:**

EXPENDITURE DURING CONSTRUCTION PERIOD PENDING ALLOCATION	(₹ in Crore)	
	As at 31 st March 2013	As at 31 st March 2012
OPENING BALANCE	5,214.61	3,475.46
ADD : EXPENSES DURING THE YEAR		
Fuel - Use Charges	-	-
SUB-TOTAL (A)	-	-
Salaries & Wages	90.13	88.68
Bonus / Incentives	18.68	7.73
Gratuity, Leave encashment & Other employee benefits	0.05	0.04
Contribution to Provident and Other Funds	6.63	5.40
Staff Welfare Expenses	22.63	16.91
Allocation of Head Office Expenditure	263.09	148.06
SUB-TOTAL (B)	401.21	266.82

II NOTES FORMING PART OF THE FINANCIAL STATEMENTS

for the year ended 31st March 2013

Stores and Spares Consumed	14.29	4.75
Repairs and Maintenance		
a) Building	5.14	1.71
b) Plant and Machinery	5.23	4.89
c) Office Equipments	1.64	-
d) Others	14.06	5.77
Insurance	19.03	11.55
Rates and Taxes - Direct	0.29	-
Electricity and Water Charges - Plant Site	199.07	82.70
Security Expenses- Plant Site	13.97	7.88
SUB-TOTAL (C)	272.72	119.25
Rent	1.75	0.06
Rates and Taxes	0.77	-
Travelling and Conveyance Expenses	2.08	1.63
Printing and Stationery	1.06	0.58
Electricity and Water Charges - Township	2.17	3.50
Advertisement Expenses	0.49	0.44
Net Gain / Loss on Foreign Currency Transactions and Translation	437.89	417.83
Public Awareness	0.84	-
Security Expenses	1.39	0.81
Other Expenses	78.75	49.05
SUB-TOTAL (D)	527.19	473.90
Depreciation	16.74	12.17
Finance Cost - Interest on Borrowed Funds (Bond)	5.84	248.86
Finance Cost - Interest on Borrowed Funds (Term Loan)	298.51	-
Finance Cost - Interest on Russian Credit - GOI-DAE Loan	227.33	240.29
Finance Cost - Interest on ECB	28.76	-
Finance Cost - Net Gain/Loss on Foreign Currency Transactions regarded as Finance Cost	-	388.54
Finance Cost - Other Borrowing Cost	-	2.45
SUB-TOTAL (E)	577.18	892.31
TOTAL EXPENDITURE (A+B+C+D+E)	1,778.30	1,752.28
Less : Income		
Interest (Others)	3.38	0.49
Other Income	14.74	12.68
Prior Period Income/Expense (Net)	(1.76)	(0.04)
	16.36	13.13
NET EXPENSES FOR THE YEAR	1,761.94	1,739.15
BALANCE AT THE END OF THE YEAR	6,976.55	5,214.61
Less : Allocated to Fixed Assets	-	-
NET TOTAL	6,976.55	5,214.61

II NOTES FORMING PART OF THE FINANCIAL STATEMENTS

for the year ended 31st March 2013

13. Non Current Investments*

(i) Details of Unquoted Trade & Other Investments (Long Term) :

Particulars	(₹ in Crore)	
	As at 31 st March 2013	As at 31 st March 2012
I. Trade Investments		
1. Investment in Equity/Shares		
(a) Joint Venture / Subsidiary Companies	141.27	117.79
	See description Note (ii) (a) to (e)	
2. Investment in Debenture/Bonds		
(a) Power Bonds	805.27	1,100.69
	See description Note (iii)	
TOTAL TRADE INVESTMENTS	946.54	1,218.48
II. Other Investments		
1. Investment in Equity/Shares Instrument		
(a) Investment in Shares of Co-Operative Societies at Units		
(i) 10264 Shares of KAPS Co-Operative society of ₹ 10/- each fully paid.	0.01	0.01
(ii) 7102 Shares of NAPS Co-operative society of ₹ 10/- each fully paid.	0.01	0.01
(iii) 4924 Shares of MAPS Co-operative society of ₹ 10/- each fully paid.	0.00	0.00
(iv) 1200 Shares of TAPS Co-operative society of ₹ 10/- each fully paid.	0.00	0.00
	0.02	0.02
	See description Note (iv)	
(b) Investment in Shares of BHAVINI		
(i) 1200000 (Previous year 600000) Equity shares of ₹ 1,000/- each fully paid up	120.00	60.00
	See description Note(v)	
2. Other Investments		
(a) Employees Leave Encashment Scheme		
(i) Life Insurance Corporation of India	232.73	212.41
(ii) SBI Life Cap Assure	102.62	93.69
(iii) ICICI Prudential	28.44	25.85
	363.79	331.95
	See description Note (vi) (a) to (c)	
(b) Employees Gratuity Scheme		
(i) Life Insurance Corporation of India	115.28	105.18
(ii) SBI Life Cap Assure	116.60	106.48
(iii) ICICI Prudential	28.44	25.85
	260.32	237.51
	See description Note (vi) (a) to (c)	
(c.) Deposit with HUDCO - Earmarked Fund Investment	-	145.90
	See description Note (vii)	
TOTAL OTHER INVESTMENTS	744.13	775.38
TOTAL	1,690.67	1,993.86

* For valuation method refer Accounting Policy No. 'J'.

II NOTES FORMING PART OF THE FINANCIAL STATEMENTS

for the year ended 31st March 2013

(ii) (a) Details of Investment in Joint Venture / Subsidiary Companies by NPCIL:

Name of Company	No. of Equity Share held of Face Value ₹ 10/- each**	Cost of Investment** (In ₹)
1. L&T Special Steels and Heavy Forgings Private Limited (JV)	140,400,000 (117,000,000)	1,404,000,000 (1,170,000,000)
2. Anushakti Vidyut Nigam Ltd. (JV & Subsidiary)	51,000 (51,000)	510,000 (510,000)
3. NPCIL Indian Oil Nuclear Energy Corporation Ltd. (JV & Subsidiary)	740,000 (740,000)	7,400,000 (7,400,000)
4. NPCIL – NALCO Power Company Limited (JV & Subsidiary)	74,000 (Nil)	740,000 (Nil)
TOTAL		1,412,650,000 (1,177,910,000)

** Figures in bracket denotes Previous year figures

(ii) (b) The Corporation along with Larsen & Toubro Limited entered into a Joint Venture (JV) named as “L&T Special Steels and Heavy Forgings Private Limited” for establishing, manufacturing and supply of forgings for Indian Nuclear programme (both civilian and non-civilian) including for exports. NPCIL is having 26% share in the Joint venture with Issued, Subscribed and Paid up Equity Share Capital of ₹ 540.00 crore (Previous year Subscribed Capital ₹ 450.00 crore). The Corporation has subscribed ₹ 140.40 crore (Previous Year ₹ 117.00 crore) as at end of current reporting period.

Based on Financial Statements of the JV entity, the Corporation's share of assets, liabilities and income & expenses as required by AS-27 'Financial Reporting of interests in Joint Ventures' are given below:

Particulars	(₹ in Crore)	
	As at 31 st March 2013	As at 31 st March 2012
A. Assets		
Long Term Assets - Tangible	362.96	8.49
– In-Tangible	3.93	0.51
Capital Works in Progress	24.65	326.53
Intangible Assets under Development	0.48	0.88
Other Non - Current Assets	3.46	7.76
Current Assets	55.82	50.71
B. Liabilities		
Non- Current Liabilities	190.26	163.46
Current Liabilities	67.55	28.71
C. Income	3.77	-
D. Expenses	44.27	2.93

(ii) (c) The Corporation along with NTPC Ltd., entered into a Joint Venture (JV) named as “Anushakti Vidhyut Nigam Ltd.” for establishing nuclear power stations which is also a subsidiary of the corporation. The JV was incorporated on 27th January, 2011 with NPCIL share of 51% in the issued, subscribed and paid up equity share capital of ₹ 0.10 crore (Previous Year ₹ 0.10 crore). The JV is in its early age of operation and no activity has been undertaken so far.

II NOTES FORMING PART OF THE FINANCIAL STATEMENTS

for the year ended 31st March 2013

Based on Financial Statements of the JV entity, the Corporation's share of assets, liabilities and income & expenses as required by AS-27 'Financial Reporting of interests in Joint Ventures' are given below:

Particulars	(₹ in Crore)	
	As at 31 st March 2013	As at 31 st March 2012
A. Assets		
Tangible Assets	-	-
Intangible Assets	-	-
Capital work in Progress	-	-
Other Non Current Assets	-	-
Current Assets	0.05	0.05
B. Liabilities		
Non- Current Liabilities	-	-
Current Liabilities	-	-
C. Income	-	-
D. Expenses	-	0.03

- (ii) (d) The Corporation along with Indian Oil Corporation Ltd. has entered into Joint Venture (JV) named as "NPCIL Indian Oil Nuclear Energy Corporation Ltd." for establishing nuclear power stations which is also a subsidiary of the corporation. It was incorporated on 6th April, 2011 with NPCIL share of 74 % in the issued, subscribed and paid up equity share capital of ₹ 1.00 crore (Previous Year ₹ 1.00 crore). The JV is in early age of operations and no activity has been undertaken so far. Based on Financial Statements of the JV entity, the Corporation's share of assets, liabilities and income & expenses as required by AS-27 'Financial Reporting of interests in Joint Ventures' are given below:

Particulars	(₹ in Crore)	
	As at 31 st March 2013	As at 31 st March 2012
A. Assets		
Tangible Assets	-	-
Intangible Assets	-	-
Capital work in Progress	-	-
Other Non Current Assets	-	-
Current Assets	0.75	0.68
B. Liabilities		
Non- Current Liabilities	-	-
Current Liabilities	0.02	-
C. Income	0.06	-
D. Expenses	0.01	0.09

- (ii) (e) The Corporation along with NALCO Ltd. has entered into Joint Venture (JV) named as "NPCIL NALCO Power Company Ltd." for establishing nuclear power stations which is also a subsidiary of the corporation. It was incorporated on 2nd March, 2012 with NPCIL share of 74 % in the issued, subscribed and paid up equity share capital of ₹ 0.10 crore (Previous Year Nil). The JV is in early age of operations and no activity has been undertaken so far. Based on Financial

II NOTES FORMING PART OF THE FINANCIAL STATEMENTS

for the year ended 31st March 2013

Statements of the JV entity, the Corporation's share of assets, liabilities and income & expenses as required by AS-27 'Financial Reporting of interests in Joint Ventures' are given below:

Particulars	(₹ in Crore)	
	As at 31 st March 2013	
A. Assets		
Tangible Assets	-	
Intangible Assets	-	
Capital work in Progress	-	
Other Non Current Assets	-	
Current Assets	0.07	
B. Liabilities		
Non- Current Liabilities	-	
Current Liabilities	-	
C. Income	-	
D. Expenses	0.03	

(iii) (a) Details of all Investments in Bonds - Power Bonds, at Cost as at the end of the year are given below:

INVESTMENTS IN BONDS (AT COST) UNQUOTED	(₹ in Crore)	
	As at 31 st March 2013	As at 31 st March 2012
Investment in Power Bonds	978.08	1,273.50
Less : Due for maturity with in 12 months from reporting date (Carried to Note- 16)	172.81	172.81
INVESTMENT IN POWER BONDS (NON CURRENT)	805.27	1,100.69

Particulars of Bonds	(₹ in Crore)	
	As at 31 st March 2013	As at 31 st March 2012
LONG TERM INVESTMENT		
1. 8.5 % tax free Govt. of Andhra Pradesh Special Bonds	27.06	36.08
2. 8.5 % tax free Govt. of Gujarat Special Bonds	110.99	147.98
3. 8.5 % tax free Govt. of Haryana Special Bonds	86.54	115.38
4. 8.5 % tax free Govt. of Himachal Pradesh Special Bonds	4.85	6.47
5. 8.5 % tax free Govt. of Kerala Special Bonds	1.35	1.80
6. 8.5 % tax free Govt. of Punjab Special Bonds	6.41	8.55
7. 8.5 % tax free Govt. of Uttar Pradesh Special Bonds	89.78	119.71
8. 8.5 % tax free Govt. of Uttaranchal Special Bonds	10.09	13.46
9. 8.5 % tax free Govt. of Maharashtra Special Bonds	16.96	22.61
10. 8.5 % tax free Govt. of Jammu & Kashmir Special Bonds	87.23	116.31
11. 8.5 % tax free Govt. of Madhya Pradesh Special Bonds	294.38	392.51
12. 8.5 % tax free Govt. of Delhi Long Term Advance	50.45	63.06
13. 8.5 % Govt. of Jammu & Kashmir Special Bonds(Tax Refundable)	191.99	229.58
TOTAL	978.08	1,273.50

II NOTES FORMING PART OF THE FINANCIAL STATEMENTS

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- (iii) (b) Investments in Bonds, include Bonds having face value of ₹ 1,000 each (except Govt. of Delhi advance) received from various beneficiaries in the form of RBI Securitised 8.5% tax free and taxable bonds/ long term advance against Debtors outstanding on Sale of Power upto September 2001, in accordance with the recommendations of Ahluwalia Committee. These Investment in Bonds/Advance are with planned maturity in equal half yearly installment (5% in each half year) and due for redemption on 1st October & 1st April every year. The installments due for maturity/redemption with in 12 months from the current reporting date, as per the Pre defined term has been shown separately under "Current Investments". The redemption of bonds/ advance started during 2006-07 for serial No. 1 to 11, during 2007-08 for serial No. 12 and during 2008-09 for serial No.13.
- (iv) The Corporation invested in Equity Share Capital of Co-Operative Societies registered under the Society Act at respective State in four Unit's location. The Co-Operative Societies are created for extending services to the employees of the corporation at respective site/unit. The investment is for creation of initial corpus for the society to start functioning. These are non participative shares and no dividend is accrued from operational surplus.
- (v) Bharatiya Nabhikiya Vidyut Nigam Ltd, (BHAVINI) is registered as Power (Nuclear) Generating Company by virtue of majority holding by GOI through same administrative ministry, the Department of Atomic Energy (DAE). This company was under the same management during the previous financial year 2011-12. As at end of the reporting period it is in project stage. NPCIL has committed 5% Equity investment, out of which balance commitment is ₹ 107.08 crore (Previous year 167.08 crore). During the reporting period ₹ 60.00 crore (Previous year ₹ 30.00 crore) has been paid as contribution.
- (vi) (a) These Investments are primarily held for meeting Long Term Liabilities of Employee related retirement benefit expenses. The intention of holding these investments are of long term. However, these investments are being reviewed on yearly basis to fetch the better return from such investments.
- (vi) (b) The corporation has taken up the " Nuclear Power Corporation of India Ltd. - Employee Group Leave Encashment Scheme" (NPCIL EGLES) from Life Insurance Corporation against the Leave Encashment Liability, a sum of ₹ 232.73 crore (Previous Year ₹ 212.41 crore) have been invested under this scheme. In addition to this, a sum of ₹ 102.62 crore (Previous Year ₹ 93.69 crore) have also been invested in SBI Life-Cap Assure Leave Encashment Scheme and a sum of ₹ 28.44 crore (Previous Year ₹ 25.85 crore) have been invested in ICICI Prudential Leave Encashment Scheme.
- (vi) (c) A sum of ₹ 115.28 crore (Previous Year ₹ 105.18 crore) have been invested in LIC Gratuity Fund. In addition to this a sum of ₹ 116.60 crore (Previous Year ₹ 106.48 crore) in SBI Life-Cap Assure Gratuity Scheme and a sum of ₹ 28.44 crore (Previous Year ₹ 25.85 crore) in ICICI Prudential Gratuity Scheme have also been invested.
- (vii) These investments are held against Earmarked Funds with an intention to hold for long term.**

Particulars of Bonds	(₹ in Crore)	
	As at 31 st March 2013	As at 31 st March 2012
Bonds of HUDCO- Non-Trade (Earmarked Fund)		
1. 7.7% HUDCO Bonds- R&M Fund	-	1.89
2. 7.7% HUDCO Bonds- Decommissioning Fund	-	86.03
3. 7.7% HUDCO Bonds- R&D Fund	-	57.98
	-	145.90

II NOTES FORMING PART OF THE FINANCIAL STATEMENTS

for the year ended 31st March 2013

14. Long Term Loans and Advances

(i) Details of Long Term Loans & Advances are given below:

Particulars	(₹ in Crore)	
	As at 31 st March 2013	As at 31 st March 2012
1. Capital Advances		
Secured & Considered Good	2,010.50	1,314.92
Un-Secured & Considered Good	0.90	0.69
Considered Doubtful	-	-
	2,011.40	1,315.61
Less : Provision for Doubtful Advances	-	-
	2,011.40	1,315.61
2. Security Deposits		
Secured & Considered Good	6.66	3.93
Un-Secured & Considered Good	3.15	2.49
Considered Doubtful	-	-
	9.81	6.42
Less : Provision for Doubtful Deposits	-	-
See description Note (ii)	9.81	6.42
3. Other Loans & Advances:		
(I) To JV Company-L&T Special Steels & Heavy Forgings Pvt. Ltd		
Secured & Considered Good	330.00	300.00
Interest accrued but not due on loan to JV Company	50.06	28.71
See description Note (iii)	380.06	328.71
(II) Others		
Secured & Considered Good	57.84	59.58
Un-Secured & Considered Good	74.17	98.72
Considered Doubtful	-	-
	132.01	158.30
Less : Provision for Doubtful Advances	-	-
See description Note (iv)	132.01	158.30
TOTAL (1 + 2 + 3(I) + 3(II))	2,533.28	1,809.04

(ii) Security Deposits includes cash or its' equivalent deposit made with different bodies for carrying regular business operation.

(iii) Balance shown under Loans & Advances to JV Company - L&T Special Steel & Heavy Forgings Pvt. Ltd., includes Loans extended during the reporting year by the Corporation for ₹ 30.00 crore (Previous Year ₹ Nil) to the JV Company. The total loan is secured by first pari passu charge over the project assets and immovable properties of the JV Company. Interest payment on this Loan has a moratorium of 10 years from the earlier of (a) the date of last drawdown of the loan, or (b) the date of commencement of commercial operation.

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for the year ended 31st March 2013

(iv) (a) Details of Other Loans & Advances - Others' are given below:

Particulars	(₹ in Crore)	
	As at 31 st March 2013	As at 31 st March 2012
1. Employees		
Secured & Considered Good	71.46	73.16
Un-Secured & Considered Good	77.01	109.00
	148.47	182.16
Less : Amount recoverable within a period of 12 months (Carried to Note.21)	31.74	37.08
	116.73	145.08
2. Govt. Companies/Departments, Public Bodies & State Electricity Entities & Others		
Secured & Considered Good	0.26	0.23
Un-Secured & Considered Good	15.02	12.99
Considered Doubtful	-	-
	15.28	13.22
Less : Provision for Doubtful Advances	-	-
	15.28	13.22
TOTAL	132.01	158.30

(iv) (b) Secured Advances to Employees includes the HBA against which the Corporation obtained the Title Deed till Loan is fully repaid along with accrued Interest.

(iv) (c) "Unsecured & Considered Good" Advances include all other loans and advances extended to employees except HBA.

(iv) (d) Advances to Employees includes ₹ Nil (Previous Year: ₹ 0.01 crore) due from Directors and other Officers of the Corporation.

15. Other Non Current Assets

(i) Details of Other Non Current Assets:

Particulars	(₹ in Crore)	
	As at 31 st March 2013	As at 31 st March 2012
1. Heavy Water Lease Charges Recoverable		
	450.23	462.48
Less : Current portion (Carried to Note- 21)	10.04	11.72
See description note (ii)	440.19	450.76
2. Others - (Interest accrued but not due on staff loans)	76.63	43.56
TOTAL	516.82	494.32

(ii) Heavy Water Lease Charges Recoverable (HWLCR) has been paid for EMCCR (Long Shut Down) period of the Projects and eligible to be part of the capital cost for the purpose of fixation of tariff. The recoverable outstanding of ₹ 264.87 crore as on 31.03.2013 (₹ 277.12 crore as on 31.03.2012) has been considered for present tariff fixation and balance ₹ 185.36 crore (Previous year ₹ 185.36 crore) shall become part of capital cost at the time of fixation of tariff in future.



II NOTES FORMING PART OF THE FINANCIAL STATEMENTS

for the year ended 31st March 2013

16. Current Investments*

(i) Details of Unquoted Trade & Other Investments:

Particulars	(₹ in Crore)	
	As at 31 st March 2013	As at 31 st March 2012
1. Investment in Debenture/Bonds	172.81	172.81
(a) Power Bonds (Carried from Note.13 (iii) (a))		
See description Note (ii)		
2. Investment in Mutual Funds	-	225.00
See description Note (iii)		
TOTAL	172.81	397.81

* For valuation method refer Accounting Policy No. 'J'.

(ii) Details of Bonds are given below:

Particulars of Bonds	(₹ in Crore)	
	As at 31 st March 2013	As at 31 st March 2012
Due for maturity with in 12 months from reporting date *		
1. 8.5 % tax free Govt. of Andhra Pradesh Special Bonds	4.51	4.51
2. 8.5 % tax free Govt. of Gujarat Special Bonds	18.50	18.50
3. 8.5 % tax free Govt. of Haryana Special Bonds	14.42	14.42
4. 8.5 % tax free Govt. of Himachal Pradesh Special Bonds	0.81	0.81
5. 8.5 % tax free Govt. of Kerala Special Bonds	0.23	0.23
6. 8.5 % tax free Govt. of Punjab Special Bonds	1.07	1.07
7. 8.5 % tax free Govt. of Uttar Pradesh Special Bonds	14.96	14.96
8. 8.5 % tax free Govt. of Uttaranchal Special Bonds	1.68	1.68
9. 8.5 % tax free Govt. of Maharashtra Special Bonds	2.83	2.83
10. 8.5 % tax free Govt. of Jammu & Kashmir Special Bonds	14.54	14.54
11. 8.5 % tax free Govt. of Madhya Pradesh Special Bonds	49.06	49.06
12. 8.5 % tax free Govt. of Delhi Long Term Advance	12.61	12.61
13. 8.5 % Govt. of Jammu & Kashmir Special Bonds(Tax Refundable)	37.59	37.59
TOTAL	172.81	172.81

* Refer note 13 (iii) (a) & (b)

(iii) Details of Mutual Fund are given for the previous financial year.

Name of Scheme	No. of Units	(₹ in Crore)	
		NAV as on 31 st March 2012 (In ₹)	Cost (In ₹)
IDBI Liquid Fund - Growth	871,160.27	100.29	100.00
SBI Premier Liquid Fund - Super Institutional - Growth	594,631.82	100.28	100.00
Canara Rebeco Liquid Super Institutional - Growth	192,179.04	25.07	25.00
TOTAL		225.64	225.00

II NOTES FORMING PART OF THE FINANCIAL STATEMENTS

for the year ended 31st March 2013

17. Inventories*

(i) Details of Inventories:

Particulars	(₹ in Crore)	
	As at 31 st March 2013	As at 31 st March 2012
Stores & Spares (O&M)	490.11	456.85
Less : Provision for Obsolescence/Loss	4.71	4.63
See description Note. (ii) & (iii)		
TOTAL	485.40	452.22

* For valuation method refer Accounting Policy No. 'B'.

(ii) (a) As per Technical appraisal made by the management, it is of the opinion that slow moving and non moving inventory lying with the Corporation as at the year-end are serviceable and in good condition. (b) The management affirms correct identification of Shortage/ obsolescence of stores, spares and capital inventories which are non-moving/ slow moving, in view of technical reasons and provided for.

(iii) Inventory stated above includes Goods in Transit and Goods lying with Contractors. The value of these items are given below:

Particulars	(₹ in Crore)	
	As at 31 st March 2013	As at 31 st March 2012
Goods in Transit (Included in Inventory)	5.41	4.55
Goods lying with Contractors (Included in Inventory)	-	-

18. Trade Receivables

(i) Summary Details of Trade Receivables:

Particulars	(₹ in Crore)	
	As at 31 st March 2013	As at 31 st March 2012
Trade Receivables - Secured & Considered Good		
Outstanding Exceeding Six Months from due date of payment	10.73	-
Others	824.15	426.34
	834.88	426.34
Trade Receivables - Un-Secured & Considered Good		
Outstanding Exceeding Six Months from due date of payment	300.06	140.63
Others	837.62	1,668.27
	1,137.68	1,808.90
Trade Receivables - Doubtful		
Outstanding Exceeding Six Months from due date of payment	3.14	3.14
Others	-	-
	3.14	3.14
Less : Provision for Doubtful Receivables	3.14	3.14
	-	-
TOTAL	1,972.56	2,235.24

II NOTES FORMING PART OF THE FINANCIAL STATEMENTS

for the year ended 31st March 2013

- (ii) Receivables at NAPS includes ₹ 77.33 crore (previous year ₹ 77.33 crore) recoverable from Delhi Electric Supply Undertaking (DESU) which are more than 3 years old. The Govt. of India has approved the Non Plan Assistance to Govt. of NCTD for making the payment of these dues as communicated by Ministry of Power vide letter No.6/1/2007-Fin. (Vol. VIII) dated 05.02.2013. Hence, these dues has been considered fully recoverable and no provision is required to be made.

19. Cash & Bank Balances

- (i) Details of Cash & Bank Balances are given below:

Particulars	(₹ in Crore)	
	As at 31 st March 2013	As at 31 st March 2012
1. Balances with Banks:		
Current Accounts' Balance	141.70	184.59
Deposit Accounts' Balance	3,344.08	3,936.09
See description Note (ii) & (iii)	3,485.78	4,120.68
2. Cheques, Drafts on hand	0.18	-
3. Cash on hand	0.01	0.02
4. Others - Including Imprest Balance	2.49	0.75
TOTAL	3,488.46	4,121.45

- (ii) Deposit with more than 12 months Maturity ₹ Nil (Previous Year ₹ 1,800.00 crore).
 (iii) Out of the total Balances with Banks, a sum of ₹ 140.06 crore (Previous Year ₹ 54.55 crore) pertains to Earmarked Funds, which is not available for use in the normal course of business operation.

19 A. Earmarked Cash & Bank Balances

- (i) Details of Earmarked Cash & Bank Balances are given below:

Particulars	(₹ in Crore)	
	As at 31 st March 2013	As at 31 st March 2012
Balances with Banks - For Earmarked Funds:		
Current Accounts' Balance	-	-
Deposit Accounts' Balance	1,100.20	1,039.10
See description Note (ii) (a) & (b)		
TOTAL	1,100.20	1,039.10

- (ii) (a) Deposit with more than 12 months Maturity for earmarked fund were ₹ 751.30 crore (Previous Year ₹ 974.43 crore).
 (ii) (b) Earmarked Cash and Bank Balances are not available for use in the normal course of business operation.

II NOTES FORMING PART OF THE FINANCIAL STATEMENTS

for the year ended 31st March 2013

20. Short Term Loans and Advances

(i) Details of Short Term Loans & Advances:

Particulars	(₹ in Crore)	
	As at 31 st March 2013	As at 31 st March 2012
1. Loans & Advances:		
(I) Others		
Secured & Considered Good	56.29	67.27
Un-Secured & Considered Good	162.97	40.68
Considered Doubtful	0.07	0.15
	219.33	108.10
Less : Provision for Doubtful Advances	0.07	0.15
	See description Note (ii)	219.26
	219.26	107.95
TOTAL	219.26	107.95

(ii) Details of Short Terms Loans & Advances - To Others' are given below:

Particulars	(₹ in Crore)	
	As at 31 st March 2013	As at 31 st March 2012
1. Govt. Companies/Departments, Public Bodies & State Electricity Entities		
Secured & Considered Good	8.47	9.59
Un-Secured & Considered Good	105.26	4.77
Considered Doubtful	0.07	0.15
	113.80	14.51
Less : Provision for Doubtful Advances	0.07	0.15
	113.73	14.36
2. Advance Income Tax / Tax Recoverable*	33.45	50.34
3. Others	72.08	43.25
TOTAL	219.26	107.95

*Details of Advance Income Tax/Tax recoverable Net of Provision

Particulars	(₹ in Crore)	
	As at 31 st March 2013	As at 31 st March 2012
Gross Amount	1,305.98	841.29
(including tax paid for Current Year ₹ 475.47 crore (Previous Year ₹ 468.97 crore))		
Less : Provision for Taxation	1,272.53	790.95
(including for Current Year ₹ 505.00 crore (Previous Year ₹ 455.00 crore))		
TOTAL	33.45	50.34

II NOTES FORMING PART OF THE FINANCIAL STATEMENTS

for the year ended 31st March 2013

21. Other Current Assets

(i) Details of Other Current Assets:

Particulars	(₹ in Crore)	
	As at 31 st March 2013	As at 31 st March 2012
Heavy Water Lease Charges Recoverable (Carried from Note 15)	10.04	11.72
Interest Accrued But not Due on Deposits/Advances	514.10	268.30
Interest Accrued But not Due on Loans to staff	7.25	3.22
Interest Accrued But not Due on Earmarked Funds	239.24	133.55
Current Maturity of Employees Long Term Advances (Carried from Note 14 (iv) (a))	31.74	37.08
Others (See description Note (ii))	136.38	119.19
TOTAL	938.75	573.06

(ii) Others includes amount recoverable from subsidiaries ₹ 0.17 crore (Previous Year ₹ 0.10 crore) against preliminary expenses incurred on their behalf.

22. Revenue from Operations

(i) Revenue from Operation for the year are given below:

Particulars	Description Note No.	(₹ in Crore)	
		For the year ended 31 st March 2013	For the year ended 31 st March 2012
Sales of Electrical Energy	(ii) to (vi)	7,961.51	7,913.81
TOTAL		7,961.51	7,913.81

(ii) Sales of Energy includes Internal Consumption of Power for Projects amounting to ₹ 2.80 crore (Previous Year ₹ 2.11 crore) which is considered at cost of generation.

(iii) Revenue on Sale of Energy is recognised net of Decommissioning Fund Levy aggregating to ₹ 59.08 crore (Previous Year ₹ 58.25 crore) on the basis of net unit exported to the beneficiaries and others at tariffs notified by DAE.

(iv) Sale of Energy includes Sale of Steam amounting to ₹ 40.54 crore (Previous Year ₹ 53.66 crore).

(v) Central Electricity Regulatory Commission (CERC) vide notification no. L-7/145(160)/2012 dated 31.12.2012 has allowed recovery of Regional Load Despatch Centre (RLDC) Fees and Charges, which are being paid by generating companies in terms of CERC (Fees and Charges of RLDC and other related matters) Regulations, 2009 from the Electricity Beneficiaries. Accordingly, Revenue from Sales of Energy includes recovery of RLDC Fees and Charges amounting to ₹ 31.84 crore during the current financial year 2012-13 including ₹ 24.72 crore pertaining to previous financial years (i.e. from April-2009 to March-2012).

(vi) The operation of the Corporation of generation of electricity is considered as a single segment, which operates in one geographical segment; hence Segment Reporting as required under Accounting Standard (AS)-17 is not applicable.

II NOTES FORMING PART OF THE FINANCIAL STATEMENTS

for the year ended 31st March 2013

23. Other Income

(i) Other Income for the year are given below:

Particulars	Description Note No.	(₹ in Crore)	
		For the year ended 31 st March 2013	For the year ended 31 st March 2012
1. Interest Income			
i) on Deposits / Bonds		417.95	442.18
ii) on Staff Loans		22.26	16.67
iii) on Others	(ii)	192.10	272.13
		632.31	730.98
2. Delayed Payment Charges		0.12	0.11
3. Excess Provision written back		8.40	11.40
4. Profit on sale of fixed assets		0.19	0.20
5. Miscellaneous Income		19.34	34.51
6. Income from Consultancy Services		4.72	5.96
7. Income from Current Investments		29.53	25.70
		694.61	808.86
Less : Transferred to EDC Note No 12 (v).		18.12	13.17
Transferred to Adjustment with Other Dues (DAE) Note No. 45		0.03	0.59
TOTAL		676.46	795.10

(ii) Interest income on others includes amount of ₹ Nil (Previous Year ₹ 66.91 crore) received as Interest on Income Tax refund.

24. Fuel & Heavy Water Charges

(i) Fuel and Heavy water Charges for the year are given below:

Particulars	Description Note No.	(₹ in Crore)	
		For the year ended 31 st March 2013	For the year ended 31 st March 2012
1. Fuel Charges	(ii) & (iii)		
a) Fuel Use Charges		1,724.47	1,664.92
b) Fuel Recovery Charges		125.19	125.19
c) Fuel Lease Charges		64.79	57.96
		1,914.45	1,848.07
2. Heavy Water charges	(ii) & (iii)		
a) Heavy Water Lease Charges		659.01	970.85
b) Heavy Water Make up Charges		45.27	43.30
c) Other Cost relating to Heavy Water		12.24	16.64
		716.52	1,030.79
Less : Transferred to EDC Note No 12 (v).		-	-
TOTAL		2,630.97	2,878.86

(ii) Being a Unique industry i.e. Nuclear Power, NPCIL is not maintaining any inventory with respect to Fuel and Heavy Water. All Fuel and Heavy Water costs are charged as per directives of DAE as applicable from time to time. Being confidential in nature, the quantitative details of above are not disclosed as per DAE Order No.AEA/18/1/89-ER/3345 dated 22.11.1989

II NOTES FORMING PART OF THE FINANCIAL STATEMENTS

for the year ended 31st March 2013

(iii) Fuel Charges and Heavy Water Charges are charged as per directives of DAE as applicable from time to time.

25. Operation and Maintenance Expenses

(i) Operation and Maintenance Expenses for the year are given below:

Particulars	Description Note No.	(₹ in Crore)	
		For the year ended 31 st March 2013	For the year ended 31 st March 2012
Stores and Spares consumed *		49.78	36.41
Repairs and Maintenance			
a) Buildings	75.29		57.49
b) Plant & Machinery	224.77		217.64
c) Office Equipments	18.65		12.48
d) Others	75.49		41.85
		394.20	329.46
Insurance		34.63	23.73
Rates and Taxes- Direct		8.01	9.87
Electricity and Water Charges Plant Site		327.14	265.82
Security Expenses- Plant		87.29	71.96
		901.05	737.25
Less : Transferred to EDC Note No 12 (v).		272.72	119.25
Transferred to Adjustment with Other Dues (DAE) Note No. 45		7.36	3.65
TOTAL		620.97	614.35

* Refer Note No.43

26. Employee Benefits Expenses

(i) Employee Benefits Expenses for the year are given below:

Particulars	Description Note No.	(₹ in Crore)	
		For the year ended 31 st March 2013	For the year ended 31 st March 2012
1. Salaries & Wages			
Salaries & Wages		762.65	699.95
Bonus		154.44	174.16
Gratuity & Leave Encashment and other Employee Benefits	Refer Note - 33	247.66	112.74
		1,164.75	986.85
2. Contribution to Provident and other funds	Refer Note - 33	57.39	49.54
3. Staff Welfare Expenses		229.83	189.42
		1,451.97	1,225.81
Less : Transferred to EDC Note No 12 (v).		401.21	266.82
: Transferred to Adjustment with Other Dues (DAE) Note No. 45		45.01	39.42
Transferred to CWIP Note No 12 (i).		10.57	4.09
TOTAL		995.18	915.48

II NOTES FORMING PART OF THE FINANCIAL STATEMENTS

for the year ended 31st March 2013

27. Finance Costs

(i) Finance costs for the year are given below:

Particulars	Description Note No.	(₹ in Crore)	
		For the year ended 31 st March 2013	For the year ended 31 st March 2012
1. Interest Expenses			
On Bonds		219.27	214.20
On Term Loans		628.84	670.02
On ECB /Foreign Currency Loan		40.66	1.39
On Russian Credit		227.33	239.92
2. Exchange differences arising as adjustment to Borrowing Costs	(ii)	-	392.23
3. Other Borrowing Costs	(iii)	-	34.79
		1,116.10	1,552.55
Less : Transferred to EDC Note No 12 (v).		560.44	880.14
TOTAL		555.66	672.41

(ii) Refer Note No. 3 (vi)

(iii) Expenses incurred in connection with arrangement of loans are treated as other borrowing cost in accordance with Accounting Standard 16 "Borrowing Costs".

28. Administrative and Other Expenses

(i) Administrative and Other Expenses for the year are given below:

Particulars	Description Note No.	(₹ in Crore)	
		For the year ended 31 st March 2013	For the year ended 31 st March 2012
Rent		2.95	1.60
Rates and Taxes*		2.83	1.68
Travelling and Conveyance Expenses		16.59	14.15
Printing and Stationery		5.78	5.09
Electricity and Water Charges		10.39	13.28
Loss on Sale of Fixed Asset		0.07	0.61
Advertisement Expenses		6.02	6.40
Net Gain/Loss on Foreign Currency Transactions and Translation		437.89	418.00
Rebates/ Discount		76.33	111.54
Research and Development Expenditure		7.28	6.01
CSR Expenses		15.70	17.66
Public Awareness Expenses		6.00	4.06
Security Expenses		4.90	4.74
Other Expenses	ii & iii	198.26	149.75
Provisions:			
- for Loss/Obsolete Stocks		1.07	0.21
- for Doubtful Debts		-	-
- for Doubtful Advances		-	-
		1.07	0.21

II NOTES FORMING PART OF THE FINANCIAL STATEMENTS

for the year ended 31st March 2013

	792.06	754.78
Less : Transferred to EDC Note No 12 (v).	527.19	473.90
: Transferred to Adjustment with Other Dues (DAE) Note No. 45	2.80	2.90
: Drawn from R&D Fund - Note No. 2	7.28	6.01
TOTAL	254.79	271.97

* This includes Wealth tax amounting to ₹ 1.76 crore (Previous Year ₹ 1.35 crore).

(ii) Remuneration to Auditors

Particulars	(₹ in Crore)	
	2012-13	2011-12
Audit Fees:		
To Statutory Auditors	0.08	00.20 *
To Branch Auditors	0.18	00.18 **
Tax Audit Fees:		
To Statutory Auditors	0.03	0.04
To Branch Auditors	0.05	0.04
As expenses:		
Paid to Statutory Auditors	0.02	0.07
Paid to Branch Auditors	0.01	0.01
Certification Fees:		
Paid to Statutory Auditors & Branch Auditors	-	0.01

* Including ₹ 0.03 crore for the financial year 2010-11 approved and paid during the financial year 2011-12.

** Including ₹ 0.04 crore for the financial year 2010-11 approved and paid during the financial year 2011-12.

(ii) Other Expenses includes following

Particulars	(₹ in Crore)	
	2012-13	2011-12
Telephone & Internet Expenses'	12.25	10.96
Vehicles Expenses	45.07	37.96
Legal and Professional Charges	78.69	21.89
RLDC Charges and Fees	7.12	7.14
Testing Charges	1.14	0.82
Fees and Subscription	11.49	2.79
Office Expenses	6.18	5.28
Inventory/Freight related Expenses	11.50	7.57
Bank Charges	3.75	0.09
Other Expenses	21.07	55.25
TOTAL	198.26	149.75

II NOTES FORMING PART OF THE FINANCIAL STATEMENTS

for the year ended 31st March 2013

29. Prior Period Adjustments

(i) Prior Period Adjustments for the year are given below:

Particulars	(₹ in Crore)	
	For the year ended 31 st March 2013	For the year ended 31 st March 2012
DEBITS		
Depreciation / obsolescence	4.78	5.47
Miscellaneous	0.01	0.05
Rates & Taxes (RLDC Charges)	-	16.31
	4.79	21.83
Less : Transferred To EDC Note No.12(v)	1.76	0.04
Transferred to Adjustment with Other Dues (DAE) Note No. 45	-	0.12
	1.76	0.16
SUB-TOTAL (A)	3.03	21.67
CREDITS		
Repairs & Maintenance	-	2.44
Miscellaneous	0.13	4.84
Depreciation	0.01	1.68
	0.14	8.96
Less : Transferred To EDC Note No.12 (v)	-	-
Transferred to Adjustment with Other Dues (DAE) Note No. 45	-	-
SUB-TOTAL (B)	0.14	8.96
TOTAL (A-B)	2.89	12.71

30. Tax Expenses

(i) Tax Expenses for the year are given below:

Particulars	(₹ in Crore)	
	For the year ended 31 st March 2013	For the year ended 31 st March 2012
1 Current Tax		
a) Current Year	505.00	455.00
b) Earlier Year	(0.17)	4.79
	504.83	459.79
2 Deferred Tax (Refer Note No. - 4)		
a) Deferred Tax Expense / (Income)- Current Year	8.76	(592.51)
Less : Reduction in Recovery / (Recoverable)	-	597.14
	8.76	4.63
b) Earlier Years (Non-recoverable)	-	11.08
	8.76	15.71
TOTAL	513.59	475.50

II NOTES FORMING PART OF THE FINANCIAL STATEMENTS

for the year ended 31st March 2013

31. Contingent Liabilities & Commitments

(i) Contingent Liabilities not provided for includes:

Particulars	(₹ in Crore)	
	2012-13	2011-12
(a) Claims against the Corporation not acknowledged as debts.	183.34	182.86
(b) Sales tax/ Entry Tax Demands contested in Appeals (Amount paid under protest ₹ 2.71 crore, Previous year ₹ 2.71 crore).	0.14	0.13
(c.) Unexpired value of Letters of Credits/ Bank Guarantees given on behalf of Corporation.	3.29	1.15
(d) Income-tax demands contested in appeals net of provisions (Amount paid under protest ₹ 29.71 crore, (Previous Year ₹ 29.71 crore)	229.76	233.60

(ii) In the opinion of management, the aforesaid contingent liabilities relating to income-tax demands, if eventually arise on the Corporation, would be claimed from the beneficiaries except withholding tax of ₹ 200.49 crore (Previous Year ₹ 204.33 crore) which shall be added to project cost of Kudankulam (KKNPP1&2).

(iii) Amount payable to Project Affected People on rehabilitation at Tarapur Maharashtra Site (TMS) has been paid and provided in respect of demands received till date, as per court orders. In view of pending court cases, the future liability is unascertainable.

(iv) Claims under point (i) (a) above includes:

(a) Notice received from Maharashtra Pollution Control Board (MPCB) by TMS for payment of Cess under Water Cess Act, 1977 amounting to ₹ 20.79 crore (Previous Year ₹ 20.79 crore) disputed by TMS before the Cess Appellate Committee of MPCB. If the claim eventually arise on the Corporation, would be claimed from the Electricity Beneficiaries.

(b) Contingent liability for ₹ 5.68 crore on account of water cess in respect of Rajasthan Atomic Power Station (RAPS 2) for the period from 01.04.1984 to 12.03.2003 has been contested and is pending with Rajasthan High Court, Jaipur. If the claim eventually arise on the Corporation, would be claimed from the Electricity Beneficiaries.

(c) Demand of interest raised by Surat Canal Division towards unpaid charges for consumption of Water on Gross intake basis ₹ 66.91 crore (Previous year ₹ 43.52 crore).

(v) Estimated amount of Contracts remaining to be executed on Capital Account (net of advances) ₹ 10,396.09 crore (Previous Year ₹ 7,688.87 crore). The Corporation has committed to subscribe Share Capital of:

(a) Bharatiya Nabhikiya Vidyut Nigam Ltd, (BHAVINI) ₹ 107.08 crore (Previous year ₹ 167.08 crore) and

(b) NPCIL - NALCO Power Company Ltd. ₹ Nil (Previous Year ₹ 0.07 crore).

Further, the Corporation has also committed to provide loan of ₹ 20.00 crore (Previous Year ₹ 50.00 crore) to Larsen & Toubro Special Steels & Heavy Forgings Pvt. Ltd. (LTSSHF).

32. Upon the Pronouncement of 'The Civil liability for Nuclear Damages Act, 2010' w.e.f. 11-Nov-2011 the corporation is liable to pay damages upto ₹ 1,500 crore per incident on happening of any Nuclear Accident, balance liability shall be borne by Government of India. The NPCIL management has taken a financial security (i.e. Bank Guarantee) to meet the liabilities as per provisions of the Act from IDBI Bank Ltd. for one year effective from 18th July 2012.

33. (i) (a) : Disclosure as per Accounting Standard 15 'Accounting for Employee Benefits' :

(i) (b) : General description of various Defined Employee Benefit schemes are as under:

(i) (c) : Provident Fund: The Corporation pays fixed contribution to Provident fund at predetermined rates to a separate Trust, which invests the funds in permitted securities. The contribution to the Fund for the year is recognised as expense and is charged to the Statement of Profit & Loss. The obligation of the Corporation is to make such fixed contribution.

II NOTES FORMING PART OF THE FINANCIAL STATEMENTS

for the year ended 31st March 2013

- (i) (d) : Gratuity: The Corporation has a defined benefit gratuity plan. Every employee who has rendered continuous service of five years or more is entitled to get gratuity at 15 days salary (15/26 X last drawn basic salary plus dearness allowance) for each completed year of service subject to a maximum of ₹ 10 lacs on superannuation, resignation, termination, disablement or on death. The liability for the same is recognised on the basis of actuarial valuation.
- (i) (e) : Leave Encashment / Half Pay Leave: The Corporation provides for earned leave benefit (including compensated absences) and half-pay leave to the employees of the Corporation which accrue annually at 30 days and 20 days respectively. A maximum of 300 days of earned leave and 240 half pay leaves is en-cashable as per the rules of the Corporation. The liability for the same is recognised on the basis of actuarial valuation.
- (i) (f) : Post Retirement Medical Benefit Scheme (PRMBS) : The Corporation has Post Retirement Medical Benefit Scheme (PRMBS), under which retired employee and family are provided medical facilities in the Corporation hospital / empanelled hospitals. The liability for the same is recognised on the basis of actuarial valuation.
- (ii) **The summarised position of various defined benefits recognised in the Statement of Profit and Loss & Balance Sheet is given below:**

(Amount in ₹)

Particulars	Gratuity As on		Leave Encashment As on	
	31 st March 2013	31 st March 2012	31 st March 2013	31 st March 2012
I Assumptions				
Mortality	LIC(1994-96)Ult	LIC(1994-96)Ult	LIC(1994-96)Ult	LIC(1994-96)Ult
Discount Rate	8.00%	8.75%	8.00%	8.75%
Rate of increase in compensation	7.00%	6.00%	7.00%	6.00%
Rate of return (expected) on plan assets	-	-	-	-
II Changes in present value of obligations				
PVO at beginning of period	2,426,226,615	2,205,137,517	1,982,916,556	1,751,570,823
Interest cost	215,259,557	192,182,580	179,280,479	155,292,494
Current Service Cost	98,929,772	108,813,867	185,451,301	161,589,315
Benefits paid	-130,094,323	-105,959,706	-238,896,202	-172,379,243
Actuarial (gain)/loss on obligation	449,398,296	26,052,357	656,069,946	86,843,167
PVO at end of period	3,059,719,917	2,426,226,615	2,764,822,080	1,982,916,556
III Changes in fair value of plan assets				
Fair Value of Plan Assets at beginning of period	-	-	-	-
Expected Return on Plan Assets	-	-	-	-
Contributions	130,094,323	105,959,706	238,896,202	172,379,243
Benefits paid	-130,094,323	-105,959,706	-238,896,202	-172,379,243
Actuarial gain/(loss) on plan assets	-	-	-	-
Fair Value of Plan Assets at end of period	-	-	-	-
IV Fair Value of Plan Assets				
Fair Value of Plan Assets at beginning of period	-	-	-	-
Actual Return on Plan Asset	-	-	-	-
Contributions	130,094,323	105,959,706	238,896,202	172,379,243

II NOTES FORMING PART OF THE FINANCIAL STATEMENTS

for the year ended 31st March 2013

Benefit paid	-130,094,323	-105,959,706	-238,896,202	-172,379,243
Fair Value of Plan Assets at end of period	-	-	-	-
Funded Status	-3,059,719,917	-2,426,226,615	-2,764,822,080	-1,982,916,556
Excess of actual over estimated return on Plan Assets	-	-	-	-
V Actuarial Gain/(Loss) Recognised				
Actuarial Gain/(Loss) for the period (Obligation)	-449,398,296	-26,052,357	-656,069,946	-86,843,167
Actuarial Gain/(Loss) for the period (Plan Assets)	-	-	-	-
Total Gain/(Loss) for the period	-449,398,296	-26,052,357	-656,069,946	-86,843,167
Actuarial Gain/(Loss) recognised for the period	-449,398,296	-26,052,357	-656,069,946	-86,843,167
Unrecognised Actuarial Gain/(Loss) at end of period	-	-	-	-
VI Amounts to be recognised in the Balance Sheet and Statement of Profit & Loss				
PBO at end of period	3,059,719,917	2,426,226,615	2,764,822,080	1,982,916,556
Fair Value of Plan Assets at end of period	-	-	-	-
Funded Status	-3,059,719,917	-2,426,226,615	-2,764,822,080	-1,982,916,556
Unrecognised Actuarial Gain/(Loss)	-	-	-	-
Net Asset/(Liability) recognised in the balance sheet	-3,059,719,917	-2,426,226,615	-2,764,822,080	-1,982,916,556
VII Expense recognised in the Statement of Profit & Loss				
Current Service Cost	98,929,772	108,813,867	185,451,301	161,589,315
Interest Cost	215,259,557	192,182,580	179,280,479	155,292,494
Expected Return on Plan Assets	-	-	-	-
Net Actuarial (Gain)/Loss recognised for the period	449,398,296	26,052,357	656,069,946	86,843,167
Expense recognised in the Statement of P&L	763,587,625	327,048,804	1,020,801,726	403,724,976
VIII Movements in the liability recognised in Balance Sheet				
Opening Net Liability	2,426,226,615	2,205,137,517	1,982,916,556	1,751,570,823
Expenses as above	763,587,625	327,048,804	1,020,801,726	403,724,976
Benefits paid	-130,094,323	-105,959,706	-238,896,202	-172,379,243
Closing Net Liability	3,059,719,917	2,426,226,615	2,764,822,080	1,982,916,556

II NOTES FORMING PART OF THE FINANCIAL STATEMENTS

for the year ended 31st March 2013

(iii) Disclosure for Half pay leave & Post Retirement Medical Benefit Scheme (PRMBS) on the basis of actuarial valuation:

(Amount in ₹)

Particulars	Half Pay Leave As on		Post Retirement Benefit Scheme (PRMBS) As on	
	31 st March 2013	31 st March 2012	31 st March 2013	31 st March 2012
I Assumptions				
Mortality	LIC(1994-96)Ult	LIC(1994-96)Ult	LIC(1994-96)Ult	LIC(1994-96)Ult
Discount Rate	8.00%	8.75%	8.00%	8.75%
Rate of increase in compensation	7.00%	6.00%	-	-
Rate of Withdrawal	1.00%	1.00%	1.00%	1.00%
Value of Liability (as at end of the year)	₹ 1,58,25,43,608	₹ 1,15,07,84,453	₹ 1,04,24,53,406	₹ 84,16,92,823

34. Related Parties Disclosure (AS 18) :

(i) Subsidiary Companies -	(a) Anushakti Vidhyut Nigam Ltd.
	(b) NPCIL IndianOil Nuclear Energy Corporation Ltd.
	(c) NPCIL NALCO Power Company Ltd.

(ii) Joint Venture Company -L&T Special Steels and Heavy Forgings Private Limited

(iii) Related Parties - Key Management Personnel:

a) Shri K. C. Purohit	Chairman & Managing Director (w.e.f. - 25 th June 2012)
b) Shri Shreyans Kumar Jain	Chairman & Managing Director (Till 31 st May 2012)
c) Shri S.A. Bhardwaj	Director, Technical
d) Shri Preman Dinaraj	Director, Finance
e) Shri G. Nageswara Rao	Director, Operations
f) Shri S. B. Agarkar	Director, HR

(iv) Transaction with related parties mentioned in (i) above;

Amount recoverable from subsidiaries as on 31.03.2013 ₹ 0.17 crore (Previous Year ₹ 0.10 crore) against preliminary and other expenses incurred on their behalf.

(v) Transaction with related parties mentioned in (ii) above;

Loan given as on 31.03.2013 - ₹ 330 crore (Previous year ₹ 300 crore).

Interest accrued but not due as on 31.03.2013 (Net of tax) ₹ 50.06 crore (Previous year ₹ 28.71 crore) including for the year ₹ 21.35 crore (Previous year ₹ 19.52 crore).

(vi) Transaction with related parties mentioned in (iii) above;

(a) Remuneration for the year - ₹ 1.45 crore (Previous Year ₹ 1.98 crore).

(b) Dues outstanding to the Corporation as on 31.03.2013 ₹ Nil (Previous Year ₹ 0.01 crore).

(c) Other payments for the year ₹ 0.06 crore (Previous Year ₹ 0.06 crore).

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for the year ended 31st March 2013

35. List of Subsidiaries:

Name of subsidiary	Country	Holding (%)	
		As at 31.03.2013	As at 31.03.2012
(a) Anushakti Vidhyut Nigam Ltd.	India	51%	51%
(b) NPCIL IndianOil Nuclear Energy Corporation Ltd.	India	74%	74%
(c) NPCIL NALCO Power Company Ltd	India	74%	NIL

36. Disclosure in respect of AS - 20: Earnings per Share:

Earning per share (EPS) Basic and Diluted (after tax) is calculated as under:

Year	Numerator - Net Profit as per the Statement of Profit & Loss (₹ in Crore)	Denominator – Weighted Average number of equity shares outstanding (Face Value of ₹ 1,000/- each)	Earning Per Share (Amount in ₹)
2012–13	2,100.99	101743327	206.50
2011–12	1,906.15	101601496	187.61

37. As stipulated in AS–28 Impairment of Assets, the Corporation assessed potential generation of economic benefits from its business units and is of the view that assets employed in continuing businesses are capable of generating adequate returns over their useful lives in the usual course of business, there is no indication to the contrary and accordingly the management is of the view that no impairment provision is called for in these accounts.

38. Disclosure of provision as required under AS–29 Provisions Contingent Liabilities and Contingent Assets for the Financial Year 2012-13:

(₹ in Crore)

Nature of Provision & expected time of outflow	Provision outstanding at the beginning of the year		Provision utilised during the year	Provision reversed during the year	Provision outstanding at the end of the year
	Provision made during the year	Provision made during the year			
Income Tax	768.48	505.00	-	0.95	1,272.53
Fringe Benefit Tax	22.47	-	22.47	-	-
Wealth Tax	1.20	1.50	1.20	-	1.50
Proposed Dividend	291.85	322.15	291.85	-	322.15
Tax on Proposed Dividend	47.35	54.75	47.35	-	54.75
Gratuity	242.62	76.36	13.01	-	305.97
Leave Encashment	198.29	102.08	23.89	-	276.48
Half Pay Leave	115.08	47.43	4.25	-	158.26
Post Retirement Medical Benefit Scheme	84.17	20.08	-	-	104.25

II NOTES FORMING PART OF THE FINANCIAL STATEMENTS

for the year ended 31st March 2013

39. Expenditure in foreign currency (on Payment Basis) :

Particulars	(₹ in Crore)	
	2012-13	2011-12
(i) Project related payments including Kudan Kulam (KK) Project (Net of Tax)	260.43	119.54
(ii) Other matters (travelling, subscription to books, periodicals, membership fee, etc)	8.54	5.47

40. Receipts in foreign currency

Particulars	(₹ in Crore)	
	2012-13	2011-12
Guest House Receipt (at KK Project)	0.004	NIL

41. Foreign Currency Exposures not hedged as on 31st March 2013 are as under:

Particulars	Currencies	(₹ in Crore)	
		2012-13	2011-12
Sundry Creditors / Deposits / Loans / Retention Money	USD	131.47 crore	134.88 crore
	EURO	0.00002 crore	0.0013 crore

42. Value of imports:

Particulars	(₹ in Crore)	
	2012-13	2011-12
Value of imports calculated on CIF basis	329.11	511.70

43. Disclosure as required by para 5 (viii) of General Instructions to Part II of Revised Schedule VI of Companies Act, 1956

- (a). The information regarding value of imported spare parts and components consumed and value of all indigenous spare parts and components consumed and percentage of each to the total consumption being confidential in nature, in the opinion of the management, has not been disclosed as per DAE Order No. AEA/18/I/89-ER/3345 dated November 22, 1989.
- (b) The break up between (i) Components and Spare Parts and (ii) Capital Goods, being confidential in nature, has not been disclosed.

44. (i) Licensed and Installed Capacities:

	Nuclear Energy	Wind Energy
a) Licensed Capacity	Not applicable	Not applicable
b) Installed Capacity	4680 MW	10 MW
(Commercial units) Previous year	4680 MW	10 MW

44. (ii) Quantitative information in respect of Generation and Sales of Electricity:

Electricity		Nuclear Energy	Wind Energy
Generation	2012-13 *	32,862.55	18.75
(In Millions KWh)	2011-12 *	32,450.61	18.40
(Includes Pre-commercial)			
Sales	2012-13 *	29,540.73	18.70

II NOTES FORMING PART OF THE FINANCIAL STATEMENTS

for the year ended 31st March 2013

(In Millions KWh)	2011-12 *	29,123.25	18.30
(Includes Pre-commercial)			
Value (₹ in crore)	2012-13 **	7,956.52	4.99
	2011-12 **	7,908.55	5.26

* Generation and Sales in MUs of Nuclear Energy includes 151.89 MUs (Previous Year 180.57 MUs) for Sale of Steam.

** Generation and Sales in Rupees in crore of Nuclear Energy includes ₹ 40.54 crore (Previous Year ₹ 53.66 crore) for Sale of Steam.

- 45.** The Corporation is operating and managing Rajasthan Atomic Power Station, Unit - 1 (RAPS-1), which is owned by DAE, Government of India. The direct expenditure and allocated common expenditure in respect of RAPS-1 have been accounted for and claimed as per the agreement with DAE.
- 46.** A fire incidence had taken place in the Generator Transformar (GT) area of Unit - 2 of Madras Atomic Power Station (MAPS) on 15.04.2013. Consequent to this, the Unit - 2 was shut down. The review and assessment of GT by the original equipment manufacturer (i.e. BHEL) is in progress. As, the assessment report has not yet been finalised, the loss due to the incident can not be quantified.
- 47.** In the opinion of the Management, the value on realisation of Non- Current Assets (except Fixed Assets), Current Assets in the ordinary course of business will not be less than the amount at which these are stated and provision for all known liabilities is adequate and not in excess than reasonably necessary. Letters seeking confirmation of balances have been sent to most of the parties which are either confirmed by them or are deemed to be confirmed due to non-response to the letters sent to them.
- 48.** All assets and liabilities are presented as current or non-current as per the criteria set out in revised Schedule VI of the Companies Act, 1956 notified by the Ministry of Corporate Affairs vide notification No S.O. 447 (E) dated 28th February 2011 and S.O. 653 (E) dated 30th March 2011. Based on the nature of the products, power generating process and realisation, the Company has ascertained its operating cycle of less than 12 months. Accordingly, 12 months period has been considered for the purpose of current / non-current classification of assets and liabilities.
- 49.** The figures of the current and previous year have been rounded off to the nearest crore. The figures of previous year have been reclassified, regrouped and rearranged to make them comparable with the current year's figures.

In terms of our Audit Report of even date attached

For VYAS & VYAS

Chartered Accountants

FRN. 000590C

Sd/-

(O. P. VYAS)

Partner

M. No. 014081

Place : Mumbai

Date : 27/05/2013

For and on behalf of

NUCLEAR POWER CORPORATION OF INDIA LIMITED

Sd/-

(SRIKAR R. PAI)

Company Secretary

Sd/-

(PREMAN DINARAJ)

Director (Finance)

Sd/-

(K. C. PUROHIT)

Chairman and Managing Director

Subsidiary Companies

ANUSHAKTI VIDHYUT NIGAM LIMITED

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Nuclear Power Corporation of India Limited

ANUSHAKTI VIDHYUT NIGAM LIMITED

DIRECTORS' REPORT

Dear Stakeholders,

Your Directors have immense pleasure in presenting the 2nd Annual Report of the Company, together with Audited Accounts for the year ended 31st March 2013

Financial Results

The Company has not yet commenced its commercial operations.

Financial results	FY 2012-13
Total Income (Other Income)	₹ 83,458
Expenses	₹ 70,580
Profit / (Loss) before Tax	₹ 12,878
Less : Provision for Tax	₹ 26,495
Profit / (Loss) after Tax	(₹ 13,617)

Deposits

During the year under review, the Company has not accepted any deposit from the Public.

Capital Expenditure

The Company has not made any capital expenditure.

Share Capital and Finance

The initial Authorised Share Capital of the Company is ₹ 5,00,00,000 (Rupees Five Crore)

The total equity Paid-up Share Capital of the Company is ₹ 10,00,000 (Rupees Ten Lakh) as on 31st March 2013.

Project Identification

The discussions were held between NPCIL and NTPC Ltd., the promoters of the Company, for identification of the Project Site and technology route to be taken up by the Company. It was decided that the Company may take up 2 x 700 MW PHWR units at Gorakhpur, Haryana.

The Board of Directors of the Company has been kept updated by NPCIL about the status of various pre-project activities including land acquisition undertaken in respect of the project. Formal allotment of project to the Company by the Government is awaited.

Disclosure of Particulars

The Company did not carry out business activities and hence there are no particulars to be disclosed as per Companies

(Disclosure of Particulars in the Report of Board of Directors) Rules, 1988.

Particulars of Employees U/S 217 (2A)

There are no employees covered by the provisions of Section 217 (2A) of the Companies Act, 1956, read with the Companies (Particulars of Employees) Rules, 1975.

Directors' Responsibility Statement

As required under Section 217 (2AA) of the Companies Act, 1956, the Directors confirm:

- I. that in the preparation of the annual accounts, the accounting standards have been followed to the extent applicable and there has been no material departure;
- II. that the selected accounting policies were applied consistently and the Directors made judgement and estimates that are reasonable and prudent so as to give a true and fair view of the state of affairs of the Company as on March 31, 2013 and of the profit or loss of the Company for that period;
- III. that proper and sufficient care has been taken for the maintenance of adequate accounting records in accordance with the provisions of the Companies Act, 1956 for safeguarding the assets of the Company and for preventing and detecting fraud and other irregularities;
- IV. that the annual accounts have been prepared on a going concern basis.

Directors

The current Directors of the Company are:

1. Shri S.B. Agarkar
2. Shri U.C. Muktibodh
3. Shri S. Alaguvel
4. Shri A. K. Singhal
5. Shri A.K. Jha

Changes in the Board of Directors during the year

1. Consequent to superannuation of Shri S. A. Bhardwaj, Director (Technical), NPCIL on 31.01.2013, NPCIL has nominated Shri S. B. Agarkar, Director (Human Resource), NPCIL as Chairman on the Board of Anushakti Vidhyut Nigam Limited.

2. Consequent to superannuation of Shri M. K. Kannan, Associate Director (Business Development), NPCIL on 30.11.2012, NPCIL has nominated Shri S. Alaguvel, AGM(F&A), NPCIL as Director on the Board of Anushakti Vidhyut Nigam Limited.
3. Further, the NPCIL has nominated Shri U. C. Muktibodh, Executive Director (Engineering), NPCIL, in place of Shri Preman Dinaraj, Director (Finance) NPCIL, as Director on the Board of Anushakti Vidhyut Nigam Limited.

The Board welcomes appointment of Shri S.B. Agarkar, Shri U.C. Muktibodh and Shri S. Alaguvel and places on record its sincere appreciation of the valuable services rendered by Shri S.A. Bhardwaj, Shri Preman Dinaraj and Shri M.K. Kannan during their association with the Company.

Audit Committee

The Audit Committee has not been constituted as the formation of the Audit Committee as per the Companies Act, 1956 is mandatory for the Companies having Paid-up Share Capital more than ₹ 5 crore.

The Role, Terms of Reference, the Authority and Power of the Audit Committee when constituted would be in conformity with the requirements of the Companies Act, 1956 for an Audit Committee.

Secretarial Compliance Certificate

The Company has obtained a Compliance Certificate pursuant to the provisions of Section 383A of the Companies Act, 1956 from M/s. K.M. Jhaveri & Co. a firm of Practising Company Secretaries. The Compliance Certificate is annexed to this Report.

Statutory Auditors

The Statutory Auditors of your Company are appointed by the Comptroller & Auditor General of India. M/s K. U. Kothari & Co. Chartered Accountants, Mumbai were appointed as Statutory Auditors for the Financial Year ended on 31st March, 2013.

Observations of the Statutory Auditors

The Auditors' Report to the Shareholders does not contain any qualifications.

The notes to the accounts referred to in the Auditors' Report are self-explanatory and therefore do not call for any further comments of Directors.

Comments of the Comptroller and Auditor General of India

The Comptroller and Auditor General of India, have decided not to review the report of Statutory Auditors on the Accounts of Anushakti Vidhyut Nigam Limited for the year ended 31st March 2013 and as such have no comments to make under Section 619(4) of the Companies Act, 1956.

Acknowledgements

The Directors acknowledge the invaluable support extended to the Company by the employees and management of the parent companies.

For and on behalf of the Board of Directors

Sd/-

(S.B. Agarkar)

Chairman

Place : Mumbai

Date : 19th June 2013.

Compliance Certificate

(under sub-section (1) of section 383A of the Companies Act, 1956)

CIN of the Company: U40300MH2011GOI212727

Nominal Capital: ₹ 5,00,00,000/-

Paid up Capital: ₹ 10,00,000/-

To,
The Members

ANUSHAKTI VIDHYUT NIGAM LIMITED

16th Floor, Centre 1, World Trade Centre,
Cuffe Parade,
Mumbai- 400 005

We have examined the registers, records, books and papers of ANUSHAKTI VIDHYUT NIGAM LIMITED (the Company) as required to be maintained under the Companies Act, 1956, (the Act) and the rules made thereunder and also the provisions contained in the Memorandum and Articles of Association of the Company for the financial year ended on 31st March, 2013. In our opinion and to the best of our information and according to the examinations carried out by us and explanations furnished to us by the Company, its officers and agents, we certify that in respect of the aforesaid financial year:

1. The Company has kept and maintained all registers as stated in Annexure 'A' to this certificate, as per the provisions of the Act and the rules made thereunder and all entries therein have been generally recorded.
2. The Company has filed the forms and returns as stated in Annexure 'B' to this certificate, with the Registrar of Companies, Maharashtra under the Act and the rules made thereunder.
3. The Company, being a Public Limited Company, comments are not required.
4. The Board of Directors met 4 (Four) times respectively on 21st June, 2012, 27th September, 2012, 31st December, 2012 and 25th March, 2013 in respect of which meetings generally notices were given and the proceedings were recorded. There was no Circular resolution passed during the period.
5. The Company was not required to close its Register of Members during the financial year.
6. The Annual General Meeting for the financial year ended 31st March 2012 was held on 25th July, 2012 after giving due notice to the members of the Company and the resolutions passed thereat were duly recorded in the Minutes Book maintained for the purpose.
7. No Extra Ordinary General Meeting was held during the financial year.
8. The Company has not advanced any loans to its directors or persons or firms or companies referred in Section 295 of the Act.
9. The Company has not entered into any contracts falling within the purview of Section 297 of the Act.
10. The Company was not required to make any entries in the register maintained under Section 301 of the Act.
11. As there were no instances falling within the purview of section 314 of the Act, the Company has not obtained any approvals from the Board of directors, members or Central Government.
12. The Company has not issued any duplicate share certificates during the financial year.
13. The Company:
 - (i) has delivered all the share certificates on lodgment for transfer of shares during the financial year. There was no allotment /transmission of shares during the financial year.
 - (ii) has not deposited any amount in a separate Bank Account as no dividend was declared during the year under report.
 - (iii) was not required to posts warrants to any member of the Company as no dividend declared during the year under report.
 - (iv) was not required to transfer the amounts in unpaid dividend account, application money due for refund, matured deposits, matured debentures and the interest accrued thereon which have remained unclaimed or unpaid for a period of seven years to Investor Education Protection Fund.
 - (v) has generally complied with the requirements of Section 217 of the Act.
14. The Board of Directors of the Company is duly constituted. There was appointment of director during the financial year based on Joint Venture Agreement which is part of Articles of Association. There was no appointment of additional directors, alternate directors

- and directors to fill casual vacancy during the financial year.
15. The Company has not appointed any Managing Director / Whole-time Director / Manager during the financial year.
 16. The Company has not appointed any sole selling agents during the financial year.
 17. The Company was not required to obtain any approvals of the Central Government, Company Law Board, Regional Director, Registrar of Companies and/or such authorities prescribed under the various provisions of the Act during the financial year.
 18. The Directors have disclosed their interest in other firms / companies to the Board of Directors pursuant to the provisions of the Act and the rules made thereunder.
 19. The Company has not issued any shares/ debentures/ other securities during the financial year.
 20. The Company has not bought back any shares during the financial year.
 21. The Company has no preference shares or debentures, therefore comments in respect of redemption of preference shares or debentures are not applicable.
 22. There were no transactions necessitating the Company to keep in abeyance the rights to dividend, rights shares and bonus shares pending registration of transfer of shares.
 23. The Company has not invited / accepted any deposits including any unsecured loans falling within the purview of section 58A during the financial year.
 24. The Company has not made borrowings during the financial year ended on 31st March, 2013.
 25. The Company has not made loans and investment or given guarantees or provided securities to other bodies corporate and consequently no entries have been made in the Register kept for the purpose.
 26. The Company has not altered the provisions of the Memorandum with respect to situation of the Company's registered office from one State to another during the year under scrutiny.
 27. The Company has not altered the provisions of the Memorandum with respect to the objects of the Company during the year under scrutiny.
 28. The Company has not altered the provisions of the Memorandum with respect to name of the Company during the year under scrutiny.
 29. The Company has not altered the provisions of the Memorandum with respect to share capital of the Company during the year under scrutiny.
 30. The Company has not altered its Articles of Association during the financial year.
 31. There was no prosecution initiated against or show cause notice received by the Company and no fines or penalties or any other punishment was imposed on the Company during the financial year, for offences under the Act.
 32. As informed to us the Company does not have any employee during the financial year. Hence, receipt of any money as security from its employees during the financial year does not arise.
 33. As informed to us, the Company does not have any employee during the financial year. Hence, constituting a separate provident fund trust for its employees or class of its employees as contemplated under section 418 of the Act does not arise.

Sd/-

Kaushik M. Jhaveri & Co.
Practising Company Secretary
C.P. No. : 2592

Place : Mumbai

Date : 6th May, 2013

Annexure A

Registers as maintained by the Company:

1. Register of Members and Share Ledger	u/s. 150
2. Register of Share Transfer	
3. Minutes Book of Proceedings of Board Meeting	u/s. 193
4. Minutes Book of Proceedings of General Meeting	u/s. 193
5. Register of Directors, Managing Directors, Managers and Secretary	u/s. 303
6. Registers of Contracts	u/s. 301
7. Register of Directors' Shareholdings	u/s. 307

Annexure B

The Company has filed following forms and returns with Registrar of Companies, Maharashtra during the financial year ending 31st March, 2013.

Sr. No.	Form No./ Return	Filed under Section	For	Date of filing	Whether filed within prescribed time Yes / No	If delay in filing whether requisite additional fee paid Yes / No
1.	Annual Report (Form 23AC & 23ACA)	u/s 220	For the year ended 31 st March, 2012	26/11/2012	No	Yes
2.	Annual Return (Form 20B)	u/s 159	For the Annual General Meeting held on 25 th July, 2012	29/09/2012	No	Yes
3.	Annual Return (Form 20B)	u/s 159	For the Annual General Meeting held on 25 th July, 2012	21/11/2012	No	Yes
4.	Compliance Certificate (Form 66)	u/s 383A	For the year ended 31 st March, 2012	21/11/2012	No	Yes
5.	Form 32	u/s 303 (2)	Cessation of Mr. D.K.Jain as director w.e.f. 30/06/2012	14/07/2012	Yes	N.A.
6.	Form 32	u/s 303 (2)	Appointment of Mr. Anil Kumar Jha as director w.e.f 27/09/2012	22/11/2012	No	Yes

Sd/-

Kaushik M. Jhaveri & Co.
Practising Company Secretary
C.P. No. : 2592

Place : Mumbai

Date : 6th May, 2013

Independent Auditor's Report

To the Members of

ANUSHAKTI VIDHYUT NIGAM LIMITED

Report on the Financial Statements

We have audited the accompanying financial statements of ANUSHAKTI VIDHYUT NIGAM LIMITED ("the Company"), which comprise the Balance Sheet as at 31st March 2013, and the Statement of Profit and Loss and Cash Flow Statement for the year then ended, and a summary of significant accounting policies and other explanatory information.

Management's Responsibility for the Financial Statements

Management is responsible for the preparation of these financial statements that give a true and fair view of the financial position, financial performance and cash flows of the Company in accordance with the Accounting Standards referred to in sub-section (3C) of section 211 of the Companies Act, 1956 ("the Act"). This responsibility includes the design, implementation and maintenance of internal control relevant to the preparation and presentation of the financial statements that give a true and fair view and are free from material misstatement, whether due to fraud or error.

Auditor's Responsibility

Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with the Standards on Auditing issued by the Institute of Chartered Accountants of India. Those Standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the Company's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances. An audit also includes evaluating the appropriateness of accounting

policies used and the reasonableness of the accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Opinion

In our opinion and to the best of our information and according to the explanations given to us, the financial statements give the information required by the Act in the manner so required and give a true and fair view in conformity with the accounting principles generally accepted in India:

- a) in the case of the Balance Sheet, of the state of affairs of the Company as at 31st March 2013;
- b) in the case of the Statement of Profit and Loss, of the loss of the Company for the year ended on that date; and
- c) in the case of the Cash Flow Statement, of the cash flows of the Company for the year ended on that date.

Report on Other Legal & Regulatory Requirements

1. The Company is also governed by The Atomic Energy Act, 1962; the provisions of the said Act have prevailed wherever they have been inconsistent with the provisions of the Companies Act, 1956.
2. As required by the Companies (Auditor's Report) Order, 2003 issued by the Central Government of India in terms of sub-section (4A) of section 227 of the Act, we give in the Annexure a statement on the matters specified in paragraphs 4 and 5 of the Order.
3. As required by section 227(3) of the Act, we report that:
 - a) we have obtained all the information and explanations which to the best of our knowledge and belief were necessary for the purpose of our audit;
 - b) in our opinion, proper books of account as required by law have been kept by the Company so far as appears from our examination of those books;
 - c) the Balance Sheet, Statement of Profit and Loss, and Cash Flow Statement dealt with by this Report are in agreement with the books of account;

- d) in our opinion, the Balance Sheet, Statement of Profit and Loss, and Cash Flow Statement comply with the Accounting Standards referred to in sub section (3C) of section 211 of the Companies Act, 1956;
- e) Being a Government Company, pursuant to Notification No. G.S.R. 829 (E) dated 21.10.2003 issued by the Department of Company Affairs, Government of India, provisions of clause (g) of sub-section (1) of section 274 of the Companies Act, 1956 are not applicable to the Company.

For K. U. KOTHARI & CO.
CHARTERED ACCOUNTANTS
FRN. 105310W

Sd/-
(PRAKASH CHECHANI)
Partner
Membership No.: 104203

Place : Mumbai
Date : 06/05/2013

Annexure to the Independent Auditor's Report

Statement referred to in paragraph 2 of our report on Other Legal & Regulatory Requirements of even date on the accounts of ANUSHAKTI VIDHYUT NIGAM LIMITED for the year ended 31st March 2013.

- | | |
|--|---|
| <p>(i) There are no fixed assets, hence the question of maintaining proper records, its physical verification by the management or disposal of its substantial part does not arise.</p> <p>(ii) There is no inventory, hence the clause of physical verification, its procedures and maintaining proper records of inventory is not applicable.</p> <p>(iii) The Company has not granted nor taken any loans, secured or unsecured to or from companies, firms or other parties covered in the register maintained under section 301 of the Companies Act, 1956, hence this clause is not applicable.</p> <p>(iv) The Company has not started any commercial activities, hence the clause of adequate internal control system being commensurate with the size of the Company and the nature of its business with regard to purchase of inventory and fixed assets & sale of goods and services is not applicable.</p> <p>(v) According to information and explanations provided to us, there are no contracts or arrangements referred to in section 301 of the Companies Act.</p> <p>(vi) The Company has not accepted any deposits from the public.</p> <p>(vii) As informed to us, the Company does not have internal audit system.</p> <p>(viii) According to the information & explanations given to us, the Central Government has prescribed the maintenance of cost records by the Company under Section 209(1)(d) of the Companies Act, 1956. However, the Company has not started operations during the year, hence no accounts or records have been made and maintained by the Company.</p> <p>(ix) As there are no statutory dues, this clause is not applicable.</p> | <p>(x) The Company has been in existence for a period of less than five years, hence the clause of accumulated losses and cash losses is not applicable.</p> <p>(xi) The Company has not taken any loan from financial institution or bank, hence the clause of default in repayment of dues to the said parties is not applicable.</p> <p>(xii) The Company has not granted any loans and advances on the basis of security by way of pledge of shares, debentures and other securities.</p> <p>(xiii) The Company is not a chit/nidhi/mutual benefit fund/society, hence this clause is not applicable.</p> <p>(xiv) The Company is not dealing or trading in shares, securities, debentures & other investments.</p> <p>(xv) Based on the information and explanations given to us, the Company has not given any guarantee for loan taken by others from banks or financial institutions.</p> <p>(xvi) The Company has not raised term loans during the year.</p> <p>(xvii) The Company has not raised any funds on short term basis, hence this clause is not applicable.</p> <p>(xviii) During the year the Company has not made any preferential allotment of shares to parties and companies covered in the register maintained under section 301 of the Companies Act, 1956.</p> <p>(xix) The Company has not issued any debentures during the year.</p> <p>(xx) The Company has not raised money by public issues during the year.</p> <p>(xxi) Based on the audit procedure performed and information and explanation given to us by the management, no fraud on or by the Company has been noticed or reported during the year.</p> |
|--|---|

For K. U. KOTHARI & CO.
CHARTERED ACCOUNTANTS
FRN. 105310W

Sd/-
(PRAKASH CHECHANI)
Partner
Membership No.: 104203

Place : Mumbai
Date : 06/05/2013

Comments of the Comptroller and Auditor General of India

COMMENTS OF THE COMPTROLLER AND AUDITOR GENERAL OF INDIA UNDER SECTION 619 (4) OF THE COMPANIES ACT, 1956 ON THE ACCOUNTS OF THE ANUSHAKTI VIDHYUT NIGAM LIMITED, MUMBAI FOR THE YEAR ENDED 31 MARCH 2013.

The preparation of financial statements of **ANUSHAKTI VIDHYUT NIGAM LIMITED** for the year ended 31 March 2013 in accordance with the financial reporting framework prescribed under the Companies Act 1956 is the responsibility of the management of the Company. The Statutory Auditor appointed by the Comptroller and Auditor General of India under Section 619(4) of the Companies Act, 1956 is responsible for expressing opinion on these financial statements under Section 227 of the Companies Act, 1956 based on independent audit in accordance with the auditing and assurance standards prescribed by their professional body, the Institute of Chartered

Accountants of India. This is stated to have been done by them vide their Audit Report dated **06.05.2013**.

I, On behalf of the Comptroller and Auditor General of India, have decided not to review the report of Statutory Auditors on the accounts of **ANUSHAKTI VIDHYUT NIGAM LIMITED** for the year ended 31 March 2013 and as such have no comments to make under section 619(4) of the Companies Act, 1956.

For and on the behalf of the
Comptroller and Auditor General of India

Sd/-
(John K. Sellate)

Place : New Delhi
Dated : 18.06.2013

Pr. Director of Commercial Audit &
Ex-officio Member, Audit Board-IV

Balance Sheet as at 31st March 2013

Particulars	Note No.	(In ₹)	
		As at 31 st March 2013	As at 31 st March 2012
I. EQUITY & LIABILITIES			
1. Shareholder's Funds			
a) Share Capital	1	10,00,000	10,00,000
b) Reserves and Surplus	2	(6,62,604)	(6,48,987)
2. Share Application Money pending allotment			
-			
3. Non Current Liabilities			
-			
4. Current Liabilities			
a) Other Current Liabilities	3	7,01,795	6,48,987
b) Short Term Provisions	4	26,495	-
TOTAL		10,65,686	10,00,000
II. ASSETS			
1. Non Current Assets			
-			
2. Current Assets			
a) Cash & Cash Equivalents	5	9,64,079	10,00,000
b) Short Term Loans and Advances	6	26,495	-
c) Other Current Assets	7	75,112	-
TOTAL		10,65,686	10,00,000

The Significant Accounting Policies (I) and Notes (II) are an integral part of this Financial Statements.

As per our Audit Report of even date attached

For K.U.KOTHARI & CO

Chartered Accountants

FRN. 105310W

Sd/-

(PRAKASH CHECHANI)

Partner

M. No. 104203

Place : Mumbai

Date : 06.05.2013

For and on behalf of

ANUSHAKTI VIDHYUT NIGAM LIMITED

Sd/-

(S.ALAGUVEL)

Director

Sd/-

(A.K.JHA)

Director

Sd/-

(U.C.MUKTIBODH)

Director

Sd/-

(S.B.AGARKAR)

Chairman

Statement of Profit and Loss for the year ended on 31st March 2013

Particulars	Note No.	(In ₹)	
		For the year ended 31 st March 2013	For the period ended 31 st March 2012
I. INCOME / REVENUE			
Revenue from Operations		-	-
Other Income	8	83,458	-
TOTAL REVENUE		83,458	-
II. EXPENSES			
Administration and Other Expenses	9	70,580	6,48,987
TOTAL EXPENSES		70,580	6,48,987
III. Profit before exceptional and extraordinary items and tax		12,878	(6,48,987)
IV. Exceptional items		-	-
V. Profit before extraordinary items and tax		12,878	(6,48,987)
VI. Extraordinary Items		-	-
VII. Profit before tax		12,878	(6,48,987)
VIII. TAX EXPENSES			
1) Current Tax		26,495	-
2) Deferred Tax		-	-
IX. PROFIT/(LOSS) FOR THE PERIOD (VII - VIII)		(13,617)	(6,48,987)
X. EARNING PER EQUITY SHARE (FV of ₹ 10/- each)			
Basic & Diluted		-0.14	-6.49

The Significant Accounting Policies (I) and Notes (II) are an integral part of this Financial Statements.

As per our Audit Report of even date attached

For K.U.KOTHARI & CO

Chartered Accountants

FRN. 105310W

Sd/-

(PRAKASH CHECHANI)

Partner

M. No. 104203

Place : Mumbai

Date : 06.05.2013

Sd/-

(S.ALAGUVEL)

Director

Sd/-

(A.K.JHA)

Director

For and on behalf of

ANUSHAKTI VIDHYUT NIGAM LIMITED

Sd/-

(U.C.MUKTIBODH)

Director

Sd/-

(S.B.AGARKAR)

Chairman

Cash Flow Statement for the year ended on 31st March 2013

Particulars	(In ₹)	
	2012-13	2011-12
A CASH FLOW FROM OPERATING ACTIVITIES:		
Net Profit/(Loss) before tax and extraordinary items	12,878	(6,48,987)
Adjustments for:		
Increase/(Decrease) in Current liabilities	79,303	6,48,987
(Increase)/Decrease in Current Assets	(1,01,607)	-
CASH FROM OPERATING ACTIVITIES	(9,426)	-
less : Taxes Paid	26,495	-
NET CASH FROM OPERATING ACTIVITIES	(35,921)	-
B CASH FLOW FROM INVESTING ACTIVITIES		
NET CASH (USED IN)/FROM INVESTING ACTIVITIES	-	-
C CASH FLOW FROM FINANCING ACTIVITIES		
Proceeds from issue of Equity share capital	-	10,00,000
NET CASH (USED IN)/FROM FINANCING ACTIVITIES	-	10,00,000
Net (Decrease)/Increase in cash and Cash Equivalents (A+B+C)	(35,921)	10,00,000
Cash & Cash equivalents as at the commencement of the period	10,00,000	-
Cash & Cash equivalents as at the close of the period	9,64,079	10,00,000

As per our Audit Report of even date attached

For K.U.KOTHARI & CO

Chartered Accountants

FRN. 105310W

Sd/-

(PRAKASH CHECHANI)

Partner

M. No. 104203

Place : Mumbai

Date : 06.05.2013

For and on behalf of
ANUSHAKTI VIDHYUT NIGAM LIMITED

Sd/-

(S.ALAGUVEL)

Director

Sd/-

(A.K.JHA)

Director

Sd/-

(U.C.MUKTIBODH)

Director

Sd/-

(S.B.AGARKAR)

Chairman

Significant Accounting Policies

and notes on accounts for the year ended on 31st March 2013

Company Overview

The Company Anushakti Vidhyut Nigam Limited is a Public Limited Company having an Authorised Share Capital of ₹ 5,00,00,000/- incorporated on 27.01.2011 having its registered office in Mumbai, Maharashtra.

The business activity of the Company is Development of Nuclear Power, Protection of Environment, Manufacturing of Nuclear Components and Trading of Electricity. The commencement of business certificate is dated 4th April 2011. The Company has not yet commenced its business activities.

I. Significant Accounting Policies

A. Basis of Accounting & Preparation of Financial Statements

The Financial statements of the Company have been prepared in accordance with the Generally Accepted Accounting Principles in India (Indian GAAP) to comply with the Accounting Standards notified under the Companies (Accounting Standards) Rules, 2006 (as amended) & the relevant provisions of the Companies Act, 1956. The financial statements have been prepared on accrual basis under the historical cost convention.

B. Use of Estimates

The preparation of the financial statements in conformity with Indian GAAP requires the Management to make estimates & assumptions considered in the reported amounts of assets & liabilities (including contingent liabilities) and the reported income & expenses during the period. The Management believes that the estimates used in the preparation of financial statements are prudent & reasonable. Future results could differ due to these estimates and the differences between the actual results & the estimates are recognised in the periods in which the results are known/materialise.

C. Cash & Cash Equivalents

Cash comprises of cash in current account and term deposit with bank.

D. Cash Flow Statement

Cash flows are reported using the indirect method, whereby profit/(loss) before extraordinary items & tax

is adjusted for the effects of transactions of non-cash nature & any deferrals or accruals of past or future cash receipts & payments. The cash flows from operating, investing & financing activities of the Company are segregated based on available information.

E. Deferred Tax

Deferred Tax Assets on carried forward losses are recognised & carried forward to the extent that there is a virtual certainty that sufficient future taxable income will be available against which such deferred tax assets can be realised.

II Notes Forming Part of the Financial Statements

for the year ended 31st March 2013

1. Share Capital

(i) Details of Authorised, Issued, Subscribed and Paid up Share Capital:

Particulars	(In ₹)	
	As at 31 st March 2013	As at 31 st March 2012
Authorised Share Capital		
50,00,000 Equity shares of ₹ 10/- each	5,00,00,000	5,00,00,000
Issued, Subscribed and Paid up Share Capital		
1,00,000 Equity Shares of ₹ 10/- each fully paid up	10,00,000	10,00,000
TOTAL	10,00,000	10,00,000

(ii) The Company is a public limited company with 51% share holding by the Nuclear Power Corporation of India Limited (NPCIL) and its nominees and 49% share holding by the National Thermal Power Corporation of India Ltd (NTPC) and its nominees. All the Shares are general equity shares having equal rights and are issued at par for value ₹ 10/- each. The shares are not listed in any of the Stock Exchange within India or outside the country as at 31.03.2013.

(iii) Reconciliation of number of Shares Outstanding at the beginning & end of the reporting period.

Particulars	(In ₹)	
	As at 31 st March 2013	As at 31 st March 2012
Equity Share at the beginning of the period (in Numbers)	1,00,000	-
Equity Share Allotted during the period (in Numbers)	-	1,00,000
Equity Share at the end of the period (in Numbers)	1,00,000	1,00,000

(iv) Reconciliation of money received pending allotment of Equity Shares at the beginning & end of the reporting period.

Particulars	(In ₹)	
	As at 31 st March 2013	As at 31 st March 2012
Money received pending allotment of Shares at the beginning of the period	-	-
Add : Money received for issue of Shares during the period	-	10,00,000
Less : Money utilised for issue of Equity Share during the period	-	10,00,000
Money received pending allotment of Shares at the end of the period	-	-

2. Reserves and Surplus

Particulars	(In ₹)	
	As at 31 st March 2013	As at 31 st March 2012
Opening Balance	(6,48,987)	-
Add : Net Profit/(Net Loss) for the current period	(13,617)	(6,48,987)
Closing Balance	(6,62,604)	(6,48,987)

II Notes Forming Part of the Financial Statements

for the year ended 31st March 2013

3. Other Current Liabilities

Particulars	(In ₹)	
	As at 31 st March 2013	As at 31 st March 2012
Outstanding Expenses payable to NPCIL	6,88,237	6,37,751
Outstanding Expenses payable to Others	2,322	-
Audit Fee payable	11,236	11,236
TOTAL	7,01,795	6,48,987

4. Short Term Provisions

Particulars	(In ₹)	
	As at 31 st March 2013	As at 31 st March 2012
Provision for Income Tax	26,495	-
TOTAL	26,495	-

5. Cash & Cash Equivalents

Particulars	(In ₹)	
	As at 31 st March 2013	As at 31 st March 2012
Balances with Scheduled Banks:		
Current Accounts' Balance	64,079	10,00,000
Deposit Accounts' Balance (See description note (i))	9,00,000	-
TOTAL	9,64,079	10,00,000

(i) Term Deposit with Bank for 1Year placed on 12.04.2012 @9.25% per annum, Maturity Date 12.04.2013, Maturity Value ₹ 9,86,183.

6. Short Term Loans and Advances

Particulars	(In ₹)	
	As at 31 st March 2013	As at 31 st March 2012
Advance Income Tax	18,149	-
TDS Receivable	8,346	-
TOTAL	26,495	-

7. Other Current Assets

Particulars	(In ₹)	
	As at 31 st March 2013	As at 31 st March 2012
Interest Accrued But not Due on Deposit	75,112	-
TOTAL	75,112	-

II Notes Forming Part of the Financial Statements

for the year ended 31st March 2013

8. Other Income

Particulars	(In ₹)	
	Year ended 31 st March 2013	Period ended 31 st March 2012
Interest Income		
i) on deposits with Nationalised Banks	83,458	-
TOTAL	83,458	-

9. Administrative and Other Expenditure

Particulars	Description Note No.	(In ₹)	
		Year ended 31 st March 2013	Period ended 31 st March 2012
Preliminary Expenses	9 (i)	-	6,37,751
Audit Fees	9 (ii)	11,236	11,236
Consultancy Charges		32,337	-
Filing Fees		26,457	-
Bank Charges		550	-
TOTAL		70,580	6,48,987

9. (i) Details of Preliminary Expenses are given below:

Particulars	(In ₹)	
	Year ended 31 st March 2013	Period ended 31 st March 2012
Stamp Duty	-	1,00,300
Registration and ROC filing fees	-	3,58,000
Legal & Professional fees	-	1,79,451
TOTAL	-	6,37,751

9. (ii) Details of Audit Fees are given below:

Particulars	(In ₹)	
	Year ended 31 st March 2013	Period ended 31 st March 2012
Statutory Audit Fees	11,236	11,236
TOTAL	11,236	11,236

10. The accounts of the Company for the last financial year are drawn up from the date of incorporation i.e., 27th January, 2011 upto 31st March, 2012.
11. Preliminary expenses prior to incorporation of the Company are charged to Profit & Loss Account.
12. No deferred tax was recognised on the grounds of prudence.
13. There is no Contingent Liability as at the Balance Sheet date.

II Notes Forming Part of the Financial Statements

for the year ended 31st March 2013

14. Previous year figures have been regrouped/rearranged, wherever found necessary.

As per our Audit Report of even date attached

For K.U.KOTHARI & CO

Chartered Accountants

FRN. 105310W

Sd/-

(PRAKASH CHECHANI)

Partner

M. No. 104203

Place : Mumbai

Date : 06.05.2013

For and on behalf of

ANUSHAKTI VIDHYUT NIGAM LIMITED

Sd/-

(S.ALAGUVEL)

Director

Sd/-

(A.K.JHA)

Director

Sd/-

(U.C.MUKTIBODH)

Director

Sd/-

(S.B.AGARKAR)

Chairman



Nuclear Power Corporation of India Limited

NPCIL – INDIANOIL NUCLEAR ENERGY CORPORATION LIMITED

DIRECTORS' REPORT

Dear Stakeholders,

Your Directors have immense pleasure in presenting the 2nd Annual Report of the Company, together with Audited Accounts for the year ended 31st March 2013.

Financial Results

The Company has not yet commenced its commercial operations.

Financial results	FY 2012-13
Total Income (Other Income)	₹ 8,34,582
Profit / (Loss) before Tax	₹ 7,45,476
Less : Provision for Tax	₹ 2,64,950
Profit / (Loss) after Tax	₹ 4,80,526

Deposits

During the year under review, the Company has not accepted any deposit from the Public.

Capital Expenditure

The Company has not made any capital expenditure.

Share Capital and Finance

The initial Authorised Share Capital of the Company is ₹ 10,00,00,000 crore (Rupees Ten Crore).

The total equity Paid-up Share Capital of the Company is ₹ 1,00,00,000 (Rupees One Crore) as on 31st March 2013.

Disclosure of Particulars

The Company did not carry out business activities and hence there are no particulars to be disclosed as per Companies (Disclosure of Particulars in the Report of Board of Directors) Rules, 1988.

Particulars of Employees U/S 217 (2A)

There are no employees covered by the provisions of Section 217 (2A) of the Companies Act, 1956, read with the Companies (Particulars of Employees) Rules, 1975.

Directors' Responsibility Statement

As required under Section 217 (2AA) of the Companies Act, 1956, the Directors confirm:

- I. that in the preparation of the annual accounts, the accounting standards have been followed to the extent applicable and there has been no material departure;
- II. that the selected accounting policies were applied consistently and the Directors made judgement and estimates that are reasonable and prudent so as to give a true and fair view of the state of affairs of the Company as on 31st March 2013 and of the Profit or Loss of the Company for that period;
- III. that proper and sufficient care has been taken for the maintenance of adequate accounting records in accordance with the provisions of the Companies Act, 1956 for safeguarding the assets of the Company and for preventing and detecting fraud and other irregularities;
- IV. that the annual accounts have been prepared on a going concern basis.

Directors

The current Directors of the Company are:

1. Shri G. Nageswara Rao
2. Shri B. B. Choudhary
3. Shri M. K. Balaji
4. Shri M. K. Dass

Shri M.K. Kannan has retired from services of NPCIL w.e.f. 30th November 2012 and has submitted his resignation from Directorship of the Company.

The Board of Directors put their appreciation on record for the services rendered by Shri M.K. Kannan during his tenure as Director of the Company.

Audit Committee

The Audit Committee has not been constituted as the formation of the Audit Committee as per the Companies Act, 1956 is mandatory for the Companies having Paid-up Share Capital more than ₹ 5 crore.

The Role, Terms of Reference, the Authority and Power of the Audit Committee when constituted would be in conformity with the requirements of the Companies Act, 1956 for an Audit Committee.

Secretarial Compliance Certificate

The Company has obtained a Compliance Certificate pursuant to the provisions of Section 383A of the Companies Act, 1956 from M/s. K.M. Jhaveri & Co. a firm of Practising Company Secretaries. The Compliance Certificate is annexed to this Report.

Statutory Auditors

The Statutory Auditors of your Company are appointed by the Comptroller & Auditor General of India. M/s Porwal & Porwal, Chartered Accountants, Mumbai were appointed as Statutory Auditors for the Financial Year ended on 31st March, 2013.

Observations of the Statutory Auditors

The Auditors' Report to the Shareholders does not contain any qualifications.

The notes to the accounts referred to in the Auditors' Report are self-explanatory and therefore do not call for any further comments of Directors.

Comments of the Comptroller and Auditor General of India

The Comptroller and Auditor General of India, have decided not to review the report of Statutory Auditors on the Accounts of NPCIL-India Oil Nuclear Energy Corporation Limited for the year ended 31st March 2013 and as such have no comments to make under Section 619(4) of the Companies Act, 1956.

Acknowledgements

The Directors acknowledge the invaluable support extended to the Company by the employees and management of the parent companies.

For and on behalf of the Board of Directors

Sd/-

(G. Nageswara Rao)

Chairman

Place : Mumbai

Date : 19th June 2013.

Compliance Certificate

(under sub-section (1) of section 383A of the Companies Act, 1956)

CIN of Company: U40104MH2011GOI215870

Nominal Capital: ₹ 10,00,00,000/-

Paid up Capital: ₹ 1,00,00,000/-

To,
The Members,

NPCIL – Indianoil Nuclear Energy Corporation Limited

16th Floor, Centre – 1, World Trade Centre

Cuffe Parade, Colaba

Mumbai – 400 005

We have examined the registers, records, books and papers of NPCIL - Indianoil Nuclear Energy Corporation Limited as required to be maintained under the Companies Act, 1956, (the Act) and the rules made thereunder and also the provisions contained in the Memorandum and Articles of Association of the Company for the financial year ended on 31st March, 2013. In our opinion and to the best of our information and according to the examinations carried out by us and explanations furnished to us by the Company, its officers and agents, we certify that in respect of the aforesaid financial year:

1. The Company has kept and maintained all registers as stated in Annexure 'A' to this certificate, as per the provisions of the Act and the rules made thereunder and all entries therein have been generally recorded.
2. The Company has filed the forms and returns as stated in Annexure 'B' to this certificate, with the Registrar of Companies, Maharashtra under the Act and the rules made thereunder.
3. The Company, being a public limited company, comments are not required.
4. The Board of Directors met Four (4) times respectively on 5th July, 2012; 9th October, 2012; 23rd November, 2012 and 13th March, 2013 in respect of which meetings generally notices were given and the proceedings were generally recorded and signed in the Minutes Book maintained for the purpose. *No Board Meeting was held during the quarter ended April to June, 2012.* There were no circular resolutions passed.
5. The Company was not required to close its Registers of Member during the financial year.
6. The Annual General Meeting for the financial year ended 31st March 2012 was held on 7th August, 2012 after giving due notice to the members of the Company and the resolutions passed thereat were duly recorded in the Minutes Book maintained for the purpose.
7. No Extra Ordinary General Meeting was held during the financial year.
8. Based on the information and explanation provided, the Company has not advanced any loans to its directors or persons or firms or companies referred in Section 295 of the Act.
9. The Company has not entered into any contract falling within the purview of Section 297 of the Act.
10. The Company was not required to make any entries in the register maintained under Section 301 of the Act.
11. As there were no instances falling within the purview of section 314 of the Act, the Company has not obtained any approvals from the Board of directors, members or Central Government.
12. The Company has not issued any duplicate share certificates during the financial year.
13. The Company:
 - (i) has delivered all the share certificates on lodgment of Transfer. There was no allotment/ transmission of shares during the financial year.
 - (ii) has not deposited any amount in a separate Bank Account as no dividend was declared during the year under report.
 - (iii) was not required to post warrants to any member of the Company as no dividend declared during the year under report.
 - (iv) was not required to transfer the amounts in unpaid dividend account, application money due for refund, matured deposits, matured debentures and the interest accrued thereon which have remained unclaimed or unpaid for a period of seven years to Investor Education Protection Fund.
 - (v) has generally complied with the requirements of Section 217 of the Act.
14. The Board of Directors of the Company is duly constituted. There was appointment of Additional Directors during the financial year. There was no appointment of alternate

directors and directors to fill casual vacancy during the financial year.

15. The Company has not appointed any Managing Director/ Whole-time Director/ Manager during the financial year.
16. The Company has not appointed any sole selling agent during the financial year.
17. The Company was not required to obtain any approvals of the Central Government, Company Law Board, Regional Director, Registrar of Companies and/or such authorities as may be prescribed under the various provisions of the Act during the financial year.
18. The Directors have disclosed their interest in other firms / companies to the Board of Directors pursuant to the provisions of the Act and the rules made thereunder.
19. The Company has not issued any shares/ debentures/ other securities during the financial year.
20. The Company has not bought back any shares during the financial year.
21. The Company has no preference shares or debentures, therefore comments in respect of redemption of preference shares or debentures are not applicable.
22. There were no transactions necessitating the Company to keep in abeyance the rights to dividend, rights shares and bonus shares pending registration of transfer of shares.
23. The Company has not invited / accepted any deposits including any unsecured loans falling within the purview of section 58A during the financial year.
24. The Company has not made borrowings during the financial year ended on 31st March, 2013.
25. The Company has not made loans and investment or given guarantees or provided securities to other bodies corporate.
26. The Company has not altered the provisions of the Memorandum with respect to situation of the Company's registered office from one State to another during the year under scrutiny.
27. The Company has not altered the provisions of the Memorandum with respect to the objects of the Company during the year under scrutiny.
28. The Company has not altered the provisions of the Memorandum with respect to name of the Company during the year under scrutiny.
29. The Company has not altered the provisions of the Memorandum with respect to share capital of the Company during the year under scrutiny.
30. The Company has not altered its Articles of Association during the financial year.
31. There was no prosecution initiated against or show cause notice received by the Company and no fines or penalties or any other punishment was imposed on the Company during the financial year, for offences under the Act.
32. As informed to us, the Company does not have any employee during the financial year. Hence, receipt of any money as security from its employees during the financial year does not arise.
33. As informed to us, the Company does not have any employee during the financial year. Hence, constituting a separate provident fund trust for its employees or class of its employees as contemplated under section 418 of the Act does not arise.

Sd/-

Kaushik M. Jhaveri & Co.
Practising Company Secretary
C.P. No. : 2592

Place : Mumbai
Date : 7th May, 2013

Annexure A

Registers as maintained by the Company:

1. Register of Members and Share Ledger	u/s 150
2. Register of Share Transfer	
3. Minutes Book of Proceedings of Board Meeting	u/s 193
4. Minutes Book of Proceedings of General Meeting	u/s 193
5. Register of Directors, Managing Directors, Managers and Secretary	u/s 303
6. Register of Directors' Shareholdings	u/s 307
7. Register of Disclosure	u/s 301 (3)

Annexure B

The Company has filed following forms and returns with Registrar of Companies, Maharashtra during the financial year ending 31st March, 2013.

Sr. No.	Form No./ Return	Filed under Section	For	Date of filing	Whether filed within prescribed time Yes / No	If delay in filing whether requisite additional fee paid Yes / No
1.	Annual Report (Form 23AC & 23ACA)	u/s 220	For the year ended 31 st March, 2012	26/11/2012	No	Yes
2.	Annual Return (Form 20B)	u/s 159	For the Annual General Meeting held on 7 th August, 2012	30/11/2012	No	Yes
3.	Compliance Certificate (Form 66)	u/s 383A	For the year ended 31 st March, 2012	19/11/2012	No	Yes
4.	Form 32	u/s 303 (2)	Cessation of Mr. Kiran Dixit as Director w.e.f 15.6.2012	13/07/2012	Yes	N.A.
5.	Form 32	u/s 303 (2)	Appointment of following as additional directors w.e.f. 5.7.2012 i) Mr. Nageswara Rao Guntur ii) Mr. Manaskumar Dass iii) Mr. Bharat Choudhary Cessation of Mr. Satish Sarangi as Director w.e.f 05/07/2012	19/11/2012	No	Yes
6.	Form 32	u/s 303 (2)	Change in designation of following directors in AGM held on 7 th August, 2012 i) Mr. Nageswara Rao Guntur ii) Mr. Manaskumar Dass iii) Mr. Bharat Choudhary	19/11/2012	No	Yes
7.	Form 32	u/s 303 (2)	Cessation of Mr. Nagabhushana Rao Vaddi as Director w.e.f 02/07/2012	19/11/2012	No	Yes

Sd/-

Kaushik M. Jhaveri & Co.
Practising Company Secretary
C.P. No. : 2592

Place : Mumbai

Date : 7th May, 2013

Independent Auditor's Report

To the Members of
NPCIL-INDIANOIL NUCLEAR ENERGY CORPORATION LTD.

Report on the Financial Statements

We have audited the accompanying financial statements of NPCIL-INDIANOIL NUCLEAR ENERGY CORPORATION LTD. ("the Company"), which comprise the Balance Sheet as at 31st March 2013, and the Statement of Profit and Loss and Cash Flow Statement for the year then ended, and a summary of significant accounting policies and other explanatory information.

Management's Responsibility for the Financial Statements

Management is responsible for the preparation of these financial statements that give a true and fair view of the financial position, financial performance and cash flows of the Company in accordance with the Accounting Standards referred to in sub-section (3C) of section 211 of the Companies Act, 1956 ("the Act"). This responsibility includes the design, implementation and maintenance of internal control relevant to the preparation and presentation of the financial statements that give a true and fair view and are free from material misstatement, whether due to fraud or error.

Auditor's Responsibility

Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with the Standards on Auditing issued by the Institute of Chartered Accountants of India. Those Standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the Company's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances. An audit

also includes evaluating the appropriateness of accounting policies used and the reasonableness of the accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Opinion

In our opinion and to the best of our information and according to the explanations given to us, the financial statements give the information required by the Act in the manner so required and give a true and fair view in conformity with the accounting principles generally accepted in India:

- a) in the case of the Balance Sheet, of the state of affairs of the Company as at 31st March 2013;
- b) in the case of the Statement of Profit and Loss, of the profit of the Company for the year ended on that date; and
- c) in the case of the Cash Flow Statement, of the cash flows of the Company for the year ended on that date.

Report on Other Legal & Regulatory Requirements

1. The Company is also governed by The Atomic Energy Act, 1962; the provisions of the said Act have prevailed wherever they have been inconsistent with the provisions of the Companies Act, 1956.
2. As required by the Companies (Auditor's Report) Order, 2003 issued by the Central Government of India in terms of sub-section (4A) of section 227 of the Act, we give in the Annexure a statement on the matters specified in paragraphs 4 and 5 of the Order.
3. As required by section 227(3) of the Act, we report that:
 - a) we have obtained all the information and explanations which to the best of our knowledge and belief were necessary for the purpose of our audit;
 - b) in our opinion, proper books of account as required by law have been kept by the Company so far as appears from our examination of those books;
 - c) the Balance Sheet, Statement of Profit and Loss, and Cash Flow Statement dealt with by this Report are in agreement with the books of account;

- d) in our opinion, the Balance Sheet, Statement of Profit and Loss, and Cash Flow Statement comply with the Accounting Standards referred to in sub section (3C) of section 211 of the Companies Act, 1956;
- e) Being a Government Company, pursuant to Notification No. G.S.R. 829 (E) dated 21.10.2003 issued by the Department of Company Affairs, Government of India, provisions of clause (g) of sub-section (1) of section 274 of the Companies Act, 1956 are not applicable to the Company.

For PORWAL & PORWAL
CHARTERED ACCOUNTANTS
FRN. 118727W

Sd/-

(N.N. PORWAL)

Partner

Place : Mumbai

Date : 07/05/2013

Membership No.: 049610

Annexure to the Independent Auditor's Report

Statement referred to in paragraph 2 of our report on Other Legal & Regulatory Requirements of even date on the accounts of NPCIL-INDIANOIL NUCLEAR ENERGY CORPORATION LTD. for the year ended 31st March 2013.

- (i) There are no fixed assets, hence the question of maintaining proper records, its physical verification by the management or disposal of its substantial part does not arise.
- (ii) There is no inventory, hence the clause of physical verification, its procedures and maintaining proper records of inventory is not applicable.
- (iii) The Company has not granted nor taken any loans, secured or unsecured to or from companies, firms or other parties covered in the register maintained under section 301 of the Companies Act, 1956, hence this clause is not applicable.
- (iv) The Company has not started any commercial activities, hence the clause of adequate internal control system being commensurate with the size of the Company and the nature of its business with regard to purchase of inventory and fixed assets & sale of goods and services is not applicable.
- (v) According to information and explanations provided to us, there are no contracts or arrangements referred to in section 301 of the Companies Act.
- (vi) The Company has not accepted any deposits from the public.
- (vii) As informed to us, the Company does not have internal audit system.
- (viii) According to the information & explanations given to us, the Central Government has prescribed the maintenance of cost records by the Company under Section 209(1) (d) of the Companies Act, 1956. However, the Company has not started operations during the year, hence no accounts or records have been made and maintained by the Company.
- (ix) As there are no statutory dues, this clause is not applicable.
- (x) The Company has been in existence for a period of less than five years, hence the clause of accumulated losses and cash losses is not applicable.
- (xi) The Company has not taken any loan from financial institution or bank, hence the clause of default in repayment of dues to the said parties is not applicable.
- (xii) The Company has not granted any loans and advances on the basis of security by way of pledge of shares, debentures and other securities.
- (xiii) The Company is not a chit/nidhi/mutual benefit fund/society, hence this clause is not applicable.
- (xiv) The Company is not dealing or trading in shares, securities, debentures & other investments.
- (xv) Based on the information and explanations given to us, the Company has not given any guarantee for loan taken by others from banks or financial institutions.
- (xvi) The Company has not raised term loans during the year.
- (xvii) The Company has not raised any funds on short term basis, hence this clause is not applicable.
- (xviii) During the year the Company has not made any preferential allotment of shares to parties and companies covered in the register maintained under section 301 of the Companies Act, 1956.
- (xix) The Company has not issued any debentures during the year.
- (xx) The Company has not raised money by public issues during the year.
- (xxi) Based on the audit procedure performed and information and explanation given to us by the management, no fraud on or by the Company has been noticed or reported during the year.

For PORWAL & PORWAL
CHARTERED ACCOUNTANTS
FRN. 118727W

Sd/-

(N.N. PORWAL)

Partner

Membership No.: 049610

Place : Mumbai
Date : 07/05/2013

Comments of the Comptroller and Auditor General of India

COMMENTS OF THE COMPTROLLER AND AUDITOR GENERAL OF INDIA UNDER SECTION 619 (4) OF THE COMPANIES ACT, 1956 ON THE ACCOUNTS OF THE NPCIL-INDIANOIL NUCLEAR ENERGY CORPORATION LTD. FOR THE YEAR ENDED 31 MARCH 2013.

The preparation of financial statements of **NPCIL-INDIANOIL NUCLEAR ENERGY CORPORATION LTD.** for the year ended 31 March 2013 in accordance with the financial reporting framework prescribed under the Companies Act 1956 is the responsibility of the management of the Company. The Statutory Auditor appointed by the Comptroller and Auditor General of India under Section 619(4) of the Companies Act, 1956 is responsible for expressing opinion on these financial statements under Section 227 of the Companies Act, 1956 based on independent audit in accordance with the auditing and assurance standards prescribed by their professional body, the Institute of Chartered Accountants of India. This is

stated to have been done by them vide their Audit Report dated **07.05.2013**.

I, On behalf of the Comptroller and Auditor General of India, have decided not to review the report of Statutory Auditors on the accounts of **NPCIL-INDIANOIL NUCLEAR ENERGY CORPORATION LTD.** for the year ended 31 March 2013 and as such have no comments to make under section 619(4) of the Companies Act, 1956.

For and on the behalf of the
Comptroller and Auditor General of India

Sd/-
(John K. Sellate)

Place : New Delhi
Dated : 18.06.2013

Pr. Director of Commercial Audit &
Ex-officio Member, Audit Board-IV

Balance Sheet as at 31st March 2013

Particulars	Note No.	(In ₹)	
		As at 31 st March 2013	As at 31 st March 2012
I. EQUITY & LIABILITIES			
1. Shareholder's Funds			
a) Share Capital	1	1,00,00,000	1,00,00,000
b) Reserves and Surplus	2	(7,10,853)	(11,91,379)
2. Share Application Money pending allotment			
		-	-
3. Non Current Liabilities			
		-	-
4. Current Liabilities			
a) Other Current Liabilities	3	5,79,091	3,83,079
b) Short Term Provisions	4	2,64,950	-
TOTAL		1,01,33,188	91,91,700
II. ASSETS			
1. Non Current Assets			
		-	-
2. Current Assets			
a) Cash & Cash Equivalents	5	91,17,114	91,91,700
b) Short Term Loans and Advances	6	2,64,950	-
c) Other Current Assets	7	7,51,124	-
TOTAL		1,01,33,188	91,91,700

The Significant Accounting Policies (I) and Notes (II) are an integral part of this Financial Statements.

As per our Audit Report of even date attached

For Porwal & Porwal
Chartered Accountants
FRN. 118727W

Sd/-
(N. N. PORWAL)
Partner
M. No. 049610

Place : Mumbai
Date : 07.05.2013

For and on behalf of
NPCIL - INDIANOIL NUCLEAR ENERGY CORPORATION LIMITED

Sd/-
(M.K. Dass)
Director

Sd/-
(B.B. Choudhary)
Director

Sd/-
(M.K. Balaji)
Director

Sd/-
(G. Nageswara Rao)
Chairman

Statement of Profit and Loss for the year ended on 31st March 2013

Particulars	Note No.	(In ₹)	
		For the year ended 31 st March 2013	For the period ended 31 st March 2012
I. INCOME / REVENUE			
Revenue from Operations		-	-
Other Income	8	8,34,582	-
TOTAL REVENUE		8,34,582	-
II. EXPENSES			
Administration and Other Expenses	9	89,106	11,91,379
TOTAL EXPENSES		89,106	11,91,379
III. Profit before exceptional and extraordinary items and tax		7,45,476	(11,91,379)
IV. Exceptional items		-	-
V. Profit before extraordinary items and tax		7,45,476	(11,91,379)
VI. Extraordinary Items		-	-
VII. Profit before tax		7,45,476	(11,91,379)
VIII. TAX EXPENSES			
1) Current Tax		2,64,950	-
2) Deferred Tax		-	-
IX. PROFIT/(LOSS) FOR THE PERIOD (VII - VIII)		4,80,526	(11,91,379)
X. EARNING PER EQUITY SHARE (FV of ₹ 10/- each)			
Basic & Diluted		0.48	-1.19

The Significant Accounting Policies (I) and Notes (II) are an integral part of this Financial Statements.

As per our Audit Report of even date attached

For Porwal & Porwal
Chartered Accountants
FRN. 118727W

Sd/-
(N. N. PORWAL)
Partner
M. No. 049610

Place : Mumbai
Date : 07.05.2013

For and on behalf of
NPCIL - INDIANOIL NUCLEAR ENERGY CORPORATION LIMITED

Sd/-
(M.K. Dass)
Director

Sd/-
(B.B. Choudhary)
Director

Sd/-
(M.K. Balaji)
Director

Sd/-
(G. Nageswara Rao)
Chairman

Cash Flow Statement for the year ended on 31st March 2013

Particulars	(In ₹)	
	2012-13	2011-12
A CASH FLOW FROM OPERATING ACTIVITIES:		
Net Profit/(Loss) before tax and extraordinary items	745,476	(11,91,379)
Adjustments for:		
Increase/(Decrease) in Current liabilities	1,96,012	3,83,079
(Increase)/Decrease in Current Assets	(7,51,124)	-
CASH FROM OPERATING ACTIVITIES	1,90,364	-
less : Taxes Paid	2,64,950	-
NET CASH FROM OPERATING ACTIVITIES	(74,586)	(8,08,300)
B CASH FLOW FROM INVESTING ACTIVITIES		
NET CASH (USED IN) / FROM INVESTING ACTIVITIES	-	-
C CASH FLOW FROM FINANCING ACTIVITIES		
Proceeds from issue of Equity share capital	-	1,00,00,000
NET CASH (USED IN) / FROM FINANCING ACTIVITIES	-	1,00,00,000
Net (Decrease)/Increase in cash and Cash Equivalents (A+B+C)	(74,586)	91,91,700
Cash & Cash equivalents as at the commencement of the period	91,91,700	-
Cash & Cash equivalents as at the close of the period	91,17,114	91,91,700

As per our Audit Report of even date attached

For Porwal & Porwal
Chartered Accountants
FRN. 118727W

Sd/-
(N. N. PORWAL)
Partner
M. No. 049610

Place : Mumbai
Date : 07.05.2013

For and on behalf of
NPCIL - INDIANOIL NUCLEAR ENERGY CORPORATION LIMITED

Sd/-
(M.K. Dass)
Director

Sd/-
(B.B. Choudhary)
Director

Sd/-
(M.K. Balaji)
Director

Sd/-
(G. Nageswara Rao)
Chairman

Significant Accounting Policies

and notes to accounts for the year ended on 31st March 2013

Company Overview

The Company NPCIL- Indian Oil Nuclear Energy Corporation Limited is a Public Limited Company having an Authorised Share Capital of ₹ 10,00,00,000/- incorporated on 06.04.2011 having its registered office in Mumbai, Maharashtra.

The business activity of the Company is Development of Nuclear Power, Protection of Environment, Manufacturing of Nuclear Components and Trading of Electricity. The commencement of business certificate is dated 26th May 2011. The Company has not yet commenced its business activities.

I. Significant Accounting Policies

A. Basis of Accounting & Preparation of Financial Statements

The Financial statements of the Company have been prepared in accordance with the Generally Accepted Accounting Principles in India (Indian GAAP) to comply with the Accounting Standards notified under the Companies (Accounting Standards) Rules, 2006 (as amended) & the relevant provisions of the Companies Act, 1956. The financial statements have been prepared on accrual basis under the historical cost convention.

B. Use of Estimates

The preparation of the financial statements in conformity with Indian GAAP requires the Management to make estimates & assumptions considered in the reported amounts of assets & liabilities (including contingent liabilities) and the reported income & expenses during the period. The Management believes that the estimates used in the preparation of financial statements are prudent & reasonable. Future results could differ due to these estimates and the differences between the actual results & the estimates are recognised in the periods in which the results are known/materialise.

C. Cash & Cash Equivalents

Cash comprises of cash in current account and term deposit with bank.

D. Cash Flow Statement

Cash flows are reported using the indirect method, whereby profit/(loss) before extraordinary items & tax

is adjusted for the effects of transactions of non-cash nature & any deferrals or accruals of past or future cash receipts & payments. The cash flows from operating, investing & financing activities of the Company are segregated based on available information.

E. Deferred Tax

Deferred Tax Assets on carried forward losses are recognised & carried forward to the extent that there is a virtual certainty that sufficient future taxable income will be available against which such deferred tax assets can be realised.

II Notes Forming Part of the Financial Statements

for the year ended 31st March 2013

1. Share Capital

(i) Details of Authorised, Issued, Subscribed and Paid up Share Capital:

Particulars	(In ₹)	
	As at 31 st March 2013	As at 31 st March 2012
Authorised Share Capital		
1,00,00,000 Equity shares of ₹ 10/- each	10,00,00,000	10,00,00,000
Issued, Subscribed and Paid up Share Capital		
(10,00,000 Equity Shares of ₹ 10/- fully paid up.)	1,00,00,000	1,00,00,000
TOTAL	1,00,00,000	1,00,00,000

(ii) The Company is a public limited company with 74% share holding by Nuclear Power Corporation of India Limited (NPCIL) and its nominees and 26% share holding by Indianoil Corporation Ltd.(IOCL) and its nominee. All the Shares are general equity shares having equal rights and are issued at par for value ₹ 10/- each. The shares are not listed in any of the Stock Exchange within India or outside the country as at 31.03.2013.

(iii) Reconciliation of number of Shares Outstanding at the beginning & end of the reporting period.

Particulars	(In ₹)	
	As at 31 st March 2013	As at 31 st March 2012
Equity Share at the beginning of the period (in Numbers)	10,00,000	-
Equity Share Allotted during the period (in Numbers)	-	10,00,000
Equity Share at the end of the period (in Numbers)	10,00,000	10,00,000

(iv) Reconciliation of money received pending allotment of Equity Shares at the beginning & end of the reporting period.

Particulars	(In ₹)	
	As at 31 st March 2013	As at 31 st March 2012
Money received pending allotment of Shares at the beginning of the period	-	-
Add : Money received for issue of Shares during the period	-	1,00,00,000
Less : Money utilised for issue of Equity Share during the period	-	1,00,00,000
Money received pending allotment of Shares at the end of the period	-	-

2. Reserves and Surplus

Particulars	(In ₹)	
	As at 31 st March 2013	As at 31 st March 2012
Opening Balance	(11,91,379)	-
Add : Net Profit/(Net Loss) for the current period	4,80,526	(11,91,379)
Closing Balance	(7,10,853)	(11,91,379)

II Notes Forming Part of the Financial Statements

for the year ended 31st March 2013

3. Other Current Liabilities

Particulars	(In ₹)	
	As at 31 st March 2013	As at 31 st March 2012
Outstanding Expenses payable to NPCIL	5,49,872	3,36,043
Outstanding Expenses payable to IOCL.	-	35,800
Outstanding Expenses payable to Others	17,983	-
Audit Fee payable	11,236	11,236
TOTAL	5,79,091	3,83,079

4. Short Term Provisions

Particulars	(In ₹)	
	As at 31 st March 2013	As at 31 st March 2012
Provision for Income Tax	2,64,950	-
TOTAL	2,64,950	-

5. Cash & Cash Equivalents

Particulars	(In ₹)	
	As at 31 st March 2013	As at 31 st March 2012
Balances with Scheduled Banks:		
Current Accounts' Balance	117,114	91,91,700
Deposit Accounts' Balance (See description note (i))	90,00,000	-
TOTAL	91,17,114	91,91,700

(i) Term Deposit with Bank for 1Year placed on 12.04.2012 @9.25% per annum, Maturity Date 12.04.2013, Maturity Value ₹ 98,61,825.

6. Short Term Loans and Advances

Particulars	(In ₹)	
	As at 31 st March 2013	As at 31 st March 2012
Advance Income Tax	1,81,492	-
TDS Receivable	83,458	-
TOTAL	2,64,950	-

7. Other Current Assets

Particulars	(In ₹)	
	As at 31 st March 2013	As at 31 st March 2012
Interest Accrued But not Due on Deposit	7,51,124	-
TOTAL	7,51,124	-

II Notes Forming Part of the Financial Statements

for the year ended 31st March 2013

8. Other Income

Particulars	(In ₹)	
	Year ended 31 st March 2013	Period ended 31 st March 2012
Interest Income		
i) on deposits with Nationalised Banks	8,34,582	-
TOTAL	8,34,582	-

9. Administrative and Other Expenditure

Particulars	Description Note No.	(In ₹)	
		Year ended 31 st March 2013	Period ended 31 st March 2012
Preliminary Expenses	9 (i)	-	11,80,143
Audit Fees	9 (ii)	11,236	11,236
Consultancy Expenses		32,337	-
Filing Fees		39,983	-
Miscellaneous Expenditure		5,000	-
Bank Charges		550	-
TOTAL		89,106	11,91,379

9. (i) Details of Preliminary Expenses are given below:

Particulars	(In ₹)	
	Year ended 31 st March 2013	Period ended 31 st March 2012
Stamp Duty	-	2,00,300
Registration and ROC filing fees	-	6,08,800
Legal & Professional fees	-	3,71,043
TOTAL	-	11,80,143

9. (ii) Details of Audit Fees are given below:

Particulars	(In ₹)	
	Year ended 31 st March 2013	Period ended 31 st March 2012
Statutory Audit Fees	11,236	11,236
TOTAL	11,236	11,236

10. The accounts of the Company for the last financial year are drawn up from the date of incorporation i.e., 6th April 2011 upto 31st March 2012.

11. Preliminary expenses prior to incorporation of the Company are charged to Profit & Loss Account.

II Notes Forming Part of the Financial Statements

for the year ended 31st March 2013

12. No deferred tax was recognised on the grounds of prudence.
13. There is no Contingent Liability as at the Balance Sheet date.
14. Previous year figures have been regrouped/rearranged, wherever found necessary.

As per our Audit Report of even date attached

For Porwal & Porwal
Chartered Accountants
FRN. 118727W

Sd/-
(N. N. PORWAL)
Partner
M. No. 049610

Place : Mumbai
Date : 07.05.2013

For and on behalf of
NPCIL - INDIANOIL NUCLEAR ENERGY CORPORATION LIMITED

Sd/-
(M.K. Dass)
Director

Sd/-
(B.B. Choudhary)
Director

Sd/-
(M.K. Balaji)
Director

Sd/-
(G. Nageswara Rao)
Chairman



Nuclear Power Corporation of India Limited

NPCIL – NALCO POWER COMPANY LIMITED

DIRECTORS' REPORT

Dear Stakeholders,

Your Directors have immense pleasure in presenting the 1st Annual Report of the Company, together with Audited Accounts for the period ended 31st March 2013.

Financial Results

The Company has not yet commenced its commercial operations. As per the extant accounting policy, Preliminary Expenses & Pre-operative Expenditure incurred up to 31st March 2013 of ₹ 4,37,179 has been charged to the Profit & Loss Account for period ended on 31st March 2013

Financial results	for the period ending on 31.03.2013
Total Income (Other Income)	Nil
Profit / (Loss) before Tax	(₹ 4,37,179)
Less : Provision for Tax	Nil
Profit / (Loss) after Tax	(₹ 4,37,179)

Deposits

During the year under review, the Company has not accepted any deposit from the Public.

Capital Expenditure

The Company has not made any capital expenditure.

Share Capital and Finance

The initial Authorised Share Capital of the Company is ₹ 1,00,00,000 (Rupees One crore).

During the year, the Shareholders have paid ₹ 10,00,000 (Rupees Ten Lac) towards Share Capital of the Company.

Project Identification

The discussions were held between NPCIL and NALCO, the promoters of the Company, for identification of the Project Site and technology route to be taken up by the Company. It was decided that the Company may take up 2 x 700 MW PHWR units at Kakrapar, Gujarat.

The Board of NNPCIL has been kept updated by NPCIL about the status of various pre-project activities including land acquisition undertaken in respect of the project. Formal allotment of project to the Company by the Government is awaited.

Disclosure of Particulars

The Company did not carry out business activities and hence there are no particulars to be disclosed as per Companies (Disclosure of Particulars in the Report of Board of Directors) Rules, 1988.

Particulars of Employees U/S 217 (2A)

There are no employees covered by the provisions of Section 217 (2A) of the Companies Act, 1956, read with the Companies (Particulars of Employees) Rules, 1975.

Directors' Responsibility Statement

As required under Section 217 (2AA) of the Companies Act, 1956, the Directors confirm:

- I. that in the preparation of the annual accounts, the accounting standards have been followed to the extent applicable and there has been no material departure;
- II. that the selected accounting policies were applied consistently and the Directors made judgement and estimates that are reasonable and prudent so as to give a true and fair view of the state of affairs of the Company as on 31st March 2013 and of the profit or loss of the Company for that period;
- III. that proper and sufficient care has been taken for the maintenance of adequate accounting records in accordance with the provisions of the Companies Act, 1956 for safeguarding the assets of the Company and for preventing and detecting fraud and other irregularities;
- IV. that the annual accounts have been prepared on a going concern basis.

Directors

The current Directors of the Company are:

1. Shri Preman Dinaraj
2. Shri R. K. Gargye
3. Shri L.K. Jain
4. Shri Ashok Chauhan
5. Shri K.C. Samal

Changes in the Board of Directors

1. Consequent to superannuation of Shri M. K. Kannan, Associate Director (Business Development), NPCIL on 30.11.2012, NPCIL has nominated Shri Ashok

Chauhan, Executive Director (Fuel Cycle Management & Safeguards), NPCIL as Director on the Board of the Company.

2. Further, tenure of Shri B.L. Bagra, Director ended w.e.f. 1st May 2013 consequent to end of his tenure as Director(Finance), NALCO. Shri K.C. Samal, Executive Director(Finance), NALCO has been nominated in place of Shri B.L. Bagra.
3. The Board welcomes appointment of Shri Ashok Chauhan, Shri K.C. Samal and places on record its sincere appreciation of the valuable services rendered by Shri B.L. Bagra and Shri M.K. Kannan during their association with the Company.

Audit Committee

The Audit Committee has not been constituted as the formation of the Audit Committee as per the Companies Act, 1956 is mandatory for the Companies having Paid-up Share Capital more than ₹ 5 crore.

The Role, Terms of Reference, the Authority and Power of the Audit Committee when constituted would be in conformity with the requirements of the Companies Act, 1956 for an Audit Committee.

Secretarial Compliance Certificate

The Company has obtained a Compliance Certificate pursuant to the provisions of Section 383A of the Companies Act, 1956 from M/s. K.M. Jhaveri & Co. a firm of Practising Company Secretaries. The Compliance Certificate is annexed to this Report.

Statutory Auditors

The Statutory Auditors of your Company are appointed by the Comptroller & Auditor General of India. M/s. K.K. Naulakha & Co., Chartered Accountants, Mumbai were appointed as Statutory Auditors for the Financial Year ended on 31st March, 2013.

Observations of the Statutory Auditors

The Auditors' Report to the Shareholders does not contain any qualifications.

The notes to the accounts referred to in the Auditors' Report are self-explanatory and therefore do not call for any further comments of Directors.

Comments of the Comptroller And Auditor General Of India

The Comptroller and Auditor General of India, have decided not to review the report of Statutory Auditors on the Accounts of NPCIL-NALCO Power Company Ltd. for the year ended 31st March 2013 and as such have no comments to make under Section 619(4) of the Companies Act, 1956.

Acknowledgements

The Directors acknowledge the invaluable support extended to the Company by the employees and management of the parent companies.

For and on behalf of the Board of Directors

Sd/-
(Preman Dinaraj)
Chairman

Place : Mumbai

Date : 19th June 2013.

Compliance Certificate

(under sub-section (1) of section 383A of the Companies Act, 1956)

CIN of Company: U40300MH2012GOI227632

Nominal Capital: ₹ 1,00,00,000/-

Paid up Capital: ₹ 10,00,000/-

To,
The Members

NPCIL – NALCO Power Company Limited

16th Floor, Centre 1, World Trade Centre,
Cuffe Parade, Colaba
Mumbai- 400 005

We have examined the registers, records, books and papers of NPCIL - NALCO Power Company Limited as required to be maintained under the Companies Act, 1956, (the Act) and the rules made thereunder and also the provisions contained in the Memorandum and Articles of Association of the Company from the date of incorporation i.e. 2nd March, 2012 upto 31st March, 2013 (the period). In our opinion and to the best of our information and according to the examinations carried out by us and explanations furnished to us by the Company, its officers and agents, we certify that in respect of the aforesaid period:

1. The Company has kept and maintained all registers as stated in Annexure 'A' to this certificate, as per the provisions of the Act and the rules made thereunder and all entries therein have been generally recorded.
2. The Company has filed the forms and returns as stated in Annexure 'B' to this certificate, with the Registrar of Companies, Maharashtra under the Act and the rules made thereunder.
3. The Company, being a public limited company, comments are not required.
4. The Board of Directors met Four (4) times respectively on 16th March, 2012, 22nd June, 2012, 24th December, 2012 and 26th March, 2013 in respect of which meetings generally notices were given and the proceedings were generally recorded and signed in the Minutes Book maintained for the purpose. *No Board Meeting was held during quarter ended July to September, 2012.* There were no circular resolutions passed.
5. The Company was not required to close its Registers of Member during the period.
6. The Company was incorporated on 2nd March, 2012. Being the first financial year of the Company, no Annual General Meeting was held during the period.
7. No Extra Ordinary General Meeting was held during the period.
8. The Company has not advanced any loans to its directors or persons or firms or companies referred in Section 295 of the Act.
9. The Company has not entered into any contract falling within the purview of Section 297 of the Act.
10. The Company was not required to make any entries in the register maintained under Section 301 of the Act.
11. As there were no instances falling within the purview of section 314 of the Act, the Company has not obtained any approvals from the Board of directors, members or Central Government.
12. The Company has not issued any duplicate share certificates during the period.
13. The Company:
 - (i) is in process of issuing share certificates to the subscribers of the Company. There was no transfer/ transmission of shares during the period.
 - (ii) to (v) comments are not applicable being the first financial year of the Company.
14. The Board of Directors of the Company is duly constituted. There was appointment of directors during the period based on Joint Venture Agreement which is part of Articles of Association. There was no appointment of additional directors, alternate directors and directors to fill casual vacancy during the financial year.
15. The Company has not appointed any Managing Director/ Whole-time Director/ Manager during the period.
16. The Company has not appointed any sole selling agent during the period.
17. The Company has obtained approval from Registrar of Companies towards the Commencement of Business. The Company was not required to obtain any approval of Central Government, Company Law Board, Regional Director and/or such authorities as may be prescribed under the various provisions of the Act.

18. The Directors have disclosed their interest in other firms / companies to the Board of Directors pursuant to the provisions of the Act and the rules made thereunder.
19. The Company has not issued any shares/ debentures/ other securities during the period.
20. The Company has not bought back any shares during the period.
21. The Company has no preference shares or debentures, therefore comments in respect of redemption of preference shares or debentures are not applicable.
22. There were no transactions necessitating the Company to keep in abeyance the rights to dividend, rights shares and bonus shares pending registration of transfer of shares.
23. The Company has not invited / accepted any deposits including any unsecured loans falling within the purview of section 58A during the financial year.
24. The Company has not made borrowings during the period ended on 31st March, 2013.
25. The Company has not made loans and investment or given guarantees or provided securities to other bodies corporate.
26. The Company has not altered the provisions of the Memorandum with respect to situation of the Company's registered office from one State to another during the period under scrutiny.
27. The Company has not altered the provisions of the Memorandum with respect to the objects of the Company during the period under scrutiny.
28. The Company has not altered the provisions of the Memorandum with respect to name of the Company during the period under scrutiny.
29. The Company has not altered the provisions of the Memorandum with respect to share capital of the Company during the period under scrutiny.
30. The Company has not altered its Articles of Association during the period.
31. There was no prosecution initiated against or show cause notice received by the Company and no fines or penalties or any other punishment was imposed on the Company during the period, for offences under the Act.
32. As informed to us, the Company does not have any employee during the period. Hence, receipt of any money as security from its employees during the period does not arise.
33. As informed to us, the Company does not have any employee during the financial year. Hence, constituting a separate provident fund trust for its employees or class of its employees as contemplated under section 418 of the Act does not arise.

Sd/-

Kaushik M. Jhaveri & Co.
Practising Company Secretary
C.P. No. : 2592

Place : Mumbai

Date : 22nd May, 2013

Annexure A

Registers as maintained by the Company:

1. Register of Members and Share Ledger	u/s 150
2. Register of Share Transfer	
3. Minutes Book of Proceedings of Board Meeting	u/s 193
4. Minutes Book of Proceedings of General Meeting	u/s 193
5. Register of Directors, Managing Directors, Managers and Secretary	u/s 303
6. Register of Directors' Shareholdings	u/s 307
7. Register of Disclosure	u/s 301 (3)

Annexure B

The Company has filed following forms and returns with Registrar of Companies, Maharashtra during the period under report i.e., 2nd March, 2013.

Sr. No.	Form No./ Return	Filed under Section	For	Date of filing	Whether filed within prescribed time Yes / No	If delay in filing whether requisite additional fee paid Yes / No
1.	Form 20	u/s 149	Certificate of Commencement of Business	04/05/2013	Yes	N.A.
2.	Form 32	u/s 303 (2)	Cessation of Mr. M. K. Kannan as Director	09/03/2013	No	Yes
3.	Form 32	u/s 303 (2)	Appointment of Mr. Ashok Chauhan as Director	23/04/2013	Yes	N.A.
4.	Form 32	u/s 303 (2)	Appointment of Mr. K.C. Samal as Director and Cessation of Mr. Bajrang Lal Bagra	30/05/2013	Yes	N.A.

Sd/-

Kaushik M. Jhaveri & Co.
Practising Company Secretary
C.P. No. : 2592

Place : Mumbai

Date : 22nd May, 2013

Independent Auditor's Report

To the Members of

NPCIL – NALCO POWER COMPANY LIMITED

Report on the Financial Statements

We have audited the accompanying financial statements of NPCIL – NALCO POWER COMPANY LIMITED (“the Company”), which comprise the Balance Sheet as at 31st March 2013, and the Statement of Profit and Loss and Cash Flow Statement for the period then ended, and a summary of significant accounting policies and other explanatory information.

Management's Responsibility for the Financial Statements

Management is responsible for the preparation of these financial statements that give a true and fair view of the financial position, financial performance and cash flows of the Company in accordance with the Accounting Standards referred to in sub-section (3C) of section 211 of the Companies Act, 1956 (“the Act”). This responsibility includes the design, implementation and maintenance of internal control relevant to the preparation and presentation of the financial statements that give a true and fair view and are free from material misstatement, whether due to fraud or error.

Auditor's Responsibility

Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with the Standards on Auditing issued by the Institute of Chartered Accountants of India. Those Standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the Company's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances. An audit

also includes evaluating the appropriateness of accounting policies used and the reasonableness of the accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Opinion

In our opinion and to the best of our information and according to the explanations given to us, the financial statements give the information required by the Act in the manner so required and give a true and fair view in conformity with the accounting principles generally accepted in India:

- a) in the case of the Balance Sheet, of the state of affairs of the Company as at 31st March 2013;
- b) in the case of the Statement of Profit and Loss, of the loss of the Company for the period ended on that date; and
- c) in the case of the Cash Flow Statement, of the cash flows of the Company for the period ended on that date.

Report on Other Legal & Regulatory Requirements

1. The Company is also governed by The Atomic Energy Act, 1962; the provisions of the said Act have prevailed wherever they have been inconsistent with the provisions of the Companies Act, 1956.
2. As required by the Companies (Auditor's Report) Order, 2003 issued by the Central Government of India in terms of sub-section (4A) of section 227 of the Act, we give in the Annexure a statement on the matters specified in paragraphs 4 and 5 of the Order.
3. As required by section 227(3) of the Act, we report that:
 - a) we have obtained all the information and explanations which to the best of our knowledge and belief were necessary for the purpose of our audit;
 - b) in our opinion, proper books of account as required by law have been kept by the Company so far as appears from our examination of those books;
 - c) the Balance Sheet, Statement of Profit and Loss, and Cash Flow Statement dealt with by this Report are in agreement with the books of account;

- d) in our opinion, the Balance Sheet, Statement of Profit and Loss, and Cash Flow Statement comply with the Accounting Standards referred to in sub section (3C) of section 211 of the Companies Act, 1956;
- e) Being a Government Company, pursuant to Notification No. G.S.R. 829 (E) dated 21.10.2003 issued by the Department of Company Affairs, Government of India, provisions of clause (g) of sub-section (1) of section 274 of the Companies Act, 1956 are not applicable to the Company.

For K K NAULAKHA & Co.
CHARTERED ACCOUNTANTS
FRN. 314049E

Sd/-
(K K NAULAKHA)

Partner
Membership No.: 051529

Place : Mumbai
Date : 22/05/2013

Annexure to the Independent Auditor's Report

Statement referred to in paragraph 2 of our report on Other Legal & Regulatory Requirements of even date on the accounts of NPCIL – NALCO POWER COMPANY LIMITED for the period ended 31st March 2013.

- (i) There are no fixed assets, hence the question of maintaining proper records, its physical verification by the management or disposal of its substantial part does not arise.
- (ii) There is no inventory, hence the clause of physical verification, its procedures and maintaining proper records of inventory is not applicable.
- (iii) The Company has not granted nor taken any loans, secured or unsecured to or from companies, firms or other parties covered in the register maintained under section 301 of the Companies Act, 1956, hence this clause is not applicable.
- (iv) The Company has not started any commercial activities, hence the clause of adequate internal control system being commensurate with the size of the Company and the nature of its business with regard to purchase of inventory and fixed assets & sale of goods and services is not applicable.
- (v) According to information and explanations provided to us, there are no contracts or arrangements referred to in section 301 of the Companies Act.
- (vi) The Company has not accepted any deposits from the public.
- (vii) As informed to us, the Company does not have internal audit system.
- (viii) According to the information & explanations given to us, the Central Government has prescribed the maintenance of cost records by the Company under Section 209(1) (d) of the Companies Act, 1956. However, the Company has not started operations during the period, hence no accounts or records have been made and maintained by the Company.
- (ix) As there are no statutory dues, this clause is not applicable.
- (x) The Company has been in existence for a period of less than five years, hence the clause of accumulated losses and cash losses is not applicable.
- (xi) The Company has not taken any loan from financial institution or bank, hence the clause of default in repayment of dues to the said parties is not applicable.
- (xii) The Company has not granted any loans and advances on the basis of security by way of pledge of shares, debentures and other securities.
- (xiii) The Company is not a chit/nidhi/mutual benefit fund/society, hence this clause is not applicable.
- (xiv) The Company is not dealing or trading in shares, securities, debentures & other investments.
- (xv) Based on the information and explanations given to us, the Company has not given any guarantee for loan taken by others from banks or financial institutions.
- (xvi) The Company has not raised term loans during the period.
- (xvii) The Company has not raised any funds on short term basis, hence this clause is not applicable.
- (xviii) During the period the Company has not made any preferential allotment of shares to parties and companies covered in the register maintained under section 301 of the Companies Act, 1956.
- (xix) The Company has not issued any debentures during the period.
- (xx) The Company has not raised money by public issues during the period.
- (xxi) Based on the audit procedure performed and information and explanation given to us by the management, no fraud on or by the Company has been noticed or reported during the period.

For K K NAULAKHA & Co.
CHARTERED ACCOUNTANTS
FRN. 314049E

Sd/-
(K K NAULAKHA)

Partner

Membership No.: 051529

Place : Mumbai
Date : 22/05/2013

Comments of the Comptroller and Auditor General of India

COMMENTS OF THE COMPTROLLER AND AUDITOR GENERAL OF INDIA UNDER SECTION 619 (4) OF THE COMPANIES ACT, 1956 ON THE ACCOUNTS OF THE NPCIL – NALCO POWER COMPANY LIMITED FOR THE YEAR ENDED 31 MARCH 2013.

The preparation of financial statements of **NPCIL – NALCO POWER COMPANY LIMITED** for the year ended 31 March 2013 in accordance with the financial reporting framework prescribed under the Companies Act 1956 is the responsibility of the management of the Company. The Statutory Auditor appointed by the Comptroller and Auditor General of India under Section 619(4) of the Companies Act, 1956 is responsible for expressing opinion on these financial statements under Section 227 of the Companies Act, 1956 based on independent audit in accordance with the auditing and assurance standards prescribed by their professional body, the Institute of Chartered

Accountants of India. This is stated to have been done by them vide their Audit Report dated **22.05.2013**.

I, On behalf of the Comptroller and Auditor General of India, have decided not to review the report of Statutory Auditors on the accounts of **NPCIL – NALCO POWER COMPANY LIMITED** for the year ended 31 March 2013 and as such have no comments to make under section 619(4) of the Companies Act, 1956.

For and on the behalf of the
Comptroller and Auditor General of India

Sd/-

(John K. Sellate)

Place : New Delhi

Dated : 18.06.2013

Pr. Director of Commercial Audit &
Ex-officio Member, Audit Board-IV

Balance Sheet as at 31st March 2013

Particulars	Note No.	(In ₹)
		As at 31 st March 2013
I. EQUITY & LIABILITIES		
1. Shareholder's Funds		
a) Share Capital	1	10,00,000
b) Reserves and Surplus	2	(4,37,179)
2. Share Application Money pending allotment		
		-
3. Non Current Liabilities		
		-
4. Current Liabilities		
Other Current Liabilities	3	4,37,179
TOTAL		10,00,000
II. ASSETS		
1. Non Current Assets		
		-
2. Current Assets		
Cash & Cash Equivalents	4	10,00,000
TOTAL		10,00,000

The Significant Accounting Policies (I) and Notes (II) are an integral part of this Financial Statements.

As per our Audit Report of even date attached

For K K NAULAKHA & CO.

Chartered Accountants
FRN. 314049E

Sd/-
(K K NAULAKHA)
Partner
M. No. 051529

Place : Mumbai
Date : 22.05.2013

For and on behalf of
NPCIL – NALCO POWER COMPANY LIMITED

Sd/-
(L.K.JAIN)
Director

Sd/-
(K.C.SAMAL)
Director

Sd/-
(A.CHAUHAN)
Director

Sd/-
(PREMAN DINARAJ)
Chairman

Statement of Profit and Loss for the period ended on 31st March 2013

Particulars	Note No.	(In ₹)
		For the period ended 31 st March 2013
I. INCOME / REVENUE		
Revenue from Operations		-
Other Income		-
TOTAL REVENUE		-
II. EXPENSES		
Administration and Other Expenses	5	4,37,179
TOTAL EXPENSES		4,37,179
III. Profit/(Loss) before exceptional and extraordinary items and tax (I -II)		(4,37,179)
IV. Exceptional items		-
V. Profit/(Loss) before extraordinary items and tax (III - IV)		(4,37,179)
VI. Extraordinary Items		-
VII. Profit/(Loss) before tax (V - VI)		(4,37,179)
VIII. TAX EXPENSES		
1) Current Tax		-
2) Deferred Tax		-
IX. PROFIT/(LOSS) FOR THE PERIOD (VII - VIII)		(4,37,179)
X. EARNING PER EQUITY SHARE (FV of ₹ 10/- each)		
Basic & Diluted		-4.37

The Significant Accounting Policies (I) and Notes (II) are an integral part of this Financial Statements.

As per our Audit Report of even date attached

For K K NAULAKHA & CO.

Chartered Accountants
FRN. 314049E

Sd/-
(K K NAULAKHA)
Partner
M. No. 051529

Place : Mumbai
Date : 22.05.2013

For and on behalf of
NPCIL – NALCO POWER COMPANY LIMITED

Sd/-
(L.K.JAIN)
Director

Sd/-
(K.C.SAMAL)
Director

Sd/-
(A.CHAUHAN)
Director

Sd/-
(PREMAN DINARAJ)
Chairman

Cash Flow Statement for the period ended on 31st March 2013

(In ₹)

Particulars	Period ended 31 st March, 2013	
A CASH FLOW FROM OPERATING ACTIVITIES:		
Net Profit before tax and extraordinary items		(4,37,179)
Adjustments for:		
Increase/(Decrease) in Current liabilities	4,37,179	4,37,179
NET CASH FROM OPERATING ACTIVITIES		-
B CASH FLOW FROM INVESTING ACTIVITIES		
NET CASH (USED IN) / FROM INVESTING ACTIVITIES		-
C CASH FLOW FROM FINANCING ACTIVITIES		
Proceeds from issue of Equity share capital	10,00,000	10,00,000
NET CASH (USED IN) / FROM FINANCING ACTIVITIES		10,00,000
Net (Decrease)/Increase in cash and Cash Equivalents (A+B+C)		10,00,000
Cash & Cash equivalents as at the commencement of the period		-
Cash & Cash equivalents as at the close of the period		10,00,000

As per our Audit Report of even date attached

For K K NAULAKHA & CO.

Chartered Accountants
FRN. 314049E

Sd/-
(K K NAULAKHA)
Partner
M. No. 051529

Place : Mumbai
Date : 22.05.2013

For and on behalf of
NPCIL – NALCO POWER COMPANY LIMITED

Sd/-
(L.K.JAIN)
Director

Sd/-
(K.C.SAMAL)
Director

Sd/-
(A.CHAUHAN)
Director

Sd/-
(PREMAN DINARAJ)
Chairman

Significant Accounting Policies

and notes to accounts for the period ended on 31st March 2013

Company Overview

The Company NPCIL – NALCO POWER COMPANY LIMITED is a Public Limited Company having an Authorised Share Capital of ₹ 1,00,00,000/- incorporated on 02.03.2012 having its registered office in Mumbai, Maharashtra.

The business activity of the Company is Development of Nuclear Power, Protection of Environment, Manufacturing of Nuclear Components and Trading of Electricity. The commencement of business certificate is dated 09th May 2012. The Company has not yet commenced its business activities.

I. Significant Accounting Policies

A. Basis of Accounting & Preparation of Financial Statements

The Financial statements of the Company have been prepared in accordance with the Generally Accepted Accounting Principles in India (Indian GAAP) to comply with the Accounting Standards notified under the Companies (Accounting Standards) Rules, 2006 (as amended) & the relevant provisions of the Companies Act, 1956. The financial statements have been prepared on accrual basis under the historical cost convention.

B. Use of Estimates

The preparation of the financial statements in conformity with Indian GAAP requires the Management to make estimates & assumptions considered in the reported amounts of assets & liabilities (including contingent liabilities) and the reported income & expenses during the period. The Management believes that the estimates used in the preparation of financial statements are prudent & reasonable. Future results could differ due to these estimates and the differences between the actual results & the estimates are recognised in the periods in which the results are known/materialise.

C. Cash & Cash Equivalents

Cash comprises of cash in current account.

D. Cash Flow Statement

Cash flows are reported using the indirect method, whereby profit/(loss) before extraordinary items & tax is adjusted for the effects of transactions of non-cash nature & any deferrals or accruals of past or future cash

receipts & payments. The cash flows from operating, investing & financing activities of the Company are segregated based on available information.

E. Deferred Tax

Deferred Tax Assets on carried forward losses are recognised & carried forward to the extent that there is a virtual certainty that sufficient future taxable income will be available against which such deferred tax assets can be realised.

II Notes Forming Part of the Financial Statements

for the period ended 31st March 2013

1. Share Capital

(i) Details of Authorised, Issued, Subscribed and Paid up Share Capital as at 31.03.2013 are given below:

Particulars	(In ₹)
	As at 31 st March 2013
Authorised Share Capital	
10,00,000 Equity shares of ₹ 10/- each	1,00,00,000
Issued, Subscribed and Paid up Share Capital	
1,00,000 Equity Shares of ₹ 10/- fully paid up	10,00,000
TOTAL	10,00,000

(ii) The Company is a public limited company with 74% share holding by Nuclear Power Corporation of India Limited (NPCIL) and its nominees and 26% share holding by National Aluminium Company Limited (NALCO) and its nominee. All the Shares are general equity shares having equal rights and are issued at par for value ₹ 10/- each. The shares are not listed in any of the Stock Exchange within India or outside the country as at 31.03.2013.

(iii) Reconciliation of number of Shares Outstanding at the beginning & end of the reporting period.

Particulars	(In ₹)
	As at 31 st March 2013
Equity Shares at the beginning of the period (in Numbers)	-
Equity Shares Allotted during the period (in Numbers)	1,00,000
Equity Shares at the end of the period (in Numbers)	1,00,000

(iv) Reconciliation of money received pending allotment of Equity Shares at the beginning & end of the reporting period.

Particulars	(In ₹)
	As at 31 st March 2013
Money received pending allotment of Shares at the beginning of the period	-
Add : Money received for issue of Shares during the period	10,00,000
Less : Money utilised for Issue of Equity Share during the period	10,00,000
Money received pending allotment of Shares at the end of the period	-

2. Reserves and Surplus

Particulars	(In ₹)
	As at 31 st March 2013
Opening Balance	-
Add : Net Profit/(Net Loss) for the current period	(4,37,179)
Closing Balance	(4,37,179)

II Notes Forming Part of the Financial Statements

for the period ended 31st March 2013

3. Other Current Liabilities

Particulars	(In ₹)	
	As at 31 st March 2013	
Outstanding Expenses payable to NPCIL		4,25,943
Audit Fee payable		11,236
TOTAL		4,37,179

4. Cash & Cash Equivalents

Particulars	(In ₹)	
	As at 31 st March 2013	
Balances with Scheduled Banks:		
Current Account Balance		10,00,000
TOTAL		10,00,000

5. Administrative and Other Expenditure

Particulars	Description Note No.	(In ₹)	
		Period ended 31 st March 2013	
Preliminary Expenses	5 (i)		3,93,606
Audit Fees	5 (ii)		11,236
Consultancy Charges			32,337
TOTAL			4,37,179

5. (i) Details of Preliminary Expenses are given below:

Particulars	(In ₹)	
	Period ended 31 st March 2013	
Stamp Duty		20,300
Registration Charges and ROC filing fees		1,60,100
Legal & Professional fees		2,13,206
TOTAL		3,93,606

5. (ii) Details of Audit Fees are given below:

Particulars	(In ₹)	
	Period ended 31 st March 2013	
Statutory Audit Fees		11,236
TOTAL		11,236

6. Being the first financial year of the Company, the accounts have been drawn up from the date of incorporation i.e., 2nd March 2012 upto 31st March 2013.
7. Preliminary expenses prior to incorporation of the Company are charged to Profit & Loss Account.
8. No deferred tax was recognised on the grounds of prudence.
9. There is no Contingent Liability as at the Balance Sheet date.

As per our Audit Report of even date attached

For K K NAULAKHA & CO.

Chartered Accountants
FRN. 314049E

Sd/-
(K K NAULAKHA)
Partner
M. No. 051529

Place : Mumbai
Date : 22.05.2013

For and on behalf of
NPCIL – NALCO POWER COMPANY LIMITED

Sd/-
(L.K.JAIN)
Director

Sd/-
(K.C.SAMAL)
Director

Sd/-
(A.CHAUHAN)
Director

Sd/-
(PREMAN DINARAJ)
Chairman

Caring for the People



Shri K. C. Purohit, Chairman & Managing Director, NPCIL during Distribution of School Aids to school children of Palghar and Dahanu, Thane District, Maharashtra at SWC Hall, TAPS-1&2 Colony



Construction of School Building at Main Primary School, Unchamala at Kakrapar, Gujarat as part of NPCIL's CSR initiative



Caring for the Planet

Tree Planting at KKNPP Site



Dr. R. K. Sinha
Secretary, Department of Atomic Energy and
Chairman, Atomic Energy Commission



Shri K. C. Purohit
CMD, NPCIL



Shri Preman Dinaraj
Director - Finance, NPCIL



Shri G. Nageswara Rao
Director - Operations, NPCIL



Shri I. A. Khan
Director, NPCIL



Dr. Nalini Bhat
Former Director, NPCIL



Nuclear Power Corporation of India Limited
(A Government of India Enterprise)

Registered Office
16th Floor, Centre - I, World Trade Centre,
Cuffe Parade, Colaba, Mumbai - 400 005, India.

www.npcil.nic.in



Download the report here:
http://npcil.nic.in/WriteReadData/NPCIL_AR_2013_Eng.pdf