

ACTIVITIES REPORT OF ENERGY DEPARTMENT FOR THE YEAR 2011-12

The Department of Energy was created on 24th April 1990 consequent upon bifurcation of the then Irrigation & Power Department. Electricity is one of the prime inputs for both the economic development as well as overall well being of the people. Increase in power generation has cascading effect on all sectors leading to increased growth particularly in industry, agriculture and other ancillary trade and business activities. The objective of the Government is to become self sufficient in Power Generation. The State of Odisha has the distinction of being the pioneer in the country in implementing reforms in power sector.

The present generation capacity of the State is:-

(a)	Hydro Generation (OHPC)	-	2085 MW
(b)	Thermal Power Station	-	880 MW
(c)	Central allocation.	-	1084 MW
(d)	Small Hydro Electric Projects (3 nos)	-	<u>57 MW</u>
	Total	-	4106 MW

At present the Department of Energy is functioning with 3 Heads of Department i.e.

- (1) E.IC (Elect)-cum-PCEI, Odisha, Bhubaneswar
- (2) CEI(T&D), Odisha, Bhubaneswar
- (3) CEI(P)-cum-CEI(G) , Odisha, Bhubaneswar

As well as four Public Sector Undertakings Viz. Odisha Hydro Power Corporation (OHPC), Odisha Power Generation Corporation (OPGC), Odisha Power Transmission Corporation (OPTCL) & GRIDCO Ltd.

The activities of the Department in respect of different public sector undertakings as well as Heads of Department are presented briefly as under:-

DEVELOPMENT OF SMALL HYDRO ELECTRIC PROJECTS (SHEPS) / MEDIUM HYDRO ELECTRICAL PROJECTS (MHEPS)

The development of Small/Mini /Micro Hydro Electric Project upto 25 MW is one of the important activities of this Department. Private Investors are encouraged to set up small hydro projects to enhance the generation capacity through renewable energy sources.

36 nos of Memorandum of Understanding have been signed with the private developers with installed capacity about 484 MW. Out of 36 nos of MoU signed, 3 Small Hydro Electric Projects (SHEPs), namely Middle Kolab (25 MW), Lower Kolab (12 MW) and Samal Barrage (20 MW) have been commissioned and supplying 57 MW power to the State. The balance 33 nos are under different stages of process.

Department is focusing on facilitating the implementation of MOUs by removing the bottlenecks in the execution of SHEPs. Due to inadequate manpower in DOWR, design & drawing approval process was getting badly delayed. WAPCOS, a Govt. of India agency, has been entrusted for approval of design & drawings. The Terms of Reference (ToR) has already been finalized in a joint meeting between Energy Department, Water Resources Deptt, and WAPCOs. Besides WAPCOS, expression of interest (EoI) has been invited from NITs, IITs & CWC for empanelment to bring in competition and to reduce the cost & time involved in the process. State Technical Committee (STC) has cleared 2 nos. of Detailed Project Report (DPR) & 2 nos. Pre-feasibility Report (PFR) in this year. Govt. has recently constituted a steering committee under the Chairmanship of Chief Secretary to steer and monitor the

progress of SHEPs for timely completion and to ensure formulation of a proper policy for SHEPs.

REVENUE COLLECTION, INSPECTION & LICENSING ACTIVITIES

Electricity Duty (ED) constitutes an important source of the Government Revenue. Collection of Revenue from various electricity consumers comes in the form of ED, inspection fees, fees for testing equipments and fees for issuing electrical permit and licenses to both Wireman, Lineman, supervisor and contractors. During the financial year 2010-11, this Department has achieved the revenue collection to the tune of Rs. 458.06 Crore against a target of Rs.600.00 Crore.

During the Financial Year 2011-12, an amount of Rs.435.17 crore has been collected by 31.01.2012 as against the target of Rs.550.00 Crore. Steps are being taken to achieve the target fixed for this year.

During this year Chief Engineer (T&D) has issued 416 licenses of different categories viz. HT- 45, MV-34, Temporary Project Licenses (EHT)- 67, Supervisor Competency certificates (EHT- 5, HT-28, MV-237).

During the year 2011-12, 10,108 Electrical installations have been inspected by the various Inspectors under Chief Electrical Inspector (T&D).

Likewise, under the generation wing, 512 generating units have been inspected during the year.

Electrical Licensing Board of Odisha (ELBO)

Electrical Licensing Board of Odisha have conducted the licensing examinations -4 times at 4 zones during the year 2011-12 for issuance of electrical licenses and permits.

RURAL ELECTRIFICATION SCHEMES

(a) Biju Gram Jyoti (BGJ):

In order to ensure "Electricity to all" the State Government has launched a flagship scheme called Biju Gram Jyoti in the mid of 2007-08 for electrification of habitations having less than 100 population and the BPL Household Electrification in those habitations which are not covered under RGGVY. There is a target to cover 10,000 habitations during the 11th Five Year Plan under the scheme against which 9732 nos. of habitations have been electrified so far and the works in 2692 habitations are in progress. The State Government has provided Rs. 445.00 crore under this schemes till the year 2011-12 to the districts for implementation of the Scheme against which expenditure of Rs. 235 crore has been made for the purpose as on 31.01.2012.

(b) Rajiv Gandhi Grameen Vidyutikaran Yojana (RGGVY):

This flagship programme of Govt. of India launched in April,2005 to provide access to electricity to villages having population of 100 or more envisages 90% capital subsidy and 10% as loan component for the State. The scheme is executed through CPSUs viz NTPC,NHPC & PGCIL. Financial assistance to the tune of Rs.3098.35 Crore has been released by Govt. of India as on 31.12.2011 through REC in favour of CPSUs. An amount of Rs.2549.49 Crore has been utilised for electrification works by the CPSUs.

There is a target to electrify 14697 un-electrified/ de-electrified villages, 29420 partially electrified villages and 3227152 BPL house holds in all 30 districts. Against this 34,008 nos of villages have been completed, 2597683 nos of BPL kits have been installed and 1065039

nos of BPL houses have been electrified. Budget provision of Rs.25.00 Cr. has been provided during 2011-12 for payment of loan component under the scheme, out of which Rs.18.62 crore is contra credited till 31.12.2011.

Development Programme for Electrical System Improvement (DESI)

Government have recently launched a new initiative known as **‘Development Programme for Electrical System Improvement’ (DESI)** as a crucial supplement of Rural electrification schemes like BGJ and RGGVY aiming at dovetailing funding support for replacement/additional transformer in place of burnt/overloaded transformers and associated conductors and other system improvements from various development schemes like Integrated Action Plan (IAP), Backward Region Grant Fund (BRGF), Gopabandhu Grameen Yojana (GGY), Biju KBK Plan, Biju Kandhamal “O” Gajapati Yojana, Western Odisha Development Council (WODC) fund etc. The requirements for system improvements are estimated by DISCOMs and placed before District Electrical Committee (DEC) for approval and before Collector for sanction of funds under various schemes. Through this initiative, funding support of Rs.200 cr. is likely to be mobilized every year for system improvement. This initiative is expected to provide much relief in addressing the gaps in the RE Schemes & in the distribution network.

BIJU SAHARANCHALA VIDYUTIKARAN YOJANA(BSVY)

For providing access to electricity to the people living in unelectrified areas of urban local bodies, the State Government has launched a flagship programme namely, Biju Saharanchala Vidutikarana Yojana (BSVY) during the year 2010-11. Under the scheme un-electrified habitations with minimum population of 100 along with BPL household electrification and system improvement will be taken up. Three (3) Municipal Corporations, 37 Municipalities and

63 NACs of the State have been covered under the Scheme. During the year 2010-11, Rs.40.40 crore & during 2011-12 Rs, 20.00 Crore were provided to the districts @ of Rs.1.00 crore per Municipal Corporation, Rs.50.00 lakh per Municipality and Rs.30.00 lakh per NAC. The maximum cost of electrification per habitations is Rs.3.50 lakh and Rs.2000/- for a BPL household connection. During Financial Year 2011-12.

So far the following progress has been made under the scheme

No of Habitations identified	-	2261
No of Habitations Tendered	-	1787
No of Habitations for which work orders issued	-	1073
No of Habitation completed	-	440
Works under progress	-	633

Self Help Group in Energy Franchise Arrangement (SEFA):-

Government has launched a new initiative known as SEFA to entrust the responsibility of energy revenue collection and facilitating theft control and grievance redressal to the women SHGs with a view to enhancing the overall improvement of the distribution sector and reduction of AT & C Loss. The scheme is devised with attractive performance linked incentive package for the SHGs. This is implemented in association with the district administration & mission shakti. One women SHG is selected to perform the tasks of meter reading, billing, Revenue collection, facilitating new connection, arrear collection etc in a Grampanchayat. So far, SHGs are selected & imparted training in all the 30 districts. Many groups have started functioning.

STANDARD TESTING LABORATORY

Standard Testing Laboratory functions as a third party Laboratory for testing and calibration of electrical equipments. All vital testing are being carried out in STL. For procurement of materials for this Laboratory, a budget provision of Rs.1.50 crore has been made for the year 2011-12 for procurement of different

equipments is under progress. A separate building is under construction for functioning of STL in Bhubaneswar with budgetary support of state Govt.

Equity Share Investment in OPTCL.

State Government has decided to infuse additional equity of Rs. 300 Crore in a period of 5 years to support OPTCL in taking up transmission Projects in the financially unviable areas such as KBK, Western Odisha. During the year 2011-12 fund of Rs. 43 Crore has been provided to OPTCL for this purpose.

CAPEX Programme for improvement of Distribution System

CAPEX programme with an investment of Rs. 2400 Crore over a period of 4 years with an objective to improve Distribution system, quality of power to the consumers & to reduce AT& C loss. State Govt. is to provide Rs.1200 Crore (including 13th Finance Commission Grant) to DISCOMs as loan through GRIDCO with counterpart funding of Rs. 1200 Crore from DISCOMs. During 2010-11, Rs.205 Crore have been released to GRIDCO and budget provision of Rs.295 Crore have been made during 2011-12 inclusive of 13th Finance Commission grant of Rs.125 crore for the project.

Achievement made so far are as follows:-

- (i) Monitoring Committee Meeting headed by the Commissioner-cum-Secretary, Energy was held eight times to review and guide the progress of the project during the year.
- (ii) Technical Committee headed by EIC, Electricity-cum-PCEI, Odisha constituted to finalise the technical specifications of the equipments to be procured by the DISCOMs and 13 meetings were held and finalized specification of 30 nos. of equipments to be procured under the programme.
- (iii) A Steering Committee has been constituted under the Chairmanship of Chief Secretary to steer the project and the committee reviewed the progress from time to time.

- (iv) Tenders floated by the DISCOMs for purchase of equipments and turn-key contract are under process of evaluation. Some of them have been finalized and order placed.
- (v) By end of February,2012 works orders worth Rs. 300 crore are expected to be issued for turn-key contracts and supplies under the programme.

Special programme for KBK districts

(A) Grid Up-gradation in Subarnapur district.

Biramaharajpur & Charvata areas in Subarnapur district are facing low voltage in power supply during the year especially during Summer. With a view to improve the power supply position in these areas, Government have provided Rs.650 Lakh during Annual Plan 2010-11 and 2011-12 under Special Programme for KBK District (RLTAAP Scheme) for Grid Upgradation of Sonepur Districts. Under the scheme, the following works in progress.

- (i) Construction of 33 KV Line over River Mahanadi from Sonepur Grid Substation to Biramaharajpur Primary substation.
- (ii) Construction of 33/11 KV Substation at Charvata under Sonepur Sub-division.

(B) Conversion of Conductors in Nuapada District

During 2011-12, Government have provided Rs 3 Crore to Nuapada district for conversion of 33 KV conductors with intermediate poles from Komna to Nuapada .The work of conversion of conductor from Komana to Nuapada and Nuapada to Khariar road has already been completed.

Shamuka Beach Project

In order to promote tourism in the State, the Government of Odisha have launched a mega project named Samuka Beach Project in Puri. Electrification component of the project has been entrusted to OPTCL and CESU. The tentative estimate of the electrification work is

at Rs.44.61 crore. State Government have made budgetary provision of Rs3.30 crore and Rs 5.00 crore during the financial year 2010-11 and 2011-12 respectively which has been provided to OPTCL and CESU for execution of the works

Underground cabling of Grand Road & temple area in Puri and improvement of power supply to Konark Area

During the year 2011-12, Govt. has decided for under ground cabling of Grand road and Temple Area, Puri to be implemented by CESU. Accordingly budget provision of Rs 9.00 Crore has been made during financial year 2011-12 out of which funds amounting to Rs. 8.17 Crore have been provided to CESU for this purpose. The work is in progress and scheduled to be completed by August 2013.

Similarly, for improvement of power supply system in Konark Area, budget provision of Rs.8.00 crore has been made during the financial year 2011-12 and the entire fund is released to the executing agency i.e. OPTCL for execution of the work. The work is in progress.

Electrification of IIT at Argul, Bhubaneswar

Department of Energy have been entrusted with the task of electrification by IIT, Argul, Bhubaneswar for which budget provisions of Rs.8 crore and Rs.8 crore have been provided during the financial years 2010-11 and 2011-12 and released in favour of OPTCL for execution of the work. Substantial progress has been made in the works and the work is expected to be completed during 2012-13.

ENERGY CONSERVATION

Energy conservation is Energy generation. To Co-ordinate, Regulate and enforce provisions of the Energy Conservation Act,2001 , EIC (Electricity) functions as State Designated Agency (SDA) for Odisha, and coordinates with Bureau of Energy Efficiency (BEE),

Government of India, Government of Odisha, Private Organisations and other Stake-holders. Odisha Energy Conservation Building Code (ECBC) has been notified for adoption in the State and Odisha has become the first state to frame such code in the country.

More than 9 MVA of Contract Demand/ Connected Load was audited and an annual Energy saving potential of more than 9 million units has been identified in the drinking water pumping systems. Energy Conservation Awareness Campaign has also been undertaken.

During 2011-12, budget provision of Rs 10.00 crore has been made to carry out the energy conservation activities and awareness campaign in the State.

ODISHA HYDRO POWER CORPORATION LTD. (OHPC)

Odisha Hydro Power Corporation (OHPC) Ltd. was set up on 21st April 1995 consequent to the reform and restructuring of Power Sector in Odisha. Thereafter, all the Hydro Units of erstwhile OSEB & Govt. of Odisha were transferred to OHPC on 01.04.1996. At present, OHPC has following six ongoing Hydro Electric Projects and one Joint Hydro Electric Project with a total installed capacity of 2062 MW which is a distinct improvement over its initial capacity of 1272 MW at the time of incorporation.

The capacity augmentation is due to –

- (1) Operation of Upper Indravati Hydro Electric Project (600 MW), at Mukhiguda in 2001.
- (2) Renovation, Modernisation & Up-rating of units – 1,2,3 & 4 of HHEP, Burla thereby raising installed capacity to 40 MW.
- (3) Installation of two units of BHEP, Balimela of 150 MW (2 x 75) in January' 2009.

OHPC provides the cheapest power and peaking requirement to the State Grid. The present power generation, Sale of Power, Design energy and design energy for sale are given below:

(i) Power Generation

Sl. No	Name of the H. E. Project	Installed Capacity	Design Energy	Design Energy for Sale	Generation for the FY 2011-12 (upto Nov.'2011)
		MW	MU	MU	MU
1	Burla	275.5	684	677	569.87
2	Chiplima	72	490	485	260.20
3	Balimela	510	1183	1171	928.28
4	Rengali	250	525	520	717.85
5	Upper Kolab	320	832	824	522.86
6	Upper Indravati	600	1962	1942	1300.22
Sub-Total		2027.50	5676	5619	4299.28
7	Machhkund Jt. Project (30% Odisha Share)	34.5	262.50	262.50	150.76
Grand Total		2062	5938.50	5881.50	4450.04

Project Development Activities:

Presently, Upgradation Renovation, Modernisation and Life extension of Unit-5&6 of Burla Power House, Unit-III of Chiplima Power House, Unit-I of Rengali (50 MW) & R&M of 6 nos. of Units of BHEP Balimela are being implemented by OHPC.

- Renovation, Modernization & Up-gradation of units of Rengali Hydro Electric Project (RHEP) is under progress which is to be completed by February,2012.
- The Project Approval Committee (PAC) has accorded approval for taking up the R & M works of Unit-5 & 6, Hirakud Hydro Electric Project (HHEP), Burla.

- The tendering process inviting offers for providing consultancy services for the R & M works of Balimela Hydro Electric Project (BHEP) has been initiated.
- Tendering for construction of corporate office building and residential quarters at Bhubaneswar is under process.

OHPC has been accorded gold category by the Odisha Government to enhance the Autonomy and Accountability of the State PSU. OHPC has signed an MoU with Energy Department governing the performance criteria as a part of Corporate Governance system and the performance of OHPC is periodically monitored by the Government. OHPC Board has declared a dividend of Rs.19 crore for the year 2009-10 and 2010-11 which will be paid to the State shortly.

ODISHA POWER GENERATION CORPORATION (OPGC)

OPGC was incorporated as a separate Company on 14th November, 1984. As a part of Reform in Energy Sector, 49% of the Equity Share was divested during the Year 1998-99 in favour of AES, Trans-power, U.S.A. OPGC have established an excellent track record in achieving respectable Plant Load factor (PLF). It is maximizing its generation year after year and providing power to the State Government at a cheaper rate. During the Year 2010-11, it has generated 3185 MU Power with PLF capacity of 86.56%. During 2011-12, it has generated 2268 MU (upto December, 2011) with PLF capacity of 81.83%. So far it has paid dividend amounting Rs.1205.00 Crore to the share holders out of which the State Govt. have received dividend amounting to Rs.648.00 Crore. It has received many awards and distinctions for plant performance, effective pollution control measures and better safety performance and for outstanding achievements in environment management. OPGC has emerged as a leader in the field of industrial safety and constant efforts are being made by OPGC to achieve improvement in safety measures by adopting different means.

OPGC have taken a decision for construction of 3rd & 4th Units with capacity 2X660 MW with super critical technology in Banaharpali. The estimated cost of the project is about Rs.10332.00 Crore including power plant, Railway line and coal mine development. The plant is proposed to be commissioned during 12th plan period. On commissioning the plant, the State Govt. will get 50% power i.e 660 MW from the above two units.

ODISHA POWER TRANSMISSION CORPORATION LTD.(OPTCL)

Odisha Power Transmission Corporation Limited (OPTCL) ensures development of an effective and economical system of Intra-state and Inter-state transmission lines for smooth flow of electricity from generating station to load center.

The infrastructure of OPTCL network is as follows.

- 100 nos. of Grid Sub-Stations including Switching Station with transformation capacity of 10,000 MVA.
- 11,293.563 ckt. Kms. Of Transmission lines of 400KV, 220KV and 132KV rating

The present peak demand of the state is about 3300MW, which is covered by the existing network system. To improve the low voltage problem in 20 Grid Sub-Stations, action has already been taken to install 275MVAR shunt capacitor with an estimated cost of Rs.12.71 Crores.

Capacity augmentation of 16 grid substations at Sonapur, Digapahandi, Chandaka, Puri, Paradeep, Bargarh, Choudwar, Jajpur Town, Ranasingpur, Berhampur, patanagarh, Kendrapara, Phulbani, Junagarh, Nayagarh and 220 KV DC line Circuit.-II from Burla to Bolangir (117.847 Kms) have been executed during the year 2011-12.

Capacity augmentation of 10 grid substations at Boinda, Chandaka, Balasore, Jainagar, Chatrapur, Katapali(220/132 Auto Transformer and 132/33 Power Transformer) Barkote, Rajgangpur and Sambalpur are to be executed during the year 2011-12.

OPTCL has also taken up the construction work of the Grid Sub-Stations at Barbil, Bonai, Kalunga, Gopinathpur, Kuanrunda, Lapanga, Purushottampur, Chandapur, Banki including transmission lines of Bidanasi- Cuttack, Paradeep-Jagatsingpur, Chandaka, Nimapara with its own funding.

OPTCL has engaged PGCIL for construction of Grid Sub-Stations at Dabugaon, Bhawanipatna, Nuapada, Padmapur, Kuchinda & Boudh and 400 KV transmission line from Meramundali to Duburi.

OPTCL has taken up the construction work of different Grid Sub-Stations at Kardagadia, Dhamara, Marshaghai(Luna), Olaver along with associated line for which tendering work have been entrusted to NTPC-ESCL.

OPTCL has commenced tendering process for the construction of Grid SUB-STATION at Khajuriakata, Konark alongwith the 132 KV DC line from Salipur-Kendrapara, 132 KV SC line from Meramundali to Arati Steel, construction of 2 nos of 220 KV feeders from 220/132/33 KV Grid SUB-STATION of OPTCL at Jaynagar to 400/220 KV Grid SUB-STATION of PGCIL at Jaynagar, conversion of 132 KV switching station at Somanathpur(Balasore) to 2X20 MVA, 132/33 KV Grid SUB-STATION and also for the provision of 132 KV system at 400/200 KV Grid SUB-STATION at Mendhasal.

Tendering activity is in progress for construction of 220 KV Grid SUB-STATION at Puri, Pratapsasan along with 132 KV DC line from

Baripada PGCIL(Kuchei) Grid SUB-STATION to Jaleswar Grid SUB-STATION with 2 nos. of 132 KV Bay extension.

Besides that OPTCL has taken up the steps for upgradation of Sub-station capacities at Cuttack, Angul, Boinda, Chandikhol, Bhanjanagar, Parakhemundi, Rayagada, Therubali, Narendrapur, Katapali, Sundergarh, Mendhasala(new-20 MVA) and also planned for the upgradation of the Sub-Stations like Kalarangi, Kamakshyanagar, Duburi(old), Karanjia, Bhadrak, Rairangpur,Rajgangpur, Junagarh and Budhipadar by 2012-13.

Public Private Partnership Projects:-

For evacuation of state share of power from the up coming IPPs, Six numbers of 400 KV Substation at Kuanrmunda, Joda, Dhamra, Paradeep, Khuntani and Nisha with interlinked lines at an estimated cost of Rs.1,297/- crores are planned to be taken up under PPP mode on Design- Build-Finance-Operate-Transfer (DBFOT) basis.

Different activities of Telecom wing of OPTCL for the year 2011-12 are as follows:-

As per the amendment of OGC Regulations, 2006 dated 29.08.08, it has become mandatory to provide SCADA interface point at all 220 KV Grid SUB-STATION of OPTCL. The investment proposal has been approved by OERC. Accordingly, the BOD of OPTCL has approved the scheme and work is presently under progress through PGCIL and scheduled to be completed by the end of 2012.

The extension of ULDC SCADA system to all Grid Sub-Stations of OPTCL:-

As per the amendment of OGC Regulations, 2006 all Grid SUB-STATION of OPTCL are required to be integrated under ULDC expansion scheme with SCADA connectivity to SLDC. Accordingly, 30

Grid SUB-STATION have been identified for integration with OPTCL network. The scheme has been approved by Board of Directors (BOD) of OPTCL. The investment proposal has been approved by OERC. The work is presently under progress through M/s PGCIL and scheduled to be completed by 2012.

GRIDCO

GRIDCO Limited (formerly Grid Corporation of Odisha Limited) is primarily engaged in the business of bulk purchase of electricity from the generator through long term Power Purchase Agreements (PPA) and it sells power in bulk to the four DISCOMs in the State. GRIDCO plays a major role in planning the power requirement of the State and also facilitating the setting up of generating stations for all form of power in the State.

Being the designated State Govt. agency to procure power on behalf of State Govt., GRIDCO has already executed PPAs with 29 nos of private power generators for procuring 6538 MW Power. Besides GRIDCO has already signed 9 nos of PPA with NTPC for its various up coming Super Thermal Power Project with a total requisition of 4750 MW. GRIDCO will also avail 50% of power from units 3 & 4 of OPGC having installed capacity of 660 MW each.

In the process of harnessing clean energy by encouraging Solar, Biomass & Mini Hydro Power Developer, Gridco have already signed 24 nos of Power Project Agreements (PPA) with the developers for generation of 262 MW power. During insufficient availability of power from all sources in past three years and current Financial Year, GRIDCO has been managing the same by exploring all available sources as well as procuring power to ensure uninterrupted power supply to the consumers of the State.

Considering the increasing trend in power requirement of the State, Gridco expects the demand for the financial year, 2012-13 will be around 24,888 MU and the expenditure on this account will be approximately Rs.6,741 crore. Gridco proposes to source the power from the following generators as under:

State Hydro	:	5,874.05 MU
State thermal, CGPs/IPPs	:	11,590.03 MU
Central generating stations	:	6,948.61 MU
Other sources including UI	:	474.62 MU

In order to soften tariff on the ultimate consumers of the state, OERC while approving tariff left revenue gaps, likely to be bridged from trading/UI of power, recovery of arrears from DISCOMs and subvention from Government. Increase in State demand coupled with failure in generation of power from State hydro power stations, Gridco is landed with cash deficit. Gridco has met the cash deficit availing term loan of Rs.300 crore, Rs.1,213 crore and Rs.1,640 crore from banks during financial year 2008-09, 2009-10 and 2010-11 respectively. Though during the current fiscal the same deficit continues, Gridco has taken all out measures to meet the cash deficit for providing un-interrupted power to the State.

It is expected that after generation of power from up-coming IPPs, Odisha will be a surplus State and Gridco will be able to generate substantial revenue from trading and UI activity like earlier years after meeting the State demand for power. The surplus revenue generated will be utilized for repayment of loans availed by Gridco to meet the cash deficits of earlier years.

Capacity addition through 29 IPPs, UMPPs & NTPC

State Government has signed MoUs with 29 private IPPs for generation of power. 38,000 MW of power is expected to be generated through these IPPs out of which 6774 MW may be available to the State as State share. Besides, 12000 MW power is expected to be generated by three Ultra Mega Power Projects (UMPPs) and 7720 MW power from three projects of NTPC. The State will get 7900 MW power from these UMPPs and NTPC projects towards its share during the 12th plan period.
