

ANNUAL REPORT 2016-17



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ODISHA ELECTRICITY REGULATORY COMMISSION

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ODISHA ELECTRICITY REGULATORY COMMISSION

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MISSION STATEMENT

The Odisha Electricity Regulatory Commission (OERC) is committed to fulfill its mandate for creating an efficient and economically viable electricity industry in the State. It balances the interests of all stakeholders while fulfilling its primary responsibility to ensure safe and reliable supply of power at reasonable rates. It is guided by the principles of good governance such as transparency, accountability, predictability, equitability and participation in discharge of its functions. It safeguards the interests of the State while giving a fair deal to the consumers.

2. PROFILES OF CHAIRPERSON & MEMBERS

Sri Upendra Nath Behera, Chairperson, OERC



Sri Upendra Nath Behera is an officer of the Indian Administrative Service of 1983 batch of Odisha cadre. An Engineering Graduate from IIT, Kharagpur, he has 34 years of valuable experience in the IAS. He had spent initial seven years in the District Administration supervising various development programmes. Subsequently, as Managing Directors of Odisha State Co-operative Milk Producers' Federation (OMFED) and Odisha State Co-operative Oilseed Growers' Federation (Oil Odisha) he had been actively involved in organising farmer co-operatives and promotion of production, processing and marketing of milk, milk products and edible oil. Under his stewardship Odisha State Oilseed Growers' Federation won the best productivity award from the National Productivity Council consecutively for two years i.e. 1991-92 and 1992-93.

He had worked in the industries sector as Managing Directors of IDCO and IPICOL primarily for promotion of industries, financing of small and medium industries and creation of industrial infrastructure for the State of Odisha. During his tenure as Managing Director the Odisha Industrial Infrastructure Development Corporation (IDCO) obtained ISO-9001 certification (1996) for quality standards and ISO-

14001 certification (1998) for environmental standards. He also worked as Chief Executives of Odisha Renewable Energy Development Agency (OREDA) and Odisha Computer Application Centre (OCAC). Sri Behera played a key role in formation of Odisha State Disaster Management Authority (OSDMA), the first of its kind in the country immediately after the Odisha super cyclone of 1999 and was its first Managing Director.

He worked in Government of India for seven years between 2002 and 2009 in the Ministries of Steel, Science & Technology (Biotechnology) and Urban Development (DDA). During his tenure as Joint Secretary in the Department of Biotechnology, he also held the charge of Managing Director of Bharat Immunologicals & Biologicals Corporation (BIBCOL), a Central PSU. In the State Government, he had

worked as Secretary in the premier Departments like Home, Finance, Planning & Co-ordination, General Administration, Forest & Environment, Steel & Mines, Excise and Parliamentary Affairs. He was the State Development Commissioner-cum-Additional Chief Secretary for a year. He spent a year as Additional Chief Secretary to Chief Minister, Odisha before joining the Odisha Electricity Regulatory Commission as its Chairperson on the 16th of January, 2017.

He has travelled widely covering almost all the Indian states and about thirty foreign countries.

Sri Aswini Kumar Das, Member

Sri A. K. Das, born on 21st March, 1956 in Kalyanpur village of Jajpur District, Odisha graduated in Electrical Engineering from University College of Engineering, Burla (now VSSUT, Burla) in 1978, completed Masters Degree from University of Roorkee (now IIT Roorkee) in 1988 and Masters Degree in Business Administration from Utkal University. He joined Odisha Service of Electrical Engineers in 1978. After serving for 35 years under Gov of Odisha, he retired as Engineer-in-Chief (Elect.)-cum-Principal Chief Electrical Inspector in March, 2014 and joined as Member, OERC, Odisha.



During his tenure under Govt., he contributed to the development of Power Projects of the State like Upper Kolab, Upper Indravati & Rengali Hydro Projects. He had tenure in Industry Deptt., Govt. of Odisha before moving to the Electrical Inspectorate & Works Deptt. and finally retired as EIC (Elect.)-cum-Principal Chief Electrical Inspector (PCEI).

He visited Japan on Energy Efficiency Activities and has contributed to technical sections in many conferences & seminars and is an active member of the World Energy Council – Indian Member Committee.

Sri Sauri Kant Parhi, Member



Sri Sauri Kant Parhi retired as Air Vice Marshal from Indian Air Force (IAF) on 30 September, 2016 after distinguished service of above 37 years (including period of training). He joined OERC as Member on 4th November, 2016. He belongs to Brahmapur, Odisha. During his illustrious career in IAF, he served in various capacities in the Air Defence and Administrative branches. He was awarded commendation by the Chief of IAF and conferred with Visisth Seva Medal.

He has done MA (English), M.Sc. in Defence and Strategic Studies and PG Diploma in Business & Marketing Management. He has undergone numerous prestigious inter-services and IAF specific courses & training i.e. Defensive Service Staff College (Wellington, TN), National Defence College (New Delhi), etc.

He was a category 'A' Master Fighter Controller who commanded two frontline Air Defence Radar Units, Joint Control and Analysis Centre, Delhi. He was the COO of a frontline Air Defence Direction Centre, a Command Examiner & had been involved in evaluation of Air Defence systems in India & abroad. In the field of Administration he worked as the Chief Administrative Officer of front line fighter base, commanded the Garud Commando Training Centre of IAF. As an Air Commando and Air Vice Marshal he had been the Provost Marshal (Air), Assistant Chief of Air Staff (Security, Vigilances & Discipline) at Air HQ and the Senior Officer Administration at HQ Training Command. The span of his administrative activities included infrastructure development, finance, security, vigilance, HR, medical, legal, welfare, organisation etc.

3. OVERVIEW OF THE COMMISSION

- (1) The Odisha Electricity Reform Act, 1995 (Odisha Act 2 of 1996), in short OER Act, 1995 was enacted for the purpose of restructuring the electricity industry, for rationalization of Generation, Transmission, Distribution and Supply of Electricity, for opening avenues for participation of private sector entrepreneurs and for establishment of a Regulatory Commission for the State, independent of the state government. OER Act, 1995 is the first of its kind in the country. The Electricity Act, 2003 has been modelled mostly on the provisions of the OER Act, 1995.
- (2) An important component of power sector reform is establishment of an independent autonomous Regulator, the Odisha Electricity Regulatory Commission for achievement of objectives enshrined in the OER Act, 1995. It became functional on 01.8.1996 with the joining of its three members, as the pioneer electricity regulators of the country.

- (3) The property, interest in property, rights and liabilities belonging to the erstwhile Odisha State Electricity Board (OSEB) were vested in the State Government as on 1.4.1996. All loans, subventions and obligations of the Board towards the State stood extinguished. The State Government classified the assets, liabilities and proceedings acquired by the State as well as the assets, liabilities and proceedings relating to the undertakings owned by the State Government to (a) Generation Undertaking (b) Transmission Undertaking and those not classified within (a) & (b) to residual assets. The State Government was empowered to vest the Undertakings in GRIDCO & OHPC which the State executed only after upvaluation of assets on the same day and restructured the Balance Sheet of GRIDCO and OHPC.
- (4) The Grid Corporation of Odisha Limited (GRIDCO) was incorporated under Companies Act, 1956 on 20.4.1995. All Transmission and Distribution Undertakings were transferred to GRIDCO on 01.4.1996 with upvalued cost with a restructured Balance Sheet. It was to engage in the business of procurement, transmission & bulk supply of electric energy apart from planning, co-ordination & load forecast.
- (5) The Odisha Hydro Power Corporation Limited (OHPC) was incorporated under the Companies Act, 1956 on 21.4.1995. All the generating assets of Government as well as OSEB was transferred to OHPC on 01.4.1996. This Corporation takes care of all the operating and ongoing Hydro Power Stations. 49% of the share of the Odisha Power Generation Corporation (OPGC) were disinvested to the US based AES company in January, 1999.
- (6) As a sequel to the passing of the Act, the distribution of power was privatized in Odisha and the management of the four subsidiary companies in charge of distribution in the Central Northern, Southern and Western zones of Odisha, namely CESCO, NESCO, SOUTHCO and WESCO were entrusted to private companies which took over 51% of the shares. GRIDCO became a deemed trading licensee from 10.6.2005. The Odisha Power Transmission Corporation Ltd. (OPTCL) took over intra-state transmission & functions of the State Load Despatch Centre (SLDC) on the same date.
- (7) The Electricity Act, 2003 was enacted by Govt. of India and came into force w.e.f. 10.06.2003. The Electricity Act, 2003 aims to promote competition, protect interest of consumers while supplying electricity to all areas, rationalize electricity tariff, ensure transparent policies regarding subsidies and provide an enabling regulatory environment. Besides allowing private investments in all the segments of the electricity supply chain, the Act provides various measures to introduce competition in the electricity industry. Now, the Chairperson and Members of OERC are appointed under section 82(5) of the Electricity Act, 2003 (No. 36 of 2003) which is a Central Act.
- (8) The OERC completed 21st year of its operation on 01.08.2017. Since 09.05.2016 the Commission is operating at its New Building at Plot No.4, Chunokoli, Sailashree Vihar, Bhubaneswar – 751 021.

4. FUNCTIONS OF THE STATE COMMISSION

- (1) Section 86 of the Electricity Act, 2003 deals with the functions of the State Commission. As per Section 86(1) the State Commission shall discharge the following functions, namely:-
- (a) Determine the tariff for generation, supply, transmission and wheeling of electricity, wholesale, bulk or retail, as the case may be, within the state.
 - (b) Regulate electricity purchase and procurement process of distribution licensees including the price at which electricity shall be procured from the generating companies or licensees or from other sources through agreements for purchase of power for distribution and supply within the State;
 - (c) Facilitate intra-State transmission and wheeling of electricity;
 - (d) Issue licenses to persons seeking to act as transmission licensees, distribution licensees and electricity traders with respect to their operations within the State;
 - (e) Promote co-generation and generation of electricity from renewable sources of energy by providing suitable measures for connectivity with the grid and sale of electricity to any person, and also specify, for purchase of electricity from such sources, a percentage of the total consumption of electricity in the area of a distribution licensee;
 - (f) Adjudicate upon the disputes between the licensees and generating companies and to refer any dispute for arbitration;
 - (g) Levy fee for the purpose of this Act;
 - (h) Specify State Grid Code consistent with the Grid Code specified under clause (h) of subsection (1) of Section 79 of the Electricity Act, 2003.
 - (i) Specify or enforce standards with respect to quality, continuity and reliability of service by licensees;
 - (j) Fix the trading margin in the intra-state trading of electricity; if considered, necessary; and
 - (k) Discharge such other functions as may be assigned to it under the Electricity Act, 2003.
- (2) As per Section 86(2) of the Electricity Act, 2003, the State Commission shall advise the State Government on all or any of the following matters, namely:-
- (i) Promotion of competition, efficiency and economy in activities of the electricity industry;
 - (ii) Promotion of investment in electricity industry;
 - (iii) Reorganization and restructuring of electricity industry in the State;
 - (iv) Matters concerning generation, transmission, distribution and trading of electricity or any other matter referred to the State Commission by that Government.
- (3) As per Section 86(3) the State Commission shall ensure transparency while exercising its powers and discharging its functions. Section 86(4) envisages that in discharge of its functions, the State

Commission shall be guided by the National Electricity Policy, 2005, National Electricity Plan and Tariff Policy, 2016 published under Subsection(2) of Section 3 of the Electricity Act, 2003.

(4) Besides, the other provisions of the Electricity Act, 2003 which have a direct bearing on the functioning of the Commission are extracted below for reference.

(a) Section 11 – Directions to generating companies

(1) The Appropriate Government may specify that a generating company shall, in extraordinary circumstances operate and maintain any generating station in accordance with the directions of that Government. Explanation - For the purposes of this section, the expression “extraordinary circumstances” means circumstances arising out of threat to security of the State, public order or a natural calamity or such other circumstances arising in the public interest.

(2) The Appropriate Commission may offset the adverse financial impact of the directions referred to in sub-section (1) on any generating company in such manner as it considers appropriate.

(b) Section 23 - Directions to Licensees

If the Appropriate Commission is of the opinion that it is necessary or expedient so to do for maintaining the efficient supply, securing the equitable distribution of electricity and promoting competition, it may, by order, provide for regulating supply, distribution, consumption or use thereof.

(c) Section 37 – Directions by Appropriate Government

The Appropriate Government may issue directions to the Regional Load Despatch Centres or State Load Despatch Centres, as the case may be to take such measures as may be necessary for maintaining smooth and stable transmission and supply of electricity to any region or State.

(d) Section 108 – Directions by State Government

In the discharge of its functions, the State Commission shall be guided by such directions in matters of policy involving public interest as the State Government may give to it in writing. If any question arises as to whether any such direction relates to a matter of policy involving public interest, the decision of the State Government thereon shall be final.

5. ORGANISATIONAL STRUCTURE OF THE COMMISSION

The OERC is a three-member Commission headed by the Chairperson. The Commission has four Divisions namely, Tariff, Engineering, Regulatory Affairs and Secretariat Division. Tariff Division is entrusted upon the responsibilities of assisting the Commission in preparing various Tariffs and/or Commercial Orders based on applications of licensees, generators, consumers, government and other stakeholders. Engineering Division assists the Commission in monitoring technical performance of the Utilities under various technical parameters, including License Conditions and Performance Standards. The Commission is assisted by Regulatory Affairs Division on all legal matters. This Division renders

necessary legal advice to the Commission and with help of advocates represents the Commission in various Courts, Fora and Tribunals. The Secretariat Division assists the Commission in day-to-day administrative functioning. It is the repository of the Commission's order and records and carries out all correspondences on behalf of the Commission. This Division authenticates all the orders passed by the Commission. A State Advisory Committee (SAC) is functional and its meetings are held in OERC once in a quarter to discuss various practical issues facing the licensees/consumers/other stakeholders. The Commission benefits by interacting with the Members of the SAC, who represent every corner of the State.

6. ACTIVITIES OF THE COMMISSION

6.1 TARIFF DIVISION

The functions of the State Commission have been specified under Section 86 of Electricity Act, 2003. According to Section 86(1)(a) the Commission determines the Tariff for Generation, Supply, Transmission and wheeling of electricity, wholesale, Bulk or Retail, as the case may be within the State of Odisha. Keeping this in view the Commission obtains and analyses the Annual Revenue Requirements of the licensees and determines charges to be levied on various categories of consumers including those seeking Open Access to the intra-state transmission and distribution systems. It also undertakes scrutiny of Power Purchase Agreements, approval of MYT, Cost data and Business Plans etc.

While fixing retail tariff for different types of consumers, the Commission is mandated to follow the provisions of the Electricity Act, 2003, Tariff Policy notified on 28.01.2016 and National Electricity Policy notified on 12.02.2005. Sections 61, 62, 65 and 86 of the Electricity Act, 2003 deal with principles and guidelines of tariff fixation. The important parameters for tariff fixation are as follows:-

- (i) The generation, transmission, distribution and supply of electricity should be conducted on commercial principles: Section 61(b) of Electricity Act, 2003.
- (ii) The factors which would encourage competition, efficiency, economical use of the resources, good performance and optimum investments: Section 61(c).
- (iii) Safeguarding the consumers' interests and at the same time recovering the cost of supply of electricity in a reasonable manner: Section 61(d).
- (iv) The principles regarding efficiency in performance: Section 61(e).
- (v) The tariff progressively reflects the cost of supply of electricity and also reduces cross subsidies in the manner specified by the appropriate Commission: Section 61(g).
- (vi) The National Electricity Policy envisages existence of some amount of cross-subsidy. As per para 1.1 of National Electricity Policy, the supply of electricity at reasonable rate to rural India is

essential for its overall development. Equally important is availability of reliable and quality power at competitive rates to Indian Industry to make it globally competitive and to enable it to exploit the tremendous potential of employment generation.

Similarly, as per Para 5.5.2 of the National Electricity Policy, a minimum level of support may be required to make the electricity affordable for consumers of very poor category. Consumers below poverty line who consume below a specified level, say 30 units per month, may receive special support in terms of Tariff which are cross-subsidized. Tariff for such designated group of consumers will be at least 50% of the “average (overall) cost of supply”.

- (vii) Promotion of Co-generation and generation of electricity from renewable sources of energy: Section 61(h).
- (viii) Section 86(1) (e) casts responsibilities on the State Commission to promote co-generation and generation of electricity from renewable sources of energy by providing suitable measures for connectivity with the grid and sale of electricity to any person, and also specify, for purchase of electricity from such sources, a percentage of the total consumption of electricity in the area of a distribution licensee.

1. Consumers’ Status:

The DISCOM-wise status of consumers in terms of Rural-Urban classification and category-wise consumption at the end of March, 2017 is as shown in the table below:

STATUS OF CONSUMERS IN ODISHA (as on 01.04.2017)										
	CESU		NESCO		WESCO		SOUTHCO		ODISHA	
CATEGORY OF CONSUMERS	No	Percentage to Total	No	Percentage to Total	No	Percentage to Total	No	Percentage to Total	No	Percentage to Total
Urban	589232	27.16%	281206	19.32%	283972	21.31%	267643	17.04%	1422053	21.78%
Rural	1580512	72.84%	1174642	80.68%	1048399	78.69%	1302835	82.96%	5106388	78.22%
Total	2169744	100.00%	1455848	100.00%	1332371	100.00%	1570478	100.00%	6528441	100.00%
CATEGORY CONSUMPTION IN MU										
Kutir Jyoti	33.53	0.61%	52.01	1.28%	66.87	1.44%	208.96	9.76%	361.37	2.21%
Agricultural	58.27	1.06%	69.38	1.70%	156.70	3.38%	15.13	0.71%	299.48	1.83%
Domestic	2413.89	43.98%	1192.40	29.25%	1431.42	30.87%	1029.69	48.09%	6067.39	37.12%
Commercial	1012.8	18.45%	343.73	8.43%	401.72	8.66%	233.08	10.89%	1991.32	12.18%
Industrial	1316.81	23.99%	1945.98	47.73%	2443.72	52.71%	358.94	16.76%	6065.45	37.11%
Others	653.27	11.90%	473.72	11.62%	135.86	2.93%	295.36	13.79%	1558.21	9.53%
Total	5488.57	100.00%	4077.21	100.00%	4636.30	100.00%	2141.15	100.00%	16343.23	100.00%
VOLTAGE WISE CONSUMPTION										
EHT	975.27	17.77%	1975.78	48.46%	1071.71	23.12%	335.84	15.69%	4359	26.67%
HT	1105.26	20.14%	410.40	10.07%	1443.51	31.13%	174.70	8.16%	3134	19.18%
LT	3408.06	62.09%	1691.03	41.48%	2121.08	45.75%	1630.60	76.16%	8851	54.16%
TOTAL	5488.59	100.00%	4077.21	100.00%	4636.30	100.00%	2141.15	100.00%	16343.24	100.00%

- 2. The important orders passed by the Commission during 2016-17 relating to Tariff are as follows:

- (i) Approval of Annual Revenue Requirement & Generation Tariff of OHPC for FY 2017-18 (Case No. 61 of 2016);
- (ii) Approval of Annual Revenue Requirement & Generation Tariff of OPGC for FY 2017-18 (Case No. 62 of 2016);
- (iii) Approval of Annual Revenue Requirement & Bulk Supply Price of GRIDCO for FY 2017-18 (Case No. 63 of 2016);
- (iv) Approval of Annual Revenue Requirement & Transmission Tariff of OPTCL for FY 2017-18 (Case No. 64 of 2016);
- (v) Approval of ARR and Fees and charges of State Load Dispatch Centre for FY 2017-18 (Case No. 65 of 2016);
- (vi) Approval of Annual Revenue Requirement & Retail Supply Tariff of four DISCOM Utilities for FY 2017-18 (Case Nos. 66, 67, 68 & 69 of 2016);

3. **Salient features of Retail Supply Tariff for FY 2017-18**

As per Section 61, 62, 65, 86 of Electricity Act, 2003, National Electricity Policy, 2005, Tariff Policy, 2016 (notified on 28.01.2016) and OERC Terms and Conditions for Determination of Wheeling Tariff and Retail Supply Tariff Regulations, 2014, the Annual Electricity Tariff is determined by Odisha Electricity Regulatory Commission (OERC) in respect of generation, transmission and retail supply to the consumers of the state taking into account the operational efficiency and commercial viability of the generators and licensees. The OERC balances the interest of all stake holders while determining such tariff. The Commission after taking into account the proposal filed by the Utilities, advice of the State Advisory Committee, opinion of the State Govt. and conducting a Public Hearing, has passed the Aggregate Revenue Requirement (ARR) and Tariff Orders for the FY 2017-18 on 23.03.2017 which will be effective from 1st April, 2017. The Retail Supply Tariff effective from 1st April, 2017 is presented in **Annexure-1**.

4. **Highlights of Tariff:-**

- The hike in Retail Supply Tariff for FY 2017-18 is 1.44% only.
- There is a marginal rise of 10 paise per unit applicable to most of the retail consumers except Domestic Consumer having consumption upto 50 Unit and agriculture consumers.
- The average cost of supply of DISCOMs has been increased from 480.40 paise/unit in 2016-17 to 488.26 paise/unit in FY 2017-18.
- There is no change in tariff for BPL consumers who consume 30 units per month and they will continue to pay at a flat rate of Rs.80 per month. However, any BPL consumer who consumes more than 30 units per month, he/she will pay at the rate applicable to the LT Domestic consumers for the year 2017-18.

- No change in Transmission charges during FY 2017-18 and the same remains at 25 paise/unit as in 2016-17.
- There is no change in meter rent.
- Cross subsidy has remained within $\pm 20\%$ for all categories (LT/HT/EHT).
- The average power purchase cost of GRIDCO has increased from 229.44 paise/unit in 2016-17 to 246.42 paise/unit in 2017-18.
- Average BSP of GRIDCO has increased from 273.14 paise/unit in 2016-17 to 277.21 paise/unit in 2017-18.
- Out of average Bulk Supply Price (BSP) of 277.21 paise /unit of GRIDCO, CESU is required to pay 274.00 paise/unit, NESCO 301.00 paise/unit, WESCO 301.00 paise/unit and SOUTHCO 199.00 paise/unit.
- The Commission has introduced special rebate for the following categories of consumers:
 - The rural LT domestic consumers shall get 5 paise per unit rebate in addition to existing prompt payment rebate who draw their power through correct meter and pay the bill in time.
 - 1% rebate over and above normal rebate shall be allowed on the bill to the LT category of consumers over and above all the rebates who pay through digital means (cash less).
 - The Educational Institution (Specified Public Purpose) having attached hostel and / or residential colony who draw power through a single meter in HT shall be eligible to be billed 15% of their energy drawal in HT bulk supply domestic category.
- The other features of the RST order for FY 2017-18 are highlighted in **Annexure-1**.

5. Important initiatives by the Commission

The Commission had allowed different schemes like Own Your Transformer Scheme, Provision for Part Payment of Electricity Bill, Tatkal Scheme for New Connection etc., which were introduced in earlier RST orders and are now continuing in 2017-18. The details are available in the Commission's RST Order for the FY 2017-18.

6. Distribution Capex and other Programmes

In order to provide quality power at a stable voltage, strengthening the fragile distribution network, reducing high AT&C loss etc., the State Govt. had formulated a large Capex Programme. Commission has allowed Rs.17.85 cr., Rs.112.43 cr., Rs.18.63 cr. and Rs.4.32 cr. to WESCO, NESCO, SOUTHCO and CESU respectively as asset addition under the said Scheme in 2016-17. The Commission had also allowed asset addition under other schemes like R-APDRP, System Improvement, Biju Grama Jyoti, Biju Saharanchal, DESI (GoO), Elephant Corridor, School Anganabadi, etc., as reflected in the table below:

Approved addition of Fixed Assets for FY 2016-17 (Rs. in Cr.)

Assets/ Schemes	WESCO	NESCO	SOUTHCO	CESU
Land Building Furniture and Fixtures	0.15		0.76	
RAPDRP (A)				8.19
RAPDRP (B)				16.68
System Improvement	0.73			
Deposit work	3.14	82.87	1.61	
Biju Gram Jyoti		4.29	1.28	
Biju Saharanchal		3.69	2.09	
DESI (GoO)	1.77	23.14	0.20	0.79
Capex Plan (GoO)	17.85	112.43	18.63	4.32
Elephant Corridor			0.31	1.31
School Anganwadi				0.10
National Highway			0.35	
RLTP			1.37	
ODSSP	157.62			
Other works (including PMGY)	0.42			
Total	181.68	226.42	26.60	31.39

7. Implementation of Government Programmes

The Government of Odisha has embarked upon a massive investment programme both in distribution and transmission segments. These programmes will not only improve the quality of power supply but also reduce distribution loss significantly thereby making distribution utilities financially viable.

A. Distribution Sector Schemes:

Sl No	Name of Scheme	Scope	Project Cost (Rs. Cr.)	Funding	Project Period	Progress
1	Deen Dayal Upadhyaya Gram Jyoti Yojana (DDUGJY)	Construction of New 33/11 kV Substations, 33 kV bay extension, construction of 33 kV, 11 kV & LT lines, Installation of distribution transformer and providing service connection to BPL consumer spread all over the State	1648.26	Gol: GoO-60:40	216-17 to 2017-18	Financial-Rs.177 Cr. Physical : UE village : 41 villages completed & 81 in progress SAGY village: 3 completed, 7 in progress PE village :48 in progress

Sl No	Name of Scheme	Scope	Project Cost (Rs. Cr.)	Funding	Project Period	Progress
						Feeder separation: 21 in progress
2	Integrated Power Development Scheme (IPDS)	Formulated for urban areas (Statutory Towns) only and will cover works relating to strengthening of sub-transmission including provisioning of solar panels on Govt. building, Net-metering, metering of feeders /distribution transformers/consumers and IT enablement extended to the statutory towns.	1079	Gol: GoO – 60:40	2016-17 to 2017-18	Financial-Rs.43 Cr. Physical : Work in 59 town in progress New 33/11 Kv s/s 10 nos. in progress
3	Odisha Distribution System Strengthening Project (ODSSP)	Construction of 473 nos. 33/11 KV Substations across the State to improve the quality of supply of power.	3,843	GoO : 100%	2014-19	Financial-Rs.2309 Cr. Physical: 148 nos. of Sub-stations have been charged Balance S/s-Work in progress
4	Dedicated Fishery Feeder	Dedicated 19 nos. of Fishery feeders	151	GoO: 100%	FY 2016-17	Financial-Rs.60 Cr. Physical: Work for entire 19 no 11 Kv dedicated feeder are in progress.
5	Rajiv Gandhi GrameenVidyutikaranYojana (RGGVY- II)	Electrification of un-electrified villages/partially electrified villages and BPL households	3550.45	Gol-90% GoO-10%	FY 2014-17	Financial-Rs.67.30 Cr. Physical:PE village electrified-5669 nos. UE village electrified-1072 nos.

Note- UE-Unelectrified, PE-Partly Electrified, SAGY-Sanshad Adarsha Gram Yojana

The above table is self explanatory. **Transmission Sector Schemes:**

Sl. No.	Name of Scheme	Scope	Project Cost	Project Period	Progress
1	State Capital Region Improvement of Power System (SCRIPS)	To meet the energy needs of the state capital region ensuring 24x7 uninterrupted stable power supplies to all classes of consumers. This scheme envisages setting up of GIS grid stations & GIS 33/11 KV S/s, underground cabling for 132 kV and below voltage level. Automation and use of Smart Grid Technology	Rs.1492 Cr. GoO: 100%	FY 2015-16 to FY 2019-20	Financial- Rs.385.77 Cr Physical:work in progress
2	Radial to Ring Conversion Projects (RRCP)	To strengthen the electrical infrastructure by providing alternate source for smooth and reliable quality power supply and to improve the system availability by reducing the outage of Distribution System	Rs.249.94 Cr. GoO: 100%	FY 2015-16 to FY 2017-18	Financial-Rs.65.42 Cr Physical : work in progress

Note- OPGW-Optical Ground Wire

The above table is self explanatory.

Many of the above projects are in different stages of progress. The distribution assets created above are passed on to the distribution utilities for their use. Though ownership of these assets remains with the Government, the DISCOM Utilities are responsible for their operation and maintenance. Therefore, the State Government has been advised to infuse fund in Distribution Utilities for operation and maintenance (O&M) of the assets created and owned by them in Distribution Utilities as the financial condition of DISCOMs does not permit them to do so.

8. Energy Audit

The Commission has been of the opinion that Energy Audit is a techno-commercial activity required to be implemented by DISCOMs to make their financial condition viable. The Commission had asked the DISCOMs to submit the status of energy audit. The same as on September 2016 furnished by the Licensees is given in the table below:

Status of Energy Audit- as on Sept 2016				
	WESCO	NESCO	SOUTHCO	CESU

33/11Kv Feeders	121	72	203	156
33/11Kv Feeders- Metered	118	72	203	156
33/11Kv Feeders-Audited	56	50	15	113
11Kv Feeders	608	519	660	820
11Kv Feeders- Metered	600	519	562	728
11Kv Feeders- Audited	458	474	166	680
DTRs	39881	55493	38515	59146
DTRs- Metered	959	369	124	13334
DTRs- Audited	130		124	680

The above table reveals that no progress has been made towards Energy audit. The Commission has directed DISCOMs to submit plan of action for the following energy audit activities during the year 2017-18:

- A. Metering of all the 33 KV feeders, 11 KV feeders and Distribution transformers.
- B. Energy Audit of balance 33 KV and 11 KV feeders, for which energy audit has not been carried out.
- C. Energy audit of all the DTRs and consumers.
- D. Consumer and pole indexing.
- E. Energy audit of all consumers starting from 33 KV feeders to the end use consumers.

Commission has directed that the licensee must provide specific timelines division and feeder wise plan for each of the above activities. While devising the plan, the thrust must be given to complete the audit of Industrial feeders and loss making urban feeders first and thereafter gradually focusing on other feeders and DTRs.

9. Performance of DISCOMs

The Commission monitors the performance of the utilities under various financial & technical parameters, including distribution loss, AT&C loss, collection efficiency, license conditions and performance standards, etc. Interruptions in Distribution System are measured in terms of Reliability Indices. The performance of DISCOMs for FY 2016-17 and the corresponding approved figures for FY 2017-18 are furnished in the table below:

Proposed and Approved Loss of DISCOM Utilities

	2015-16 (Unaudited)	2016-17 Approved	2016-17 Estimated	2017-18 Proposed	2017-18 (Approved)
CESU					
Distribution Loss	33.42%	23.00%	32.16%	30.84%	23.00%
Collection Efficiency	94.26%	99.00%	97.00%	99.00%	99.00%

	2015-16 (Unaudited)	2016-17 Approved	2016-17 Estimated	2017-18 Proposed	2017-18 (Approved)
AT & C Loss	37.25%	23.77%	34.20%	31.53%	23.77%
NESCO Utility					
Distribution Loss	26.73%	18.35%	25.00%	24.00%	18.35%
Collection Efficiency	95.72%	99.00%	96.00%	97.00%	99.00%
AT & C Loss	29.87%	19.17%	28.00%	26.28%	19.17%
WESCO Utility					
Distribution Loss	33.76%	19.60%	32.00%	30.00%	19.60%
Collection Efficiency	93.45%	99.00%	95.00%	96.00%	99.00%
AT & C Loss	38.10%	20.40%	35.40%	32.80%	20.40%
SOUTHCO Utility					
Distribution Loss	36.70%	25.50%	35.11%	32.35%	25.50%
Collection Efficiency	88.60%	99.00%	94.00%	96.00%	99.00%
AT & C Loss	43.92%	26.25%	39.01%	35.06%	26.25%
ALL ODISHA					
Distribution Loss	32.51%	21.35%	30.85%	29.22%	21.35%
Collection Efficiency	93.80%	99.00%	95.80%	97.28%	99.00%
AT & C Loss	36.70%	22.14%	33.75%	31.14%	22.14%

The above table shows that the actual Distribution Loss and AT & C Loss figures are much higher than the approved ones by the Commission. Similarly, collection efficiency figures are much lower than the approved figures of the Commission. All these signify that the DISCOMs are unable to check losses in the system and improve their collection efficiency to the desired levels.

10. Segregation of wheeling and retail supply business

The DISCOMs in their ARR submission had proposed allocation statement of wheeling and retail supply cost as follows:-

Sl No.	Cost/Income Component	Ratio for consideration in Wheeling Business	Ratio for consideration in Retail Supply Business
1	Cost of Power	0%	100%
2	Transmission Charges	0%	100%
3	SLDC Charges	0%	100%
	Total power purchase cost *		
	O&M		

SI No.	Cost/Income Component	Ratio for consideration in Wheeling Business	Ratio for consideration in Retail Supply Business
4	Employee Cost	60%	40%
5	Repair & Maintenance Cost	90%	10%
6	Administrative & General Expenses	40%	60%
7	Bad & Doubtful Debt including Rebate	0%	100%
8	Depreciation	90%	10%
	Interest on Loans		
9	for Capital loan	90%	10%
10	for Working capital	10%	90%
11	Interest on Security Deposits	0%	100%
12	Return on Equity	90%	10%
	Special Appropriation		
13	Amortization of Regulator Assets	25%	75%
14	True Up of Current year GAP 1/3rd	25%	75%
15	Other, if any-Contingency Reserve	90%	10%
	Grand Total		
	Miscellaneous Receipt		
16	Non-Tariff Income – Wheeling	as per actual assumption	as per actual assumption
17	Non-Tariff Income - Retail Business	as per actual assumption	as per actual assumption

The distribution licensees are yet to segregate the accounts of their licensed business into wheeling and retail supply business as provided in the OERC (Terms and Conditions for Determination of Wheeling Tariff & Retail Supply Tariff) Regulations, 2014. The Commission therefore, based on the above uniform allocation matrix allowed cost towards Retail Supply business and Wheeling business in the following manner.

Wheeling Business

On the basis of the aforesaid Allocation of Wheeling and Retail Supply Cost matrix table, the ARR for wheeling business for WESCO, NESCO, SOUTHCO Utilities and CESU is approved at Rs.294.51 cr, Rs.296.72 cr, Rs.209.50 cr and Rs.401.43 cr respectively. The wheeling charges (per unit) for WESCO, NESCO, SOUTHCO and for CESU has been accordingly determined at 50.30 paise/unit, 77.02 p/u, 65.53 p/u and 50.32 p/u respectively.

Retail Supply Business

Following the aforesaid Allocation of Wheeling and Retail Supply Cost matrix table, the net retail supply cost for WESCO, NESCO, SOUTHCO Utilities and for CESU is approved at Rs. 2423.08 cr, Rs.1929.96, Rs.894.50 cr and Rs.2819.65 cr respectively for FY 2017-18.

11. Calculation of Average Cost of Supply

With approved revenue for the DISCOMs the average cost of supply for Odisha for FY 2017-18 is as follows:

Average Cost of Supply (Per Unit) for FY 2017-18 (Rs. Crore)

Expenditure	(Approved)
Cost of Power Purchase	6969.15
Transmission Cost	628.50
SLDC Cost	3.73
Total Power Purchase, Transmission & SLDC Cost (A)	7601.38
Employee costs	1079.59
Repair & Maintenance cost	302.21
Administrative and General Expenses	197.21
Provision for Bad & Doubtful Debts	68.15
Depreciation	177.39
Interest Chargeable to Revenue including Interest on S.D	193.46
Sub-Total	2018.01
Less: Expenses capitalized	-
Total Operation & Maintenance and Other Cost	2018.01
Return on equity	36.00
Total Distribution Cost (B)	2054.01
Total Cost (A+B)	9655.38
Average Cost of Supply (paisa per unit)	488.26

12. Cross-Subsidy

The cross-subsidy for FY 2017-18 has been calculated as shown in the following table:

Year	Level of Voltage	Average cost of supply for the State as a whole (P/U)	Average Tariff P/U	Cross-Subsidy P/U	Percentage of Cross-subsidy above/below or cost of supply	Remarks
1	2	3	4	5= (4) – (3)	6= (5 / 3)	7
2016-17	EHT	480.40	572.36	91.96	19.14%	The tariff for HT and EHT
	HT		575.86	95.46	19.87%	

Year	Level of Voltage	Average cost of supply for the State as a whole (P/U)	Average Tariff P/U	Cross-Subsidy P/U	Percentage of Cross-subsidy above/below or cost of supply	Remarks
	LT		393.36	-87.04	-18.12%	category has been calculated based on average tariff.
2017-18	EHT	488.26	580.45	92.18	18.88%	
	HT		581.60	93.34	19.12%	
	LT		398.95	-89.31	-18.29%	

13. OHPC Tariff

- The station-wise ARR and average tariff calculated for the year 2017-18 is presented in the table below:

Station-wise ARR & Average Tariff Approved for FY 2017-18 (Rs. Cr.)

Details of expenses	RHEP	UKHEP	BHEP	HHEP	CHEP	Sub Total	UIHEP	Total
Saleable Design Energy (MU)	519.75	823.68	1171.17	677.15	485.10	3676.85	1942.38	5619.23
Total ARR	61.435	45.916	96.627	97.998	25.845	327.820	150.525	478.346
Average Tariff (P/U) for 2017-18	118.20	55.74	82.50	144.72	53.28	89.16	77.50	85.13
Average Tariff for the FY 2016-17 (P/U) (Approved)	116.08	54.87	90.52	140.03	53.70	90.41	75.36	85.20

- On the basis of the ARR determined above, the Commission has approved station-wise capacity charge and energy charge rate for the FY 2017-18 as per the schedule given below:

Station-wise Capacity Charge and Energy Charge Rate for FY 2016-17 & 2017-18

Name of the Power Stations	Capacity Charge (Rs. crore)		Energy Charge Rate (P/U)	
	2016-17	2017-18	2016-17	2017-18
Rengali HEP	30.166	30.718	58.039	59.101
Upper Kolab HEP	22.597	22.958	27.434	27.872
Balimela HEP	53.008	48.313	45.261	41.252
Hirakud HEP	47.41	48.999	70.013	72.360
Chiplima HEP	13.024	12.922	26.848	26.638
Upper Indravati HEP	73.187	75.263	37.679	38.748

Name of the Power Stations	Capacity Charge (Rs. crore)	Energy Charge Rate (P/U)
Machhkund HEP		47.920 55.068

- The unit cost of energy from Machhkund is approved at 55.068 paise for 2017-18 as against 47.92 paise per unit approved for 2016-17.

14. OPGC Tariff

- The two-part generation tariff proposed by OPGC and approved by the Commission for FY 2017-18 are given in the table below:

Sl. No.	Particulars	Unit	FY 2016-17		FY 2017-18	
			Proposed by OPGC	Approved by OERC	Proposed by OPGC	Approved by OERC
1	Net Generation	MU	2712.25	2861.50	2765.63	2861.50
2	Total Annual Fixed Cost	Rs Cr	208.58	200.63	226.80	207.52
3	Total Energy Charges	Rs Cr	360.79	343.81	503.05	354.08
4	Total Generation tariff (2+3)	Rs Cr	569.37	544.44	729.85	561.60
5	Capacity Charges (2/1)	Paise/kwh	76.90	70.11	82.00	72.52
6	Energy Charges (3/1)	Paise/kwh	133.02	120.15	181.90	123.74
7	Total Generation tariff excluding year-end charges tariff (5+6)	Paise/kwh	209.92	190.26	263.90	196.26

- The Commission has also provisionally approved for reimbursement of other charges (year-end charges) amounting to Rs.52.31 Cr. against OPGC proposal of Rs.58.98 crore.

15. Transmission Charges - OPTCL

- 25545MU of energy to be transmitted through OPTCL's network in FY 2017-18 as against 24900 MU in 2016-17.
- Total revenue requirement is approved at Rs. 639.40 crore for FY 2017-18 as against Rs. 623.25 crore for FY 2016-17.
- Transmission charge to use OPTCL's line and sub-stations has been kept constant at 25.00 p/u w.e.f. 01.04.2017.
- The Open Access Charges has been kept constant at Rs.6000/MW/Day or Rs.250.00/MWh for long-term customers for FY 2017-18.

- Short-term Open Access customers shall continue to pay Rs.1500 /MW/day or Rs.62.50/MWh w.e.f. 01.04.2017.

- The transmission loss has been approved at 3.50% for FY 2017-18.

16. BSP-GRIDCO

- The SMD approved for 2017-18 for DISCOMs is 4480 MVA
- Out of the estimated purchase of 26051.63 MU during FY 2017-18, GRIDCO sells 25140 MU to DISCOMs and 5 MU to CGPs. Balance energy of 906.63 MU goes towards Transmission Loss on DISCOMs purchase @ 3.5%.

- **Bulk Supply Price:**

DISCOM-wise Bulk Supply Price as approved by the Commission for the FY 2017-18 is furnished in the table below:

Name of the DISCOMs	Bulk Supply Price approved for 2015-16 (P/U)	Bulk Supply Price approved for 2016-17 (P/U)	Bulk Supply Price approved for 2017-18 (P/U)
CESU	285.00	270.00	274.00
NESCO	302.00	297.00	301.00
WESCO	310.00	296.00	301.00
SOUTHCO	200.00	197.00	199.00
All Odisha (Avg.)	284.29	273.14	277.21

Comparison of power purchase cost of GRIDCO approved by the Commission in the ARR vrs Actual

Year	Commission's Approval			Actual		
	Energy MU	Avg. Rate P/U	Total cost Rs. in Cr.	Energy MU	Avg. Rate P/U	Total cost Rs. in Cr.
2015-16	25776.23	229.97	5927.67	25037.61	247.16	6188.32
2016-17 (Provisional)	25492.87	229.44	5849.16	25316.14	268.29	6791.97
2017-18	26051.63	246.42	6419.56			

17. Renewable Purchase obligation

- OERC in its order dtd. 30.09.2010 vide Case No. 59/2010 had issued a Regulation fixing the RCPO in the State of Odisha as follows:

Year-wise target	Minimum quantum of purchase in percentage (in terms of energy consumption in the State in KWH)		
	Renewable	Co-generation	Total

	Solar	Non-solar		
2009-10	-	0.80	3.45	4.25
2010-11	-	1.0	3.50	4.5
2011-12	0.10	1.20	3.70	5.0
2012-13	0.15	1.40	3.95	5.5
2013-14	0.20	1.60	4.20	6.0
2014-15	0.25	1.80	4.45	6.5
2015-16	0.30	2.00	4.70	7.0

- Further, the Commission, vide its order dated 18.11.2010, designated OREDA as State Agency for accreditation and recommending the renewable energy projects for registration and to undertake to function under OERC (Renewable and Co-Gen purchase obligation and its compliance) Regulations, 2010.
- However, on 1st August, 2015, the Commission notified “Odisha Electricity Regulatory Commission (Procurement of Energy from Renewable Sources and its Compliance) Regulations, 2015”. According to the said Regulations, every Obligated Entity shall at least purchase source-wise energy from Renewable sources as indicated in the table below:

Minimum quantum of electricity to be procured from Renewable Sources by Obligated Entity as percentage of total Consumption in KWh

Year-wise target	Solar Source (%)	Non Solar sources (%)	Total (%)
2015-16	0.50	2.50	3.00
2016-17	1.50	3.00	4.50
2017-18	3.00	4.50	7.50
2018-19	4.50	5.00	9.50
2019-20	5.50	5.50	11.00

18. Tariff for Renewable Energy

- As per the estimation of Odisha Renewable Energy Development Agency (OREDA), the Nodal Agency for development of Renewable Energy Sources, the RE power potential of the state is about 16430 MW. However, as per the estimation of WISE, Pune the RE potential of the state is about 7874 MW as shown in the table below:

RE power potential of Odisha

Sl. No	Sources	RE Potential assessed by OREDA (in MW)	RE Potential assessed by WISE (in MW)
1	Wind Energy	1700	2430

2	Biomass Power	350	240
3	Micro/ Mini /Small hydro	360	184
4	Municipal Solid / liquid waste	20	20
5	Solar	14000	5000

- The Commission in its order dated 14.09.2010 in Case No.37/2008 has approved following levelled generic tariff for various renewable sources applicable for the project to be commissioned during the Control period from the FY 2010-11 to 2012-13.

Particular	Levelled Total Tariff (for the control period 2010-11 to 2012-13) (Rs./kWh)	Benefit of Accelerated Depreciation (if availed) (Rs./kWh)	Net Levelled Tariff (upon adjusting for Accelerated Depreciation benefit) (if availed) (Rs./kWh)	Tariff Period (Years)
Wind Energy	5.31	(0.83)	4.48	13
SHP projects of 5 to 25 MW capacity	3.64	(0.55)	3.09	13
SHP projects below 5 MW capacity	3.91	(0.60)	3.31	35
Solar PV	17.80	(3.03)	14.77	25
Solar Thermal	14.73	(2.41)	12.32	25

The levelled generic tariff for various renewable sources of energy having “Single part tariff with two components” has been approved as in the following table:

Particular	Levelled fixed component of Tariff (Rs./kWh)	Variable(Fuel) Component of tariff for FY 2010-11	Effective tariff for FY 2010-11	Benefit of Accelerated depreciation (if availed) (Rs./kWh)	Net Tariff (Rs./kWh)
Biomass	1.95	2.14	4.09	(0.21)	3.88
Non-fossil fuel based co-generation	2.26	2.14	4.40	(0.28)	4.12

- Further, the Commission in its order dated 23.09.2011 in Case No. 151-155/2010 had revised the generic tariff of Bio-mass projects commissioned during the control period of 2010-11 to 2012-13 as given in the table below:

Year	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
Variable tariff	2.92	3.06	3.21	3.37	3.54	3.72	3.91	4.10	4.31	4.52	4.75	4.99	5.24

Levellised fixed Tariff	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95
Year-wise Tariff	4.87	5.01	5.16	5.32	5.49	5.67	5.86	6.05	6.26	6.47	6.70	6.94	7.19
Benefit of Accel. Deprn	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
Year-wise tariff after Accel Deprn.	4.66	4.80	4.95	5.11	5.28	5.46	5.65	5.84	6.05	6.26	6.49	6.73	6.98

- The Commission vide its order dated 20.06.2012 in Case No. 1 of 2012 had re-determined the generic tariff of Solar PV and Solar Thermal Projects commissioned during the FY 2012-13 as given in the table below.

Particular	Levellised Tariff (Rs./kWh)	Benefit of Accelerated Depreciation (Rs./kWh)	Net Levellised Tariff (Benefit of Accelerated Depreciation if availed) (Rs./kWh)	Tariff Period (Years)
Solar PV	13.34	(1.75)	11.59	12
	8.74	-	8.74	13
Solar Thermal	14.81	(1.96)	12.85	12
	10.91	-	10.91	13

- Thereafter, the Commission, vide its Order dated 15.01.2014 passed in Case No 80 of 2013, has determined the generic tariff of Renewable Energy Sources for the Second Control Period i.e. from 2013-14 to 2015-16. However, the Second Control Period for SHEP is five years i.e. from the FY 2013-14 to 2017-18. The generic tariff determined in the said Order is applicable to the Renewable Power Projects to be set up in the State of Odisha during the Second Control Period.
- The summary of the generic tariff for renewable technologies for the second control period are as follows:
- The levellized generic tariff for various renewable sources of energy having "Single part tariff" is approved as in the following table:

Particular	Levellised Total Tariff (for the 1 st year of current control period (Rs./kWh)	Benefit of Accelerated Depreciation (Rs./kWh)	Net Levellised Tariff (upon adjusting for Accelerated Depreciation benefit) (Rs./kWh)	Tariff Period (Years)
Wind Energy	6.24	(0.45)	5.79	13
SHP projects of 5 to 25	4.26	(0.48)	3.78	25

MW capacity				
SHP projects below 5 MW capacity	4.89	(0.52)	4.37	25
Solar PV	11.44	(1.12)	10.32	First 12 yrs
	6.78	-	6.78	Next 13 yrs
Solar Thermal	9.52	(1.70)	7.82	First 12 yrs
	5.26	-	5.26	Next13 yrs

- The levelized generic tariff for various renewable sources of energy having “Single part tariff with two components “ is approved as in the following table:

Particular	Levellized fixed component of Tariff (Rs./kWh)	Variable(Fuel) Component of tariff	Effective tariff	Benefit of Accelerated depreciation (Rs./kWh)	Net Tariff (Rs./kWh)
Biomass	2.13	3.20	5.33	(0.15)	5.18
Non-fossil fuel based co-generation	2.34	2.77	5.11	(0.28)	4.83

- The impact of additional power purchase cost arising out of meeting the RPO obligation shall be factored in to the ARR of GRIDCO each year.
- The Commission shall take into consideration any incentive or subsidy offered by the Government of India/State Govt. including accelerated depreciation benefit if to be availed by the developer for the renewable energy power plants and such benefits shall be passed on to the consumers of the State.

19. Power Purchase from Renewable Sources:

- Based on the proposal of GRIDCO and considering the availability, the Commission has approved purchase of 763 MU from renewable energy sources (both solar and non-solar) for State use during the FY 2017-18. The source-wise power procurement from Renewable sources are indicated in the Table below:

Estimated Drawal from Renewable Energy Sources during FY 2017-18

Sl. No.	RE Sources	Energy approved for Procurement during the FY 2017-18 (MU)	Percentage w.r.t. the total estimated drawl of DISCOMs (%)	RPO fixed in the Regulation for the FY 2017-18 (%)
A.	Non-Solar			
(i)	Small Hydro Electric Project (SHEP)	320.00	1.27	
(ii)	Energy from Bio-mass	80.00	0.32	

	Total (Non-Solar)	400.00	1.59	4.50
B.	Total Solar	363.00	1.44	3.00
C.	Total (Solar & Non-Solar)	763.00	3.03	7.50

20. SLDC to function as Independent System Operator (ISO)

- Section 31 and 32 of the Electricity Act, 2003 contemplate SLDC as an Independent Apex Body to ensure integrated operation of the power system in the State. The Act also provides for financial independence of SLDC under Section 32 (3) by way of levy and collection of fees and charges from generating companies and the licensees using the Intra-State transmission network. OERC has formulated the OERC (Fees and Charges of SLDC and other related matters) Regulations, 2010 for implementation of levy of annual fee and charges for SLDC functions in Odisha.
- The Commission vide Order dtd. 23.03.2017 has approved the ARR of Rs. Rs.810.21 lakh / annum for SLDC to be recovered through SOC & MOC during FY 2017-18.

21. Open Access in Transmission and Distribution:

- OERC has issued OERC (Terms and Conditions for Open Access) Regulations, 2005 on 06.06.2005 for introduction of Open Access to the intra-state transmission and distribution system in Odisha effective from 21.06.2005.
- As per that Regulation, consumers seeking Open Access to the distribution and/or intra-state transmission system can avail supply of electricity exceeding 1 MW from any licensee other than the Distribution Licensee of the respective area of supply w.e.f. 01.04.2008 and from a generating company w.e.f. 01.01.2009.
- The Commission has also issued OERC (Determination of Open Access Charges) Regulations, 2006 on 06.06.2006 and made effective from 18.07.2006.
- As per this Regulation transmission charges (payable to STU), wheeling charges and cross-subsidy surcharges (payable to DISCOMs) are being notified by the Commission for Open Access consumers every financial year w.e.f. FY 2008-09.

22. Open Access Charges

The wheeling charge and surcharge as indicated in Table below shall be applicable for the year 2017-18.

Surcharge, Wheeling Charge & Transmission Charge for

Open access consumers of 1MW & above

Name of the licensee	Cross-Subsidy Surcharge (P/U)		Wheeling Charge P/U applicable to HT consumers only	Transmission Charges for Short Term Open access Customer (applicable for HT & EHT consumers)
	EHT	HT		
CESU	146.19	99.82	50.32	Rs. 1500/MW/day or

				Rs.62.5/MWh
NESCO	128.64	63.39	77.02	Rs. 1500/MW/day or Rs.62.5/MWh
WESCO	128.64	80.76	50.30	Rs. 1500/MW/day or Rs.62.5/MWh
SOUTHCO	194.94	142.92	65.53	Rs. 1500/MW/day or Rs.62.5/MWh

- No additional surcharge to meet the fixed cost of distribution arising out of its obligation to supply as provided under Sub-section 4 of Section 42 of the Electricity Act, 2003.
- The normative transmission loss at EHT (3.50%) and normative wheeling loss for HT level (8%) are applicable for FY 2017-18.
- Additional Surcharge: No additional surcharge over and above the Cross-Subsidy Surcharge needs to be given to the embedded licensee.
- No Cross-subsidy surcharge are payable by the consumers availing Renewable power.
- 20% wheeling charge is payable by the consumer drawing power from Renewable source excluding Co-generation & Bio mass power plant.

23. Present status of Open Access

- All the STOA applications for inter-State / intra-State Open Access have been processed by SLDC.
- In FY 2016-17, 1502 numbers of applications were received for STOA/MTOA in Inter-State Transmission system. Consent had been accorded for 1366 numbers of applications. The remaining 136 numbers have been rejected/withdrawn by applicants.
- Similarly, 130 nos. of intra-state STOA applications are allowed against the receipt of total 143 nos. of applications.
- Generally the status of the applications is conveyed to the applicant by SLDC within the stipulated time as per the Regulations.
- There are two nos. of Intra-State long term Open Access consumers such as M/s ICCL and NALCO who have been availing Open Access in State Transmission System since OSEB days.

6.2 ENGINEERING DIVISION

A. Major Activities of Engineering Section (FY 2016-17)

This Division provides vital technical inputs for grant, revocation, amendment or exemption from license. It monitors the performance of the utilities [i.e. Bulk Supply (Trading) Licensee, Transmission Licensee and Distribution Licensees] under various technical parameters, including license conditions and performance standards. Interruptions in Distribution System are measured in terms of Interruption

Reliability Indices (known as SAIFI, SAIDI and MAIFI), for which the Distribution Licensees submit their monthly, quarterly and annual performance reports. This Division also looks into general complaints of technical nature affecting large areas/industrial/group of consumers.

1. The Annual Guaranteed and Overall Performance report FY 2015-16 were submitted by the DISCOMs. The consolidated Annual Guaranteed Performance report was published in the OERC website and Overall Performance report was published in daily newspapers on 05.10.2016 and also in the OERC website. The Overall Standards of Performance of DISCOMs, as reported and furnished through affidavit for FY 2015-16 is placed as **ANNEXURE – 2**.
2. OPTCL has inherited from GRIDCO a considerable ageing transmission network. Continuous up-gradation and regular repairs and maintenance are required to keep the network in a safe and operational condition and to meet the growing requirements of DISCOMs' demand as well as to fulfill the Commission's and consumers' expectations on quality of supply, performance standards and availability of transmission network. The Commission, over the past several years, has been approving new transmission projects, augmentation of existing ones and also allowing a significantly higher amount for R&M expenses for encouraging the Licensee to undertake regular & adequate maintenance. Timely maintenance of equipments can prolong their longevity, reduce downtime and provide quality supply.
3. OPTCL has undertaken the following technological advancements for efficient transmission system.
 - Integrated ERP system
 - Use of HTLS conductors
 - Implementation of SCADA and Automation system
 - Gas Insulated Switchgear (GIS) sub-stations
 - Implementation of Geographical Information System (GIS)
 - Smart Grid
 - Underground cables & Digitization of Bays

In addition to the above, OPTCL has been directed to introduce automation of existing sub-stations, Fiber optics cable, underground EHV cables etc.

4. The Commission has directed OPTCL that DISCOMs should be intimated well before the completion of any transmission project so that they are prepared for receiving power and accordingly build their downstream distribution lines for evacuation of power. OPTCL should discuss with the DISCOMs before submission of transmission projects for approval of the Commission, so that the investment on s/s should be well justified and these should not be left idle due to non-completion of interlinking transmission/distribution lines. The equity infusion is required to be balanced and the assets so created should be utilized in a productive manner. The financing of CAPEX may be done at Debt:Equity ratio of

70:30 in line with OERC Regulations for Intra-State Transmission System for the period 2014-19. Further, OPTCL should have a proper monitoring and execution mechanism in place and regularly monitor the progress of all its on-going projects to avoid in-ordinate delay. Projects should be completed within the time schedule to avoid cost and time over-run. OPTCL should prioritize the projects in terms of requirement and draw a phase-wise project implementation schedule with specific time-line.

5. While approving the Business plan, the Commission approved the following loss trajectory for the transmission system of OPTCL.

Parameter	2015-16	2016-17	2017-18	2018-19
Transmission loss	3.75%	3.70%	3.50%	3.00%

6. OPTCL should identify the low voltage pockets in the State particularly in the border areas and should take steps for strengthening transmission system. The Commission also directed that OPTCL should continuously monitor the operation of the transmission system, prevent overloading by load diversion wherever possible and take up advanced practices for improving system loading of the existing network. Effective utilization of new lines and their impact on transmission loss need to be intimated to the Commission along with loss reduction strategies.
7. OPTCL needs to ensure avoidance of under loading of lines and substations to minimize system losses. OPTCL must ensure through system studies that no under loaded projects are taken up due to their economic un-viability. Proper system studies should be conducted before proceeding for any network expansion for evacuation of power. The system study should be comprehensive and should clearly specify point of interconnection and additional links required for evacuation. OPTCL shall prepare a plan for increasing automation and adopting smart grids in the system gradually and in its functioning.
8. The Commission has directed DISCOMs to come up with plans to reduce distribution loss, increase billing efficiency particularly in LT and also enhance Collection Efficiency in short run & long run. The consumers should be tagged to feeder, for purpose of consumer indexing. Commission has directed DISCOMs to conduct Energy Audit starting from 33/11 kV S/S up to the consumers. Energy audit on regular basis and close monitoring in coordination with franchisees/SHGs can improve the performance of DISCOMs. DISCOMs need to take proactive steps to realize revenues from the consumers. Special emphasis should be given on collection of arrears.
9. DISCOMs are required to replace all the defective three phase meters immediately and utilise the left over CAPEX materials. DISCOMs to introduce the proven/tested technology available in the market to reduce human interface to increase revenue. A plan of action of introduction of Technological Intervention and adoption of new technology should be in place focusing on methods of loss reduction and revenue enhancement mechanism.

10. Proper communication/awareness programmes should be conducted by the DISCOMs so that the consumers should know about their rights and duties. In any case, consumers' confidence on the system is required for a successful operation. DISCOMs are required to run on commercial principle. The fundamental principle of survival of DISCOMs as commercial entities is to have proper control over the behavior of its consumers, energy input, energy billing, collection, energy pilferage and developmental activities etc. DISCOMs should maintain a detailed profile of the consumers and have an automatic system of response through SMS.
11. In order to extend quality & reliable power to the consumers of the state, distribution licensees are to comply with the following recommendations:
 - DISCOMs should complete pole scheduling, consumer indexing, distribution network mapping linking with indexed consumers. They should also ensure that reliable & correct meters are installed at all points of consumption for the purpose of Energy Audit to identify revenue leakage.
 - Pro-active action for disconnection of those consumers whose bills are not paid continuously (including Govt Connections).
 - To enhance capacity building of employees and officers related to enhancement of knowledge on evolving technologies and best practices being used by other organizations, the licensees should impart training to its personnel to upgrade their skills to cope up with the changing needs.
 - Standard of Performance should be verified by a third party on behalf of the licensees.
 - DISCOMs should ensure that the Standard of Performance in the OERC (Licensees' Standard of Performance) Regulation, 2004 are displayed prominently at all section offices and bill collection counters.
 - DISCOMs should establish centralised customer care centres at urban and suburban areas also.
 - DISCOMs should fulfil their obligation of energy conservation and DSM activities under OERC Demand Side Management (DSM) Regulation, 2011.

The Commission expects that with continuous monitoring, the system will revive and continue to give good service to the consumers.

12. The Engineering Division took up the following other activities during the FY 2016-17:

- a) Publication of System Performance during FY 2015-16 of OPTCL

The annual system performance of OPTCL for the year 2015-16 was submitted by OPTCL, SLDC on 10.08.2016 and the same was examined and approved along with the observations of the Commission for publication on 17.09.2016.

The summary findings of Transmission and Bulk Supply Performance as submitted by OPTCL are furnished below:

- i) The annual peak demand of OPTCL was 4175 MW during 2015-16 as compared to 3981 MW during 2014-15.
 - ii) GRIDCO had drawn 16988.04 MU from the State sector and 7543.828 MU from the Central sector and 83.395 MU as net banking and IEX power import during 2015-16, whereas it had drawn 17595.171 MU, 7907.641 MU and 190.931 MU respectively from the State, Central sector and banking power during 2014-15.
 - iii) During this period, OPTCL made addition of 402.2 Ckt km of 400 kV lines, 147.4 Ckt km of 220 kV lines and 199.328 Ckt km of 132 kV lines. As on 01.04.2016, OPTCL is having total 1129.434 ckt. km of 400 KV lines, 5877.734 ckt. km of 220 KV lines and 5828.295 ckt km of 132 KV lines. There was capacity addition of 1 no. of 400kV S/S, 1 no. of 220 kV S/S, 8 nos. of 132/33 KV S/S and 3 nos. of switching stations.
 - iv) During 2015-16, 27 hours of load restriction was clamped on rotation basis to curtail demand due to non-availability of generation/failure of generating stations and no restriction was clamped due to non-availability of transmission capacity. Also, there was no rescheduling of generation on account of non-availability of transmission capacity.
- b) Other important tasks carried out by the Engineering Division during 2016-17 include the following:
- i) Annual System Performance of OPTCL.
 - ii) Long Term Demand Forecast and Transmission Plan for the State of Odisha.
 - iii) Finalization of Business Plan.
 - iv) CEA, CERC, FOR, Assembly Questions, Parliament Questions.
 - v) General Consumer Complaints.
 - vi) Monitoring of License Fees.
 - vii) Technical visit to licensee area, S/S and Electrical Installations.
 - viii) Energy Conservation and DSM.
 - ix) Issues related to roof top solar installation, Renewable Energy Certificate Mechanism
 - x) Investment approval of the licensees.

B. Major Activities of IT section (FY 2016-17)

1. Procurement of IT Equipments and Services

- (a) As many of the desktop computers were more than 7-8 years old, they were replaced with 10 new desktop computers at a total cost of Rs.4,17,455/-.
- (b) One Ultrabook laptop from HP was procured for Rs.1,07,300/- and an Apple Macbook was purchased for Rs.60,900/-.

- (c) One A3 Laser printer of HP make was purchased for Rs.68,000/- to be used by the accounts section. Moreover, 5 laserjet printers and a deskjet printer of HP were procured at a total cost of Rs.1,20,309/-.
- (d) Quick Heal Total Internet Security software (50 Users & 3 years) were purchased for Rs.45,000/- and were installed in the existing computers.
- (e) The contract for Leasing of 100 GB web space and hosting existing portal of OERC (www.orierc.org) along with mission-critical applications on Oracle was renewed for one year with the existing terms and conditions including the financial provision of Rs.1,98,540/- (inclusive of all charges and taxes).

2. Advising Commission & Utilities on IT Projects

IT section advised the Commission and also the utilities in the matters of information and communication technologies especially in Smart Grid and Enterprise Resource Planning (ERP).

3. Review of Restructured Accelerated Power Development and Reforms Programme (R-APDRP) Work of CESU

R-APDRP work at CESU has two parts i.e. Part-A & Part-B. Part-A entails IT implementation in 12 towns under CESU and SCADA/ DMS (Supervisory Control & Data Acquisition System/Distribution Management System) implementation in only Bhubaneswar & Cuttack for a total project cost of Rs.159.74 crore. Part-B involves system strengthening works like addition/upgradation of sub-stations, transformers, lines etc. across twelve towns of CESU including Bhubaneswar and Cuttack for a total cost of Rs.248.12 crore. IT section reviewed the aforesaid works continuously and brought out the critical issues before the CESU management for taking timely action so that the whole project would get completed by the deadline of March, 2018.

4. Maintaining Monthly Data of DISCOMs (Financial & Technical) in Oracle

The month-wise data received from each DISCOM was maintained in the Oracle Database for security and retrieval as and when required by the Commission. These data relate to important financial, commercial and technical requirements reflecting number of consumers, billing, purchase, loss, arrear, metering of feeders, DTRs, interruption and length of new conductors added etc.

5. Entry/Updation/Maintenance of Data in Case Tracking System

IT section made the entry/updation of details related to the cases including the orders on regular basis. The uploading of the data maintained in the local server was effected every day to our website making the data about the cases available to the public. MIS reports for pending cases, final cases and cases whose hearing are concluded and order reserved were provided to RA (Regulatory Affairs) division for taking necessary action at their end.

6. Entry/Updation/Maintenance of Data in Web-based GRF System

The web-based System on GRF Orders gets the case orders digitally from 12 GRFs every week. These are processed, formatted and entered into the system for enabling the users to view/query the orders on the basis of various parameters like category of complaint, regulation & clause involved, divisions, period etc. Presently all the orders from January 2014 onwards are available on the website of OERC i.e. www.orierc.org.

This system provides useful and detailed information about the cases which have been disposed of by twelve nos. of GRFs in Odisha.

7. Entry/Updation/Maintenance of Data in Web-based System on Orders of SC (Supreme Court) and ATE (Appellate Tribunal on Electricity)

This system allows users to view / download abstract of orders of SC and ATE on the basis of keywords. For example, on choosing 'Cross Subsidy' as the keyword, the relevant orders of SC and/or ATE are displayed. The user can view/download the abstract of the order. This system is available in the OERC's website under the heading '**Cases**' and is updated by IT section.

8. Entry/Updation/Maintenance of Data in Web-based System on Consumer Grievance Report

This system allows users to view/download report on 'consumers' grievances' on the basis of the consumer name and/or the period in which the consumer complaint was filed in OERC. This system is available in the OERC's website under the heading '**Consumers**' and updated on a monthly basis.

9. Maintenance of Database, Hardware and Software

a) Maintenance of Database entailed the following activities

- CESU Billing System data transfer from DBF to text
- Converting Data to Oracle format
- Exporting data from Local Server
- Importing & configuring Data in Web Server
- Regular backup of
 - CBIS (CESU Billing Information System)
 - RIMS (Regulatory Information Management System)
 - Savior System (Attendance Recording System)
 - CTS (Case Tracking System)
 - GRF Orders System

b) Hardware Maintenance involved the following activities

- Solving Computer Booting/Shutdown/Hang problems
- Resolving Network problems
- Installation of Biometric Attendance Recording System

- Fixing of Printer and Monitor related problems
- Maintenance of Oracle Server, Internet Server, Switch, HUB, Modem, CCTV, Mail Server etc.

c) Software Maintenance entailed the following activities

- Installation of software including Operating System and Application software
- Up-gradation of software including anti-virus
- Maintenance of software & data in Attendance Recording System

10. Managing OERC Pension Fund Trusts

The Group Superannuation Cash Accumulation (GSCA) Plan and Group Leave Encashment Scheme (GLES) of the LIC of India have been adopted by OERC for its employees. As per the actuarial estimation made by LIC towards superannuation of employees of OERC, Rs.106.36 lac was transferred to GSCA fund of LIC on 30-03-2017. The balance GSCA at end of the FY 2016-17 was Rs.8.41 crores. As estimated by LIC towards leave encashment of employees of OERC, Rs.29.26 lac was transferred to GLES fund of LIC on 23-03-2017. The GLES fund has a balance of Rs.126.95 lac. at the end of FY 2016-17.

6.3 REGULATORY AFFAIRS DIVISION

The Regulatory Affairs Division deals with all legal matters pertaining to the functions of the Commission. It also scrutinizes applications/replies/objections filed before the Commission, rendering necessary legal advice on various matters. The Division engages Advocates for representing the Commission in various Courts, Fora and Tribunals including liaising with legal counsels. It is also involved in drafting and vetting of Regulations, Tariff Orders, practice directions, notifications; maintaining relevant legal information, participating in Commission's proceedings.

1. Case matters before the High Court/Supreme Court/ATE (During FY 2016-17)

During the year 2016-17 the Commission had received notices in 16 nos. of cases from the Hon'ble High Court of Odisha, Cuttack. The Commission also received notices in 6 nos. of appeals from the Appellate Tribunal for Electricity (ATE), New Delhi and received notices in 2 nos. of Civil Appeals from the Hon'ble Supreme Court of India. The Commission has filed Caveat Petition before the Hon'ble Supreme Court of India apprehending stay of operation of the judgment dated 21.08.2017 of the Hon'ble ATE passed in Appeal No. 64/2015 (Revocation of Licenses of RIL Managed DISCOMs namely, WESCO, NESCO & SOUTHCO) wherein the findings of the Commission for revocation of licenses is upheld by the Hon'ble ATE.

The Commission had engaged Sri Rutwik Panda, Advocate-on-Record and Sri P. Ramesh Bhatt, Sr. Advocate, Sri Prasanto Sen, Advocate and Sri G.Umapathy, Sr. Advocate and Sri Sekhar

Naphede, Sr. Counsel in Supreme Court of India/Appellate Tribunal for Electricity, New Delhi as its Legal Counsels and Sri Biswajit Mohapatra, Advocate as its Legal Counsel to represent the cases on behalf of the Commission before the Hon'ble High Court of Odisha.

2. Status of Regulations Framed under Electricity Act, 2003 by OERC

Consequent upon implementation of the Electricity Act, 2003, the Commission has framed a number of Regulations which are shown in the Table below:

Sl. No.	Name of the Regulations	Odisha Notification Date	Published in Orissa Gazette No. and Date
1.	OERC (Conditions of Supply) Code, 2004.	21 st May, 2004	28 th May, 2004
2.	OERC (Licensees Standards of Performance) Regulations, 2004.	21 st May, 2004	28 th May, 2004
3.	OERC (Grievances Redressal Forum and Ombudsman) Regulations, 2004.	5 th April, 2004	17 th May, 2004
4.	OERC (Terms and Conditions for Determination of Tariff) Regulations, 2004.	9 th June, 2004	10 th June, 2004
5.	OERC (Procedure for filing appeal before the Appellate Authority) Regulations, 2004.	21 st May, 2004	28 th May, 2004
6.	OERC (State Advisory Committee) Regulations, 2004.	21 st May, 2004	28 th May, 2004
7.	OERC (Conduct of Business) Regulations, 2004.	21 st May, 2004	28 th May, 2004
8.	OERC (Terms and Conditions for Open Access) Regulations, 2005.	6 th June, 2005	21 st June, 2005
9.	OERC (Determination of Open Access Charges) Regulations, 2006	6 th June, 2006	18 th July, 2006
10.	Odisha Grid Code Regulation, 2006	-	14 th June, 2006
11.	OERC (Intra-State ABT) Regulations, 2007	17 th Dec., 2007	14 th Feb., 2008
12.	OERC(Fees and Charges of State Load Despatch Centre and other related matters) Regulation, 2010	6 th June, 2010	18 th November, 2010
13.	OERC (Renewable and Co-generation Purchase Obligation and its Compliance) Regulation, 2010	30 th Sept., 2010	14 th Dec., 2010
14.	OERC (Demand Side Management) Regulation, 2011	20 th August, 2011	16 th Nov., 2011
15.	OERC (Terms and Conditions for Determination of Wheeling Tariff and Retail Supply Tariff) Regulations, 2014	14 th Nov, 2014	20 th Dec, 2014

Sl. No.	Name of the Regulations	Odisha Notification Date	Published in Orissa Gazette No. and Date
16	OERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2013	8 th Sept,2014	10 th Oct,2014
17	OERC (Terms and Conditions for Determination of Transmission Tariff) Regulations, 2014	21 st Oct,2014	4 th Dec.2014
18	OERC (Procurement of Energy from Renewable Sources and its Compliance) Regulations, 2015	1 st Aug. 2015	10 th Sep., 2015
19	Odisha Grid Code (OGC) Regulations, 2015	11 th Aug., 2015	21 st Dec., 2015

The above Regulations are available in the commission's website –www.orierc.org.

3. Proceedings before the Commission

The Regulatory Affairs Division examines and scrutinizes petitions/ replies/ objections filed before the Commission.

The Division advises and renders legal opinion on matters referred to it by the Engineering, Tariff, Secretarial and Administrative Divisions.

78 nos. of Cases were registered and 140 nos. of Cases were disposed of by the Commission during the period from **01.04.2016 to 31.03.2017** including 10 nos. of cases of Tariff matters for FY 2017-18.

Important Orders passed by the Commission during 1st April, 2016 to 31st March, 2017

Sl. No.	CASE No.	Date of Final Order	PETITIONER	SUBJECT
1	14/2004	23/NOV/2016	BHARAT UDYOG LTD	For recalculation of energy bill & restoration of power supply.
2	74/2007	18/FEB/2017	PRINIK STEELS PVT. LTD	For non-compliance/violation of the award dt.05.11.2007 of the Ombudsman (CZ), BBSR passed in consumer representation case No.OM(CZ)-60/2007
3	77/2007	29/MAR/2017	TATA SPONGE IRON LTD	Challenging the inaction of OPTCL in refunding excess supervision charges
4	42/2009	25/JUL/2016	WESCO	Change of Tariff Structure
5	64/2009	31/MAY/2016	NIRANJAN MOHANTY	U/s 142, 146 & 147 of the Electricity Act, 2003.
6	66/2009	21/JUN/2016	SMT. BINDU PATTANIK	U/s 142 of the Electricity Act, 2003
7	69/2009	26/MAY/2016	FERRO ALLOYS	Arbitrary and illegal load restriction imposed

			CORPORATION LTD	by OPTCL to restrict the drawal of industrial load beyond 10 MW.
8	71/2009	27/JUL/2016	MAKHAN LAL AGAARWAL	U/s 142 of the Electricity Act, 2003
9	74/2009	08/JUL/2016	LAXMIDHAR CHAKRA & OTHERS	U/s 142, 146 & 147 of the Electricity Act, 2003
10	75/2009	09/DEC/2016	VENDANTA ALUMINIUM LTD.	For approval of its CGP having capacity of 75 MW as Co-generation Plant at Lanjigarh
11	76/2009	09/DEC/2016	PATNAIK STEEL & ALLOYS LTD.	For approval of CGP having installed capacity of 15 MW at Purunapani as a Co-generation Plant.
12	77/2009	26/MAY/2016	BALASORE ALLOYS LTD.	Arbitrary and illegal load restriction imposed by OPTCL to restrict the drawal of industrial load beyond 10 MW
13	78/2009	26/MAY/2016	TATA STEEL LIMITED	Arbitrary and illegal load restriction imposed by OPTCL to restrict the drawal of industrial load beyond 10 MW
14	79/2009	09/DEC/2016	SMC POWER GENERATION LTD.	For approval of its CGP having installed capacity of 33 MW as Co-generation Plant.
15	80/2009	09/DEC/2016	IFFCO	For approval of CGP under category of Co-generation
16	81/2009	09/DEC/2016	SHYAM DRI POWER LTD.	For approval of its CGP having installed capacity of 25 MW.
17	88/2009	27/JUL/2016	GANAPATI FERRO INDIA (P) LTD.	U/s 142 of the Electricity Act, 2003
18	10/2010	17/FEB/2017	KAMBHU PRUSTY	U/s 142 of the Electricity Act, 2003
19	12/2010	28/JUN/2016	AURO ISPAT (I) PVT. LTD.	U/s 142 of the Electricity Act, 2003
20	38/2010	21/JUN/2016	SMT. RUPASHREE MAHANTY	U/s 142 of the Electricity Act, 2003
21	43/2010	17/JUN/2016	BISHNU CHARAN SAHOO	U/s 142 of the Electricity Act, 2003
22	56/2010	27/JUL/2016	PRADHAN INDUSTRIES LTD.	U/s 142 of the Electricity Act, 2003
23	57/2010	28/JUN/2016	STEEL AUTHORITY OF INDIA	U/s 142 of the Electricity Act, 2003

24	137/2010	21/JUN/2016	BRAJA DASH	U/s 142 of Electricity Act-2003
25	139/2010	28/JUN/2016	SHREE GANESH RICE MILL	U/s 142 of the Electricity Act,2003
26	141/2010	25/JUL/2016	SUKUMAR BEHERA	U/s 142 of the Electricity Act
27	160/2010	27/JUL/2016	GURDEEP SINGH CHABRA	U/s 142 of the Electricity Act, 2003
28	164/2010	21/DEC/2016	PRASANTA CHAUDHURY	U/s 142 of the Electricity Act,2003
29	14/2011	30/JUL/2016	MALATI STEELS PVT LTD	U/s 142 of the EA-2003, for non compliance of GRF order
30	43/2011	20/JUL/2016	GRIDCO	For approval of PPA executed between NTPC & as well as its joint ventures & DRIDCO
31	47/2011	25/JUL/2016	EAST COAST RAILWAY	U/s 142 of the Electricity Act-2003
32	48/2011	28/JUN/2016	EAST COAST RAILWAY	U/s 142 of the Electricity Act 2003
33	65/2011	28/JUL/2016	STEEL AUTHORITY OF INDIA	U/s 55(3) of the Electricity Act-2003.
34	69/2011	27/JUL/2016	SUBAL CHANDRA MISHRA	U/s 142 of the Electricity Act-2003.
35	71/2011	30/JUL/2016	OPTCL	Approval of Evacuation plan and for directions to respondent IPPs to have connectivity as envisaged in the Evacuation Plan.
36	83/2011	29/JUL/2016	ENZEN GLOBAL SOLUTIONS PVT. LTD.	U/s 142 & 146 of EA-2003, challenging the inaction of opposite party in implementing the decision and/or order dated 29-08-2011 of OERC
37	02/2012	06/JAN/2017	GRIDCO	Arising out of Suo-motu proceeding in case no 50/2010.
38	11/2012	30/JUL/2016	EMAMI PAPER MILLS	For relaxation of the provisions of clause 7 of OERC (RCPO) and its compliance
39	19/2012	03/MAY/2016	BRUNDABAN PARIDA	U/s 142 of the EA-2003.
40	21/2012	21/JUN/2016	PRADHAN INDUSTRIES LTD.	U/s 142 of the EA-2003.

41	28/2012	30/JUL/2016	NALCO	U/s 2(12) & Section 86(1) (e) of Electricity Act, 2003
42	31/2012	18/JUN/2016	OCL INDIA LIMITED	U/r 10 & 12 OERC(RCPO and compliance) reg 2010
43	32/2012	18/JUN/2016	CONFEDERATION OF C.P.P,ORISSA	U/r 10 OERC (RCPO and compliance) Reg 2010.
44	36/2012	18/JUN/2016	JSL STAINLESS LTD	U/s 2(12) & S.86(1) (e) of EA2003 and reg 10 of OERC(RCPO and compliance) reg 2010.
45	40/2012	18/JUN/2016	VISA STEEL LTD.	In the matter of waiver /relaxation of RPO
46	52/2012	08/JUL/2016	WESCO	Implimentation of Intra-State ABT.
47	63/2012	13/JUN/2016	WESCO	Allocation of power drawl to WESCO on the basis of approved energy (MU) instead of in proportion of approved SMD for FY 2012-13
48	66/2012	13/JUN/2016	NESCO	Non-implementation of direction of Commission and proper allocation of power on the basis of SMD
49	68/2012	30/JUL/2016	CESU	CESU CAPEX PROGRAMME FOR FY 2012-13 AND FY 2013-14
50	69/2012	29/JUL/2016	NESCO	To review of order in Case No.83 of 2011
51	77/2012	30/JUL/2016	CESU	An application under Condition 11 of its license conditions for approval of DPR of Phase-2 for infrastructure development and loss control activities starting from FY 2012-13 to 2013-14.
52	90/2012	27/JUL/2016	KARTIK CHANDRA DALAI	An application under Section 142 of the Electricity Act, 2003 for non-implementation of Ombudsman-II Order.
53	51/2013	19/DEC/2016	FLEXI INFRASTRUCTURE PRJTS PVT LTD.	U/s 142 of the Electricity Act -2003
54	59/2013	19/DEC/2016	BRAHMANANDA PANDA	U/s 142 of the Electricity Act-2003
55	61/2013	25/JUL/2016	WESCO	U/s 142 of the Electricity Act 2003
56	66/2013	08/JUL/2016	WESCO	Implementation of Intra state ABT
57	99/2013	19/DEC/2016	BALAJI	U/s 142 of Electricity Act,2003

			ENTERPRISES	
58	01/2014	28/JAN/2017	OMFED	U/s142 of Electricity Act, 2003
59	15/2014	28/JAN/2017	NEWTON COLLEGE OF +2 SCIENCE	U/s 142 of Electricity Act, 2003
60	19/2014	27/JAN/2017	SAROJ KUMAR ADHIKARI	U/s 142 of Electricity Act, 2003
61	24/2014	28/JUN/2016	ORISSA ENGINEERING WORKS	U/s 142 of Electricity Act, 2003
62	25/2014	28/JUN/2016	GURU NANAK ENGG. WORKS	U/s 142 of Electricity Act, 2003
63	31/2014	27/JAN/2017	BIJAYA KUMAR NAYAK	U/s 142 of Electricity Act, 2003
64	35/2014	17/JUN/2016	MAHESWAR MAHANTA	U/s 142 of Electricity Act, 2003
65	60/2014	25/JUL/2016	ORISSA FOOD PRODUCTS	U/s 142 of Electricity Act, 2003
66	76/2014	08/JUL/2016	RELIANCE MANAGEMENT DISCOMS	Implementation of Intra-state ABT (Phase-1) in real-time mode with commercial implication in the state of Odisha.
67	08/2015	18/JUL/2016	E. DILIP KUMAR PATRA	U/s 142 of Electricity Act, 2003
68	09/2015	20/JUL/2016	MAA TARA RICE INDUSTRIES PVT. LTD.	U/s 142 of Electricity Act, 2003
69	11/2015	25/JUL/2016	BHARATI FOOD PRODUCTS PVT. LTD.	U/s 142 of Electricity Act, 2003
70	13/2015	25/JUL/2016	PITAMBER PANIGRAHY	U/s 142 of Electricity Act, 2003
71	20/2015	20/JUN/2016	JAYANTA KUMAR BISWAL	An application under S.142 of the Electricity Act, 2003 for non-implementation of the order dated 13.01.2015 of the Appellate Authority-cum-Electrical Inspector (T&D), Anugul passed in Case No. 07/2014
72	31/2015	06/AUG/2016	BHUSAN POWER &	U/s 142 of the Electricity Act, 2003

			STEEL LTD.	
73	32/2015	03/MAY/2016	OPTCL	An application under Clause 3.10(1) & (2) of the Grid Code(OGC) Regulations,2006 seeking approval of the Commission to the Long Term Demand Forecast for the period 2014-15 to 2023-24 .
74	33/2015	24/MAY/2016	SOUTHCO	Seeking approval of implementation of Domestic Efficient Lighting program (DLEP) for LED bulbs
75	36/2015	30/JUL/2016	UTKAL ALUMINA INTERNATIONAL LIMITED	An application under S.86 (1) (e) of the EA, 2003 read with Regulation 2 (h) of the OERC (Renewable and Co-generation Purchase Obligation and its Compliance) Regulations, 2010 seeking clarification regarding obligated entity.
76	37/2015	18/JUN/2016	TOPHAN KUMAR MISHRA	U/s 142 of Electricity Act, 2003
77	39/2015	25/JUL/2016	PRADHAN INDUSTRIES LTD.	U/s 142 of the Electricity Act, 2003
78	40/2015	23/NOV/2016	KARTIK CHANDRA DALAI	U/s 142 of Electricity Act, 2003
79	44/2015	24/MAY/2016	WESCO	Implementation of Domestic Efficient Lighting program (DLEP) for LED bulbs in the state of ODISHA
80	45/2015	21/SEP/2016	DHARANI MAHILA MAHASANGHA	An application under S. 86 (1) (a), (b) & (e) and all other applicable provisions of the EA, 2003 for approval of Project specific tariff for generation of electricity from 25 kW sized bio mass based Gasifier for FY 2015-16.
81	46/2015	29/MAR/2017	SARAT CHANDRA PADHI	U/s 142 of Electricity Act, 2003
82	47/2015	27/JAN/2017	FAKIRUDDIN KHAN	U/s 142 of the Electricity Act, 2003
83	48/2015	18/JUN/2016	STEEL AUTHORITY OF INDIA	Review of the order dt.07.08.2015 passed by the Commission in Case No. 59 of 2014
84	49/2015	31/JAN/2017	RADHESYAM SAHU	U/s 142 of Electricity Act, 2003

85	50/2015	19/JUL/2016	OCL INDIA LIMITED	Review of the order dt.07.08.2015 passed by the Commission in Case No. 59 of 2014
86	51/2015	24/MAY/2016	NESCO	Implementation of Domestic Efficient Lighting program (DLEP) for LED bulbs in the state of ODISHA
87	61/2015	11/APR/2016	NESCO	For approval of Open Access Charges for FY 2016-17
88	62/2015	11/APR/2016	WESCO	For approval of Open Access Charges for FY 2016-17
89	63/2015	11/APR/2016	SOUTHCO	For approval of Open Access Charges for FY 2016-17
90	64/2015	11/APR/2016	CESU	For approval of Open Access Charges for FY 2016-17
91	65/2015	19/JUL/2016	NARAYAN SWAIN	U/s 142 of the Electricity Act, 2003
92	66/2015	24/MAY/2016	CESU	Implementation of Domestic Efficient Lighting program (DLEP) for LED bulbs in the state of ODISHA
93	03/2016	17/JUN/2016	RELIANCE INDUSTRIES LTD.	U/s 142 of the Electricity Act, 2003
94	05/2016	30/JUL/2016	OPTCL	Approval of revised Business Plan of OPTCL for FY 2014-15 to 2018-19
95	06/2016	05/JUL/2016	GRIDCO	For approval of revised Power Purchase Agreement
96	08/2016	19/JUL/2016	GRIDCO	For review of order dt. 29.12.2015 passed in Case No. 26 of 2015 of the commission.
97	09/2016	25/JUL/2016	ESSEL MINING & INDUSTRIES LTD.	U/s 142 of Electricity Act, 2003
98	10/2016	08/JUN/2016	EE,BED,CESU	For review of order dt. 12.11.2015 in Case No. 23 of 2015 of the Commission
99	12/2016	25/JUL/2016	KRISHNA ICE FACTORY	U/s 142 of Electricity Act, 2003
100	13/2016	19/JUL/2016	SURAJ PRODUCTS LTD.	U/s 142 of Electricity Act, 2003
101	14/2016	26/JUL/2016	NAVA BHARAT VENTURES LTD	Review of order dt.29.01.2016 in Case No. 43 of 2014
102	15/2016	26/JUL/2016	NAVA BHARAT	Review of order dt.29.01.2016 in Case No.

			VENTURES LTD	44 of 2014
103	16/2016	19/JUL/2016	GRIDCO	U/s 86 of Electricity Act, 2003
104	18/2016	25/JUL/2016	IDEA CELLULAR INFRA. SERVICES LTD	An application under S.142 of the Electricity Act, 2003.
105	19/2016	17/JUN/2016	GRIDCO	An application under Section S .94 (1) (f) of the EA, 2003 read with Reg. 70 (1) of the OERC (Conduct of Business) Regulations, 2004 along with O-47 R (1) (c) of the CPC for review of Order dated 27.01.2016 passed in Case No. 21 of 2015.
106	20/2016	20/AUG/2016	MSW BHUBANESWAR LTD	An application under S. 94 (1) (f) of the Electricity Act, 2003 for review of order dated 29.01.2016 passed in Case No. 82/2014 and 22/2015.
107	21/2016	30/JUL/2016	IND-BARATH ENERGY (UTKAL) LTD.	For determination of variable cost (EC) & revised PPA dt. 04.01.2011
108	22/2016	04/OCT/2016	SEVEN STAR STEELS LTD.	An application under S. 86 (1) (f) of the Electricity Act,2003 for adjudication of disputes between the petitioner and WESCO Utility for renewal of PPA for export of surplus power.
109	24/2016	30/JUL/2016	UTKAL ALUMINA INTERNATIONAL LIMITED	U/s 42 & 86(1)(f) of the Electricity Act, 2003
110	25/2016	25/JUL/2016	GRIDCO	U/s 86(1)(b) of the Electricity Act, 2003
111	27/2016	19/JUL/2016	SAI STONE CRUSHER	U/s. 142 of the Electricity Act, 2003
112	28/2016	07/DEC/2016	MAA DURGA STONE CURSHER	An application under S.142 of the EA, 2003 for non-compliance of Order dated 18.12.2015 of the GRF, Khurda passed in C.C. Case No.509 of 2015.
113	29/2016	09/DEC/2016	DUSMANTA KUMAR ROUT	An application under S.142 of the EA, 2003 for non-compliance of Order dated 27.02.2016 of the Ombudsman-II passed in

				C.R.Case No.Omb(II)N-04 of 2016.
114	30/2016	01/AUG/2016	OHPC	For review of order dt.23.03.2015 passed in Case No. 52 of 2015
115	31/2016	01/AUG/2016	GRIDCO	For review and amendment of tariff passed vide Case No. 54 of 2015 dt. 21.03.2016
116	32/2016	19/JUL/2016	ARUN STEEL INDUSTRIES(P) LTD	An application under Section Sec. 142 of the EA, 2003 for non-implementation of order dated 27.10.2014 passed by the Ombudsman-II in C.R. Case No. Omb(II) W-03 of 2014.
117	33/2016	07/DEC/2016	DR. ARAVINDA MAJUMDAR	An application under S.142 of the EA, 2003 for non-compliance of Order dated 31.03.2016 of the Ombudsman-I passed in C.R. Case No.OM(I)-87 of 2015.
118	34/2016	02/DEC/2016	SITA CEMENT LIMITED	An application under S. 142 of the EA, 2003 for non-compliance of Order dated 02.06.2016 of the Ombudsman-II passed in C.R.Case No. Om (II) W-16 of 2015
119	35/2016	01/DEC/2016	MAA DULADEI DRINKS	An application under S. 142 of the EA, 2003 for non-compliance of Order dated 31.05.2016 of the Ombudsman-I passed in C.R. Case No. OM (I)-10 of 2016.
120	36/2016	07/DEC/2016	SMT. LAXMIPRIYA MOHANTY	An application under S.142 of the EA, 2003 for non-compliance of Order dated 08.04.2015 of the Ombudsman-II passed in C.R. Case No.Omb(II)-07 of 2015.
121	39/2016	01/DEC/2016	IDEA CELLULAR INFRA. SERVICES LTD	An application under S. 142 of the EA, 2003 for non-compliance of Order dated 16.05.2016 of the Ombudsman-I passed in C.R. Case No.OM(I) -35 of 2016.
122	40/2016	01/DEC/2016	BAILOCHAN JENA	An application under S. 142 of the EA, 2003 for non-compliance of Order dated 25.06.2016 of the Ombudsman-II passed in C.R. Case No.Omb(II) N-29 of 2016.
123	42/2016	28/JAN/2017	JAGANNATH INSTITUTE OF	An application u/S. 142 of the EA, 2003 for non-compliance of order dated 21.06.2016

			ENGG. & TECH	of the Ombudsman-II passed in C.R.Case No. Om (II) (W)-08 of 2015.
124	47/2016	23/MAR/2017	OPTCL	An application as per Order dated 21.03.2016 of the Commission passed in Case No. 56 of 2015 for approval of CAPEX expenditure of Rs. 717.99 lacks for the SLDC for FY 2016-17 to 2017-18.
125	49/2016	16/FEB/2017	NAVA BHARAT VENTURES LTD	An application under S. 142 of the Electricity Act, 2003 for non-compliance of Order dated 28.05.2015 of the GRF, Dhenkanal passed in C.C. Case No.329 of 2014.
126	53/2016	01/DEC/2016	SONTHALIA RICE MILL	An application under S. 142 of the EA, 2003 for non-compliance of Order dated 08.06.2016 of the Commission passed in Case No.10 of 2016.
127	61/2016	23/MAR/2017	OHPC	Annual Revenue Requirement and Determination of generation Tariff for the year FY 2017-18
128	62/2016	23/MAR/2017	ORISSA POWER GENERATION CORPORATION	Annual Revenue Requirement and Determination of generation Tariff for the year FY 2017-18
129	63/2016	23/MAR/2017	GRIDCO	Aggregate Revenue Requirement and determination of Bulk Supply Price for the year FY 2017-18
130	64/2016	23/MAR/2017	OPTCL	Aggregate Revenue Requirement & Transmission Tariff for the Financial Year 2017-18
131	65/2016	23/MAR/2017	SLDC	Annual Revenue Requirement and Fees & Charges for SLDC Functions for the year FY 2017-18
132	66/2016	23/MAR/2017	NESCO	Aggregate Revenue Requirement and Determination of Retail Supply Tariff for the year FY 2017-18
133	67/2016	23/MAR/2017	WESCO	Aggregate Revenue Requirement and Determination of Retail Supply Tariff for the year FY 2017-18

134	68/2016	23/MAR/2017	SOUTHCO	Aggregate Revenue Requirement and Determination of Retail Supply Tariff for the year FY 2017-18
135	69/2016	23/MAR/2017	CESU	Aggregate Revenue Requirement and Determination of Retail Supply Tariff for the year FY 2017-18
136	70/2016	23/MAR/2017	NESCO	For approval of Open Access Charges for FY 2017-18
137	71/2016	23/MAR/2017	WESCO	For approval of Open Access Charges for FY 2017-18
138	72/2016	23/MAR/2017	SOUTHCO	For approval of Open Access Charges for FY 2017-18
139	73/2016	23/MAR/2017	CESU	For approval of Open Access Charges for FY 2017-18
140	10/2017	23/MAR/2017	OPTCL	An application Reg. 7 of the OERC (Terms and Conditions for Determination of Transmission Tariff) Reg., 2014 seeking approval of the shortfall amount of Rs.507.77 Cr. along with of its ARR and Transmission Tariff application for FY 2017-18.

4. Consumer Counsel

The Commission had engaged World Institute for Sustainable Energy (WISE), Pune as consumer counsel for analysis of tariff applications of licensees for FY 2017-18. The said consumer counsel submitted its reports & presented its views during the tariff hearing of the Commission. The Commission had proposed to engage nine NGOs/persons as consumer counsel to collect necessary feedback on consumer services from WESCO Utility, NESCO Utility, SOUTHCO Utility & CESU areas and participate in the tariff hearing, out of which six consumer counsels had submitted their reports and participated in the tariff hearing of the Commission.

5. Drafting and legal vetting

The Division drafted show cause notices, circulars etc. and assisted the Engineering Division in amendment of Regulations and also made legal vetting of public notices,.

6. Legal Information

The Division subscribed to law journals/reports and collected CDs such as Cuttack Law Times (CLT), Supreme Court Cases and Energy Law Reports to update information on latest judicial

precedents/legislative developments. It gathered relevant information on Acts, Rules, Regulations and Orders on legal and regulatory matters relating to electricity. Relevant Orders of High Courts, Supreme Court, Central Electricity Regulatory Commission (CERC), Appellate Tribunal for Electricity (ATE), Rules and Notifications of Govt. of Odisha/ Govt. of India have also been collected.

7. SECRETARIAT & ADMINISTRATIVE DIVISION

1. The Secretariat of the Commission looks after the day to day administration of the Commission. It is the pivot of the Commission's activities. Under the provisions of section 91(1), the Secretary is required to assist the Commission to carry out its functions. The OERC (Conduct of Business) Regulations, 2004 also defines the role of Secretary as the spokesman & representative of the Commission in all matters pertaining to its proceedings/hearings. Secretary of the Commission has also been declared as Head of Office by Govt. of Odisha. The Secretary is assisted by Deputy Director (Personnel & Administration) under the existing provisions.
2. The Secretariat of the Commission is the repository of the Commission's orders and records and carries out all correspondences on behalf of the Commission. The true copies/certified copies of orders, documents, and notification for and on behalf of the Commission are issued by the Secretariat. The Secretary being the custodian of the seal of the Commission acts as the ex-officio Secretary of the State Advisory Committee and is the first Appellate Authority under the RTI Act, 2005.
3. The Administrative Section is manned by Deputy Director (P&A) and a Personal Assistant who supports him in day to day Administration Works. This Section provides support to the Commission in various matters such as recruitment, appointment of executives and non-executives, housekeeping, procurement of materials, equipment maintenance, organizing functions/seminars/ workshop, printing of Tariff Order & other publications, Audit & Accounts, matters relating to FOR, FOIR, CEA, CBIP, Ministry of Power, SAFIR, CIGRE, Assembly & Parliament, caretaking, security, training, performance appraisal, materials management, maintenance etc.
4. Accounts Section under the Secretariat is manned by Accounts Officer who is assisted by Accountant-cum-Cashier and is responsible for preparation of bills, maintenance of accounts, reconciliation; audit (both financial & transactional) handling of cash and other accounts related work.

Officers and Staff

5. The Commission has 18 officers and 29 other staff of various categories (**Annexure-3**).

Organization Chart

6. The organization chart of Odisha Electricity Regulatory Commission (OERC) is shown at (**Annexure-4**).

7. Own Building of the Commission

Commission built its new building at Plot No.4, Chunokoli, Sailashree Vihar, Bhubaneswar-751 021 and the same was inaugurated on 27.04.2016 by the Hon'ble Chief Minister of Odisha Sri Naveen Patnaik. The office of the Commission was shifted from Bidyut Niyamak Bhawan, Unit-8, Bhubaneswar – 751 012 on 09.05.2016 to its new building and since then the Commission has been functioning in the said premises.

8. OERC Balance Sheet

The Balance Sheet as on 31st March, 2017 is placed at **Annexure-5**.

9. Income and Expenditure

The Income and Expenditure account for the year ended 31st March, 2017 is placed at **Annexure-6**.

10. Receipts and Payment Account

This account for the year ended 31st March, 2017 is presented in **Annexure-7**.

11. Participation in Training/ Seminar/ Workshop/ Conference

Participation in Training/Seminar/Workshop/Conference etc. is integral part of knowledge based organization like OERC. Officers and Staff have attended various training programmes, seminars, workshops & conferences in FY 2016-17 to enhance their professional skills and update their knowledge (**Annexure-8**).

8. CONSUMER INTEREST

Under the OER Act, 1995, the OERC is mandated to safeguard the interests of the state consumers and ensures that all consumers are provided with reliable, safe and uninterrupted power supply at reasonable rates. The Electricity Act, 2003 also provides wide ranging provisions to protect the interest of consumers. It gives electricity consumers a statutory right of minimum standards of supply and service. The Commission's approach to consumer protection has been proactive from the inception and in order to fulfill its legal obligation, the OERC has undertaken a number of steps to empower electricity consumers which are as follows:

• Issue of regulations, codes, licenses and practice directions

The Commission has issued a number of Regulations, Codes and Practice Directions in order to safeguard the consumers' interest.

- OERC (Licensees Standards of Performance) Regulations, 28th May 2004.
- OERC (Grievances Redressal Forum and Ombudsman) Regulations, 17th May 2004.
- OERC (Procedure for filing appeal before the Appellate Authority) Regulations, 28th May 2004.
- OERC (State Advisory Committee) Regulations, 28th May 2004.
- OERC (Conduct of Business) Regulations, 28th May 2004.

- OERC (Terms and Conditions for Open Access) Regulations, 21st June 2005.
- OERC (Determination of Open Access Charges) Regulations, 18th July 2006.
- Odisha Grid Code (OGC) Regulations, 14th June 2006.
- **Consumer Friendly Tariff**
 - Introduction of Multi Year Tariff(MYT) in 2003
 - Rationalization of Tariff towards cost base and voltage base
 - Reduction of cross-subsidy
 - Normative loss considers for tariff calculation
 - Introduction of Time of Day (ToD) tariff for all three phase consumers.
 - Introduction of spot billing and meter cards
 - Introduction of Voluntary Disclosure Scheme for unauthorized consumers
 - Appointment of Consumer Counsel in Tariff Proceedings.
 - Commission sets targets for loss reduction, franchisee appointment.
 - Consumer counsel engaged for analysis and presentation of Tariff applications.
 - Introduction of inter- and intra-state open access
- **Standards of Performance & Grievance Redressal**
 - Introduction of guaranteed overall and individual Standards of Performance
 - Performance Standards published annually
 - Vigorous monitoring of licensees' performance
 - Inspection by independent enquiry teams regarding the maintenance of transmission and distribution system.
 - SAC Monitoring Subcommittee on quality of supply, standards of performance & commercial loss reduction, constituted.
- **Alternate Dispute Resolution forum in OERC**
- **Creation of 12 Grievance Redressal Fora and 2 Ombudsmen to dispose of consumer complaints**
 - Regular monitoring of disposal of consumer grievances by GRFs/Ombudsmen & implementation of their orders by OERC
 - Inspection of GRF done by Commission's officers.
 - Proceedings conducted by Commission to penalise the Distribution licensees' for non-compliance of GRF/Ombudsman orders
- **Pro-active Consumer Education**
 - Direct consumer interface programs

- Print & audio-visual campaign in news dailies, Radio & TV on GRF & Ombudsman, safety and environmental awareness.
- Publication of FAQs, booklets & brochures
- Translation of regulations into local languages
- Networking of consumer groups empanelled with OERC
- Compilation of Regulations published in English
- **Training & Capacity Building**
 - Extensive training for DISCOMs staff by OERC on regulations/Electricity Act, 2003
 - Gramsat used to sensitize senior government functionaries on state power sector issues
 - State level workshops to sensitize representative PR institutions & ULBs on standards of performance & tariff process.
 - Training & workshops held for Presidents/ Members of GRF/Ombudsman
 - SAC representing cross-section of consumers in state constituted - Frequent Meetings held for constructive advice
 - State Co-ordination Forum formed by Govt. of Odisha - Chairperson & Members of OERC are Chairperson and Members of Forum
 - District Committees formed
 - State-wide Consumer Satisfaction Survey
 - State level workshop on consumer rights
- **Approval of Consumer Service Documents of DISCOMs and their license conditions**
 - Consumer Rights Statement
 - Complaint Handling Procedure
 - Code of Procedure on Payment of Bills

There is an existing Complaint Handling Procedure for disposal of consumer complaints. Aggrieved consumers can approach the Jr. Manager/ SDO/ Executive Engineer of DISCOMs and there is time bound schedule for disposal of their complaints at different levels. Each Division is required to have a Consumer Cell to deal with consumer complaints.

With the enactment of Electricity Act, 2003, a statutory provision was made for disposal of consumer complaints by a two-tier mechanism consisting of Grievance Redressal Fora and Ombudsmen.

9. GRF AND OMBUDSMAN

There are 12 GRFs and 02 Ombudsmen working in the State. Their location and address are given below:

Grievance Redressal Fora (GRFs): 12

1. The President, GRF, Dhenkanal, CESU, Near Fisheries Office, Kunjakant, Dhenkanal-759001.
2. The President, GRF, Cuttack, 3R-1, CESCO Colony, Badambadi, PO: Arundeo Nagar, Dist-Cuttack.
3. The President, GRF, Bhubaneswar, BCDD-I Campus, Power house, Bhubaneswar-8
4. The President, GRF, Khurda, CESU, Quarter No.3R/1, T.L.C. Colony, Khurda -752055.
5. The President, GRF, Paradeep, CESU, AT-Pitambarpur, PO-Bhutmundai, Via-Kujang, Dist-Jagatsinghpur.
6. The President, GRF, Jajpur, NESCO, T.T.S. Colony, Dhabalagiri, At- Sobra, Jajpur.
7. The President, GRF, Balasore, NESCO, Near Kali Mandir, Balasore-756001.
8. The President, GRF, Rourkela, WESCO, Office of the S.E, Rourkela Electrical Circle, Q-2, Rourkela Civil Township, Rourkela.
9. The President, GRF, Burla, WESCO, Qtr No. D-2, Near Power House Club in Burla Town, P.O.Burla, Dist-Sambalpur-768017.
10. The President, GRF, Bolangir, WESCO, O/o S.E. (Elect), Bolangir Electrical Circle, At/Po-Bolangir.
11. The President, GRF, Berhampur, Near De Paul School, Engineering School Road, Berhampur-760010.
12. The President, GRF, Jeypore, SOUTHCO, Power House Colony, Jeypore, Dist-Koraput.

Ombudsmen:02

- 1) Ombudsmen-I (CESU Zone), Qrs. No. 3R S/2, GRIDCO Colony, P.O.- Bhoinagar, Bhubaneswar- 751022.
 - 2) Ombudsmen-II (NESCO, WESCO & SOUTHCO Zone), Qrs. No. 3R S/2, GRIDCO Colony, P.O. - Bhoinagar, Bhubaneswar- 751022.
1. As per reports of GRFs to the OERC from April 2016 to March 2017, 7484 cases were registered, 6097 cases were disposed off and of them 4173 were implemented by the licensees.
 2. 470 cases came up for appeal before the two Ombudsmen, 287 were disposed off and 22 of them were implemented by the licensees at the end of March, 2017. The position is indicated as follows:

Annual data on disposal of consumer complaints by the GRFs/Ombudsman for FY 2016- 17

Name of licensee	Name of GRFs/ Ombudsman	No. of cases received / outstanding from previous year	No. of cases disposed	No. of cases pending	Cases passed in favour of consumer	No. of order implemented by the licensees (current & previous)
NESCO	Balasore	426	334	92	208	114
	Jajpur	280	180	100	153	22
SOUTHCO	Berhampur	558	455	103	429	510
	Jeypore	726	496	230	477	489
WESCO	Burla	197	164	33	151	192

	Rourkela	553	344	209	317	273
	Bolangir	483	421	62	395	554
CESU	Bhubaneswar	350	332	18	306	231
	Khurda	608	544	64	446	413
	Cuttack	1258	1246	12	181	143
	Dhenkanal	1297	1010	287	908	727
	Paradeep	748	571	177	539	205
	Total	7484	6097	1387	4508	4173
Ombudsman-I	CESU	209	148	61	124	10
Ombudsman-II	NESCO, WESCO SOUTHCO	261	139	122	122	12
	Total	470	287	183	246	22

3. The Consumer can also approach the Commission directly under Section 142 of the Electricity Act, 2003 if any provisions of the Act or any regulation is violated by the licensee. The Commission has set up its own Grievance Redressal Cell to monitor disposal of consumer complaints by the licensee. As on March 31st 2017, 62 consumer complaints were registered, 57 were disposed off. They were forwarded to the concerned GRFs/DISCOMs for necessary action and as per their reports, 6097 were disposed off.
4. To expedite disposal of consumer complaints forwarded by the Commission to DISCOMs and ensure implementation of orders of GRFs/Ombudsman, the Commission introduced a quarterly meeting for monitoring of consumer complaints by the DISCOMs/GRFs/Ombudsmen. Four such meetings were held on 20.04.2016, 19.08.2016, 14.12.2016 & 02.05.17 respectively. Quarterly data on disposal of consumer complaints by DISCOMs/implementation of orders of GRF/Ombudsmen were compiled and put up to the Commission and the same were also posted online on the Commission's Website. This helped to improve the disposal of consumer complaints by DISCOMs/GRFs/Ombudsmen considerably.
5. Teams of officers of OERC also visited GRF & Ombudsman offices and inspected their records and functioning as per statutory requirement. The reports were approved by the Commission and forwarded to the DISCOMs for compliance.

Publicity

6. In order to ensure transparency, all orders of the Commission on major issues are passed after conducting open public hearings. In 2016-17 the Commission carried out a number of public relation activities including press briefings during the annual tariff hearing, issue of press releases and preparation of promotional materials.
7. Consumer interface programmes were held at Bhubaneswar, Khurda, Cuttack, Paradeep, Dhenkanal, Jajpur, Balasore, Burla, Bolangir, Rourkela, Berhampur and Jeypore.

Publication

8. A Compendium of Orders on Annual Revenue Requirement and Bulk Supply & Retail Supply Tariff for FY 2016-17 was published by OERC and distributed among various stakeholders including consumer groups.
9. Copies of the FAQ (Frequently Asked Questions of Electricity Consumers) in English & Oriya were distributed among various consumer groups, for creating greater awareness of Rules, Regulations and Standards in the Sector.

10. SUMMARY OF MINUTES OF THE STATE ADVISORY COMMITTEE (SAC) MEETINGS OF OERC

The State Advisory Committee Meetings are usually held in every quarter of a year. During the year there were four meetings held in the Commission on 22.06.2016, 19.09.2016, 29.12.2016 and 20.02.2017.

• 10th MEETING OF SAC HELD ON 22.06.2016

The 10th meeting of the State Advisory Committee was held in the Hearing Hall of the Commission at 3:30 PM on 22.06.2016. Sri S.P. Nanda, Chairperson presided over the meeting. Member Sri A. K. Das and 14 SAC Members along with Sri Hemant Sharma, CMD, GRIDCO/OPTCL and heads of the Utilities attended the meeting. The Agenda points of discussion were as follows:

Item No.1. Action taken report on the last SAC meeting dtd.18.02.2016

In his opening remarks, Sri S.P. Nanda, Chairperson informed SAC members that the new building of the Commission was unique as it was the only office building in the state to have grid integrated rooftop solar power and rain water harvesting.

Item No.2. Way to achieve 17% RPO by the year 2022

Sri S.P. Mishra, Jt. Director, OERC made a presentation entitled on 'Way to achieve 17% RPO by the year 2022'. SAC Members deliberated on the above topics and gave their views. There was a deliberation on the current thrust from Gol on solar power generation and with a target of 100000 MW in the next three years, the Central Government has launched many schemes such as Solar Power Project on agricultural land, subsidy on Solar PV System through NABARD, support of the Agriculture Industry for solar installation etc., to increase power production to meet the huge deficit over the coming years.

CMD, OPTCL/GIRDCO Sri Hemant Sharma stated that GRIDCO had planned its RPO obligation in a trajectory as per OERC Regulation and as a result it had continued to perform in line with the targets from 2010 to 2014 onwards. In non-solar, its target was 100% and in solar, it had exceeded the target by producing 105 MW in 2015-16. However, the increase in target of 5.5% in the next five years set by OERC Regulation was going to be difficult. In non-solar sector, 2500 MW to 2600 MW would be required. This is a huge task given the present approach and financial means of GRIDCO. He further

added that the impact on consumers would also have to be taken into consideration as Renewable Energy is not cheap.

Sri Sharma stated that as an Obligated Entity, GRIDCO would not violate norms but has requested to the Commission to carry over of its target to the next year which has been granted and GRIDCO is consciously working towards that goal.

Item No.3. Any other item with permission of the Chair

The Chairperson concluded by saying that a policy decision should be taken to contain consumption and source it from RE. Non-solar targets should be substituted for solar since the latter is a much more advanced technology. There are many technical aspects of RE integration which have to be worked out by the CEA.

• **11th MEETING OF SAC HELD ON 19.09.2016**

The 11th meeting of the State Advisory Committee was held in the Hearing Hall of the Commission at 3:30 PM on 19.09.2016. Sri S.P. Nanda, Chairperson presided over the meeting. Member Sri A. K. Das and 12 SAC Members along with Sri Hemant Sharma, CMD, GRIDCO/OPTCL and heads of the Utilities attended the meeting. The Agenda points of discussion were as follows:

Item No.1: Confirmation of minutes of the 10th SAC meeting held on 22.6.2016

The minutes of the said meeting were confirmed.

Item No 2: Action taken report on the 10th SAC meeting held on 22.6.2016

GRIDCO and the 4 nos. of DISCOMs submitted their action taken reports which are furnished below:

- (a) GRIDCO submitted the tied-up RE capacity of the state (140 MW), percentage of sourcing of power purchase of Obligated Entities upto 2019-20, Installed Capacity requirement, RE capacity by 2022 (2741 MW).
- (b) CESU supplied details of solar rooftop PV capacity (0.86 MW covering 10 consumers) including revenue impact (expected to be Rs.90 crore by 2016-17). CESU also outlined the financial impact on consumers and DISCOMs (revenue loss of 2.5 per unit of Solar power or 140 lakh for Roof top solar units in Govt. buildings at Bhubaneswar and Cuttack). The Utility also outlined suggestions for minimizing the same.
- (c) NESCO intimated that only one rooftop solar has been commissioned (10 KW of power) at Bhadrak and another one for 75 KW power was under process at Balasore.
- (d) WESCO furnished details of solar generators connected to WESCO network (Installed Capacity of 56 MW by 8 nos. of Solar generators)

Item No.3: Status of Arrear collection and action taken by DISCOMs

Members of SAC expressed their concern over the status of arrear collection of DISCOMs. CMD, GRIDCO/OPTCL Sri Hemant Sharma stated that the matter of arrear realization was both diverse and

dynamic in nature. He welcomed constructive criticism by the SAC Members and said that there were some misinformation by the DISCOMs regarding quantum and analysis of arrears. Regarding integrity of data as on 31.3.2016, there was Rs.4500 crore arrear of which Rs.1100 crore belong to industry and the rest to domestic.

Sri Sharma suggested for increase in collection efficiency by giving option of choice of place and time of collection for the consumers. There is no increase in arrears of HT and EHT consumers. Govt. arrears have been addressed by a drive in addressing four major Departments in March and significant arrears have been collected. He added that the budgetary provision was inadequate and suggestion should be made to the Finance Department to make the electricity budget non-reappropriationable. He added that collection drives in NESCO and SOUTHCO had been very effective as village clusters who never paid before had paid up as well as HT and EHT industries. He concluded by admitting that issues of manpower and IT based solutions continued to exist.

Item No.4: Any other item with permission of the Chair

Sri S.P. Nanda, Chairperson opined that Odisha never had it so good. Other states had much higher arrears and still they got much higher subsidies from the State Govts. In spite of managing the sector on its own, Odisha power sector was much better administered than other states. He said that at times unpopular decisions had to be taken, salary and pension should have been performance linked and unless the sector was free from dependency, it would continue to be in crisis.

• **12th MEETING OF SAC HELD ON 29.12.2016**

The 12th meeting of the State Advisory Committee was held in the Hearing Hall of the Commission at 3:30 PM on 29.12.2016. Sri A. K. Das, Chairperson presided over the meeting. Member Sri S.K. Parhi and SAC Members along with Sri Hemant Sharma, CMD, GRIDCO/OPTCL and heads of the Utilities attended the meeting. The Agenda points of discussion were as follows:

Item No.1: Amendment of Supply Code

Sri Aswini Kumar Das, Chairperson (Interim) welcomed all into the first meeting in the conference hall. He introduced the topic i.e, draft Amendment of Supply Code in line with the tariff policy for convenience of customers. He said that the draft amendment of Supply Code was under process, which shall be circulated to all stakeholders with pre-publication before the same is finalized.

Members of SAC deliberated on various aspects of amendment of the Supply Code.

Sri Hemant Sharma, CMD, GRIDCO, OPTCL welcomed Sri S. K. Parhi, the new Member as well as the new members of the reconstituted SAC. He said the Supply Code was a huge topic to cover in just one session and noted that the Odisha Supply Code had been in existence for two decades and had never been challenged in the High Court which testified its strength. He pointed out that the copy circulated was a model code, and the draft code would be prepared based upon it latter.

Sri Sharma suggested that usage of smart and pre-paid meters should be encouraged. It should be decided as to how CD can be calculated or how frequently it can be changed under open access regime. As Tariff is based on CD, it cannot be changed too frequently. A balancing act needs to be done. On parallel supply to consumers, he pointed out that there were technical issues and the model Code did not differ too much from the original. The model Supply Code has triggered debate on classification of consumers whereas tariff deals with categorization. Cross-subsidy surcharge for all categories of consumers should be different. Some changes in clause 85-86 of the existing Code were necessary. Seasonal category of consumers should be included in the new regulation. The Planning Commission and Power Ministry called for reduction and rationalization of tariff categories and this should be taken up. More flexibility should be introduced in billing intervals for rural/BPL consumers, for e.g. quarterly billing. Govt. role should be spelt out. Multiple consumers in single premises need enabling clauses. Other issues such as multi-storied complexes, temporary construction, construction power, start-up power and emergency power to CGPs, all needed a relook. While the Code does not provide for Load Factor billing, it can be considered for specific category of consumers for a specific period of time, such as BPL consumers. He concluded that out of 64 lakh consumers, most were small (BPL) consumers and billing cost was too high. He said that there was a need to develop technology to read meters automatically. All HT meters were now under automatic meter reading.

Item No.2: No other agenda item was taken up.

The Chairperson opined that allowing Load Factor billing would have to be considered only in the context of the Electricity Act 2003.

• **13th MEETING OF SAC HELD ON 20.02.2017**

The 13th meeting of the State Advisory Committee (SAC) on Electricity Tariff Proposals of Utilities for FY 2017-18 was held in the Conference Hall of the OERC at 3:30 PM on 20.02.2017. Sri Upendra Nath Behera, Chairperson, OERC presided over the meeting. Members, Sri A. K. Das and Sri S.K. Parhi attended the meeting. The last meeting of the SAC dt. 29.12.2016 was on amendment of Supply Code. The SAC members and other stakeholders had given their views on the matter and the Commission had indicated that these would be examined and incorporated while preparing the draft Supply Code. Hence, no action taken report was required to be incorporated here.

Item No.1: Discussion on ARR & Tariff proposals for FY 2017-18 consequent to the tariff hearing made by the Commission.

Sri Upendra Nath Behera, Chairperson, introduced the topic and requested all SAC members to give their feedback to the Tariff proposals of utilities for FY 2017-18.

Most SAC members objected to the proposals of the utilities for a tariff hike in 2017-18. Prof. D. V. Ramana said that there should be clear focus on renewable energy, incentive for DSM and strong measures for loss reduction strategy. Sri Gyana Chandra Kar suggested that the Commission should look thoroughly into all aspects before considering any hike in tariff. Sri B.K. Mohapatra pointed out that though power reform had started 20 years back and we now still stand at the same place as in the beginning, as far as reduction of loss is concerned. Sri Bidyadhar Mohanty stated that the DISCOMs were engaging contract workers through various agencies. However, these agencies were not providing statutory entitlements such as bonus, leave, minimum wage, retrenchment benefit, P.F., ESI facility etc. to the workmen. He requested the Commission to consider the above issues so that labour discontentment could be prevented in future. Sri Rabindra Misra said that although Government of Odisha had invested more than Rs.5000 crores for the development of power sector, appreciable improvement in reduction of distribution loss was yet to be achieved. The Commission may also consider a suitable tariff for Power Intensive Industries having higher load factor since Odisha is a mineral rich State. He stated that some items such as projected capital cost of O&M, price of coal, generation tariff, maintenance charges, etc, were overestimated. He added that default amount was estimated at Rs.2000 crore approximately, which was a serious issue and should be reduced to bring down cost. Consumers need regular and quality power at a fair price and the DISCOMs are still not in position to provide these services. As such there is no scope for enhancement of tariff. Sri Gobardhan Pujari said that the Reform Act stipulated that the power sector must run on commercial principles including technology and competition. Smt. Saishree Pattnaik said that AT&C loss and distribution loss should be reduced, collection efficiency should be improved and tariff should not be enhanced. Sri Prabhakar Dora stated that consumers needed 24x7 service, voltage and quality for price but were disappointed when DISCOMs came with folded hands seeking price increase every year for their inefficiency. Smt. Minati Behera said that if we think of price, we must first ensure quality. Rural and BPL consumers should be billed, arrears of industrial consumers must be recovered and 100% metering must be done. She pointed out that arrears from the Super Cyclone are still pending and should be recovered through a special committee. Smt. Abanti Behera demanded quality in power supply and suggested that undeclared power cuts must be avoided. Sri Debashis Mohanty said the Government of Odisha is now promoting 'Make In Odisha' in the industrial sector and, therefore, cheaper and quality power would help industrialization. He added that theft and pilferage was the biggest component of commercial loss. Therefore, we must enforce laws under changed Electricity Act to bring theft of power to book. Sri Bimal Das submitted that OHPC had sought to up-value its assets, the impact of which is a rise of approximately 30 paise per unit. Sri Das opined that the DISCOMs have been found to be the weakest link in the value chain of cost of power in the

power sector. At present AT&C loss at the distribution level is roughly around 38% while the permissible limit in India should be around 15%.

Replying to the points raised by the SAC Members, Sri Hemant Sharma, CMD GRIDCO/OPTCL said that the Annual accounts of CESU were audited and ready but as the three DISCOMs had been taken over in mid-year, their accounts were in a state of dispute. Accounts for FY 2014-15 & 2015-16 are however, audited and ready but cannot be publicized as the matter was sub-judice. He informed that a huge amount had been invested in both distribution and transmission of Odisha's Power Sector. Similarly, under the R-APDRP and UE projects programmes, out of Rs.400 crore, 40% was the State Govt. contribution. Under Rs 1600 crore in IPDS, the State Govt. contribution was the same percentage. Rs.500 crore had been spent on transformer replacement and up-gradation in the last two years. Similarly, State Govt. had borne the cost of shifting lines/transformers from schools, wild life corridors etc. The State Govt. has constructed 500 33/11KV substations at a cost of Rs.4000 crore. In the last five years about Rs.2500 crore was given to OPTCL under CAPEX. As all this investment was in the form of assets, there was not much impact on tariff.

Item No.2: No other agenda item was taken up.

The Chairperson thanked the members for their inputs and said that the problems of the sector could be tackled in cooperation with the SAC. He said that though Odisha was a pioneer in power reform, a lot needs to be done still. He pointed out that generous capital grants by the Govt. had lightened the burden of the DISCOMs. He stressed the need for cost reduction and said that the successful pilot projects in Cuttack and Puri could be replicated throughout the State.

ANNEXURES

Annexure-1

RETAIL SUPPLY TARIFF EFFECTIVE FROM 1ST APRIL, 2017

SI · N o.	Category of Consumers	Voltage of Supply	Demand Charge (Rs./KW/ Month)/ (Rs./KVA/ Month)	Energy Charge (P/kWh)	Customer Service Charge (Rs./Month)	Monthly Minimum Fixed Charge for first KW or part (Rs.)	Monthly Fixed Charge for any additional KW or part (Rs.)	Rebate (P/kWh)/ DPS
	LT Category							
1	Domestic							
1. a	Kutir Jyoti <= 30 Units/month	LT	FIXED MONTHLY CHARGE-->			80		
1. b	Others							10
	(Consumption <= 50 units/month)	LT		250.0 0		20	20	
	(Consumption >50, <=200 units/month)	LT		430.0 0				
	(Consumption >200, <=400 units/month)	LT		530.0 0				
	Consumption >400 units/month)	LT		570.0 0				
2	General Purpose < 110 KVA							10
	Consumption <=100 units/month	LT		540.0 0		30	30	
	Consumption >100, <=300 units/month	LT		650.0 0				
	(Consumption >300 units/month)	LT		710.0 0				
3	Irrigation Pumping and Agriculture	LT		150.0 0		20	10	10
4	Allied Agricultural Activities	LT		160.0		20	10	10

				0				
5	Allied Agro-Industrial Activities	LT		420.0 0		80	50	DPS/Rebate
6	Public Lighting	LT		570.0 0		20	15	DPS/Rebate
7	L.T. Industrial (S) Supply <22 KVA	LT		570.0 0		80	35	10
8	L.T. Industrial (M) Supply >=22 KVA <110 KVA	LT		570.0 0		100	80	DPS/Rebate
9	Specified Public Purpose	LT		570.0 0		50	50	DPS/Rebate
10	Public Water Works and Sewerage Pumping <110 KVA	LT		570.0 0		50	50	10
11	Public Water Works and Sewerage Pumping >=110 KVA	LT	200	570.0 0	30			10
12	General Purpose >= 110 KVA	LT	200	570.0 0	30			DPS/Rebate
13	Large Industry	LT	200	570.0 0	30			DPS/Rebate
	HT Category							
14	Bulk Supply - Domestic	HT	20	440.0 0	250			10
15	Irrigation Pumping and Agriculture	HT	30	140.0 0	250			10
16	Allied Agricultural Activities	HT	30	150.0 0	250			10
17	Allied Agro-Industrial Activities	HT	50	410.0 0	250			DPS/Rebate
18	Specified Public Purpose	HT	250	As	250			DPS/Rebate
19	General Purpose >70 KVA < 110 KVA	HT	250	indicated in the	250			10

20	H.T Industrial (M) Supply	HT	150	notes below	250			DPS/Rebate
21	General Purpose >= 110 KVA	HT	250		250			DPS/Rebate
22	Public Water Works & Sewerage Pumping	HT	250		250			10
23	Large Industry	HT	250		250			DPS/Rebate
24	Power Intensive Industry	HT	250		250			DPS/Rebate
25	Mini Steel Plant	HT	250		250			DPS/Rebate
26	Railway Traction	HT	250		250			DPS/Rebate
27	Emergency Supply to CGP	HT	0	730.00	250			DPS/Rebate
28	Colony Consumption (Both SPP & Industrial)	HT	0	440.00	0			DPS/Rebate
EHT Category								
29	General Purpose	EHT	250	As indicated in the notes below	700			DPS/Rebate
30	Large Industry	EHT	250		700			DPS/Rebate
31	Railway Traction	EHT	250		700			DPS/Rebate
32	Heavy Industry	EHT	250		700			DPS/Rebate
33	Power Intensive Industry	EHT	250		700			DPS/Rebate
34	Mini Steel Plant	EHT	250		700			DPS/Rebate
35	Emergency Supply to CGP	EHT	0	720.00	700			DPS/Rebate

36	Colony Consumption	EHT	0	435.0 0	0		DPS/Rebate
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Note:

Slab rate of energy charges for HT & EHT (Paise/unit)

Load Factor (%)	HT	EHT
= < 60%	535	530
> 60%	425	420

(i) The reconnection charges w.e.f. 01.04.2015 shall continue unaltered

Category of Consumers	Rate Applicable
LT Single Phase Domestic Consumer	Rs.150/-
LT Single Phase other consumer	Rs.400/-
LT 3 Phase consumers	Rs.600/-
All HT & EHT consumers	Rs.3000/-

(ii) Energy Charges shall be 10% higher in case of temporary connection compared to the regular connection in respective categories.

(iii) The meter rent w.e.f. 01.04.2017 shall remain unaltered as follows:

Type of Meter	Monthly Meter Rent (Rs.)
1. Single phase electro- magnetic Kwh meter	20
2. Three phase electro- magnetic Kwh meter	40
3. Three phase electro- magnetic tri-vector meter	1000
4. Tri-vector meter for Railway Traction	1000
5. Single phase Static Kwh meter	40
6. Three Phase Static Kwh meter	150
7. Three phase Static Tri-vector meter	1000
8. Three phase Static Bi-vector meter	1000
9. LT Single phase AMR/AMI Compliant meter	50
10. LT Three phase AMR/AMI compliant meter	150

Note: Meter rent for meter supplied by DISCOMs shall be collected for a period of 60 months only.

Once it is collected for sixty months meter rent collection should stop.

(iv) A Reliability surcharge @ 10 paise per unit will continue for HT and EHT consumers availing power irrespective of nature of feeder. This surcharge @ 10 paise per unit shall be charged if reliability index

is more than 99% and above and voltage profile at consumer end remains within the stipulated limit.
(For details see the order)

- (v) Prospective small consumers requiring new LT single phase connection upto and including 5 kW load shall only pay a flat charge of Rs.1500/- as service connection charges towards new connection excluding security deposit as applicable as well as processing fee of Rs.25/-. The service connection charges include the cost of material and supervision charges.
- (vi) A "Tatkal Scheme" for new connection is applicable to LT Domestic, Agricultural and General Purpose consumers.
- (vii) In case of installation with static meter/meter with provision of recording demand, the recorded demand rounded to nearest 0.5 KW shall be considered as the contract demand requiring no verification irrespective of the agreement. Therefore, for the purpose of calculation of Monthly Minimum Fixed Charge (MMFC) for the connected load below 110 KVA, the above shall form the basis.
- (viii) The billing demand in respect of consumer with Contract Demand of less than 110 KVA should be the highest demand recorded in the meter during the Financial Year irrespective of the Connected Load, which shall require no verification.
- (ix) Three phase consumers with static meters are allowed to avail TOD rebate excluding Public Lighting and emergency supply to CGP @ 20 paise/unit for energy consumed during off peak hours. Off peak hours has been defined as **12 Midnight to 6 AM** of next day.
- (x) Hostels attached to the Schools recognised and run by SC/ST Dept., Govt. of Odisha shall get a rebate of Rs.2.40 paise per unit in energy charge under Specified Public Purpose category (LT / HT) which shall be over and above the normal rebate for which they are eligible.
- (xi) Swajala Dhara consumers under Public Water Works and Sewerage Pumping Installation category shall get special 10% rebate if electricity bills are paid within due date over and above normal rebate.
- (xii) During the statutory restriction imposed by the Fisheries Department, the Ice Factories located at a distance not more than 5 Km. towards the land from the sea shore of the restricted zone will pay demand charges based on the actual maximum demand recorded during the billing period.
- (xiii) Poultry Farms with attached feed units having connected load less than 20% of the total connected load of poultry farms should be treated as Allied Agricultural Activities instead of General Purpose category for tariff purpose. If the connected load of the attached feed unit exceeds 20% of the total connected load then the entire consumption by the poultry farm and feed processing unit taken together shall be charged with the tariff as applicable for General Purpose or the Industrial Purpose as the case may be.
- (xiv) The food processing unit attached with cold storage shall be charged at Agro-Industrial tariff if cold storage load is not less than 80% of the entire connected load. If the load of the food processing unit other than cold storage unit exceeds 20% of the connected load, then the entire consumption by the

cold storage and the food processing unit taken together shall be charged with the tariff as applicable for general purpose or the industrial purpose as the case may be.

- (xv) Drawal by the industries during off-peak hours upto 120% of Contract Demand without levy of any penalty has been allowed. "Off-peak hours" for the purpose of tariff is defined as from **12 Midnight to 6.00 A.M.** of the next day. The consumers who draw beyond their contract demand during hours other than the off-peak hours shall not be eligible for this benefit. If the drawal in the off peak hours exceeds 120% of the contract demand, overdrawal penalty shall be charged on the drawal over and above the 120% of contract demand (for details refer Tariff Order). When Statutory Load Regulation is imposed then restricted demand shall be treated as contract demand.
- (xvi) General purpose consumers with Contract Demand (CD) < 70 KVA shall be treated as LT consumers for tariff purposes irrespective of level of supply voltage. As per Regulation 76 (1) (c) of OERC Distribution (Conditions of Supply) Code, 2004 the supply for load above 5 KW upto and including 70 KVA shall be in 2-phase, 3-wires or 3-phase, 3 or 4 wires at 400 volts between phases.
- (xvii) Own Your Transformer – "OYT Scheme" is intended for the existing individual LT domestic, individual/Group General Purpose consumers who would like to avail single point supply by owning their distribution transformer. In such a case licensee would extend a special concession of 5% rebate on the total electricity bill (except electricity duty and meter rent) of the respective category apart from the normal rebate on the payment of the bill by the due date. If the payment is not made within due date no rebate, either normal or special is payable. The maintenance of the 'OYT' transformer shall be made by DISCOM utilities. For removal of doubt it is clarified that the "OYT Scheme" is not applicable to any existing or new HT/EHT consumer.
- (xviii) Power factor penalty shall be
- i) 0.5% for every 1% fall from 92% upto and including 70% plus
 - ii) 1% for every 1% fall below 70% upto and including 30% plus
 - iii) 2% for every 1% fall below 30%

The penalty shall be on the monthly demand charges and energy charges

There shall not be any power factor penalty for leading power factor. (Please see the detailed order for the category of consumers on whom power factor penalty shall be levied.)

- (xix) The power factor incentive shall be applicable to the consumers who pay power factor penalty in the following rate:

The rate of power factor incentive shall be 0.5% for every 1% rise above the PF of 97% up to and including 100% on the monthly demand charges and energy charges.

- (xx) The rural LT domestic consumers shall get 5 paise per unit rebate in addition to existing prompt payment rebate who draw their power through correct meter and pay the bill in time.

- (xxi) 1% rebate over and above normal rebate shall be allowed on the bill to the LT category of consumers over and above all the rebates who pay through digital means (cash less).
- (xxii) The Educational Institution (Specified Public Purpose) having attached hostel and / or residential colony who draw power through a single meter in HT shall be eligible to be billed 15% of their energy drawal in HT bulk supply domestic category.
- (xxiii) The printout of the record of the static meter relating to MD, PF, number and period of interruption shall be supplied to the consumer wherever possible with a payment of Rs.500/- by the consumer for monthly record.
- (xxiv) Tariff as approved shall be applicable in addition to other charges as approved in this Tariff order w.e.f. 01.04.2017. However, for the month of April, 2017 the pre-revised tariff shall be applicable if meter reading / billing date is on or before 15.04.2017. The revised tariff shall be applicable if meter reading/billing date is on 16.04.2017 or afterwards. The billing cycle as existing shall not be violated by the DISCOM utilities.

**PERFORMANCE OF ELECTRICITY DISTRIBUTION COMPANIES IN ODISHA DURING THE FY 2015-16
(AS REPORTED AND FURNISHED THROUGH AN AFFIDAVIT)**

ACHIEVEMENT ON OVERALL STANDARDS OF PERFORMANCE:

LICENSEES		CESU	NESCO Utility	WESCO Utility	SOUTHCO Utility
	Period	FY 15-16	FY 15-16	FY 15-16	FY 15-16
Achievement in % of the licensees in the following service area	Minimum % target fixed by the Commission				
Rectification of fuse-off call within 6 hrs. of receiving the complaint in urban areas	90	100.00	99.89	99.68	100.00
Rectification of fuse-off call within 24 hrs. of receiving the complaint in rural areas	90	100.00	99.77	99.60	100.00
Restoration of line break-down within 12 hrs. of receiving the complaint in urban areas	95	99.97	100.00	100.00	100.00
Restoration of line break-down within 24 hrs. of receiving the complaint in rural areas	95	100.00	99.42	98.97	100.00
Replacement of Distribution Transformer within 24 hrs. of receiving the complaint in urban areas	95	100.00	100.00	99.37	100.00
Replacement of Distribution Transformer within 48 hrs. of receiving the complaint in rural areas	95	99.95	99.43	98.48	100.00
Completing the work within 12 hrs. of the scheduled outage before 5 PM/6 PM	90	100.00	--	--	--
No. of hourly measurement in which the supply frequency went beyond $\pm 3\%$	--	--	--	--	--

No. of cases in which voltage at the point of commencement of supply exceeded 3% of the voltage limits fixed under I.E. Rules, 1956					
EHT		--	--	--	--
HT		--	--	--	--
LT		--	--	--	--
Rectification of Street light fault within 6 hrs. of receiving the complaint	90	--	--	90	100.00
No. of faulty bills prepared as a percentage of total no. of bills issued	0.1	0.10	0.22	0.1	0.1
No. of faulty/defective meters as a percentage of total no. of existing meters	5	--	21	5	16
Total no. of interruption each lasting more than 5 minutes faced by 1 KW connected load (SAIFI)		131	218	25	236
Total no. of interruption each lasting less than 5 minutes faced by 1 KW connected load (MAIFI)		59	42	24	158
Total duration of interruption in minutes each 1 KW connected load (SAIDI)		3907	2820	675	6514
No. of accident cases		14-15 15-16	14-15 15-16	14-15 15-16	14-15 15-16
Fatal Human		19 21	12 19	21 22	29 43
Fatal Animal		14 03	05 44	13 10	33 40
Non-fatal Human		14 10	07 16	15 08	17 16
Non-fatal Animal		06 0	05 03	0 0	02 0
Note:					

1. The information on Guaranteed Standards of Performance is available in the OERC website: www.orierc.org and in respective websites of the Distribution Licensees i.e. www.cesuodisha.com for CESU, www.nescoodisha.com for NESCO Utility, southcoodisha.com for SOUTHCO Utility and wescoodisha.com for WESCO Utility.

2. The aforesaid information are based on the data furnished by the Distribution Licensees submitted through affidavit and is not based on any independent audit carried out by the Commission.

Issued by OERC in Public interest.

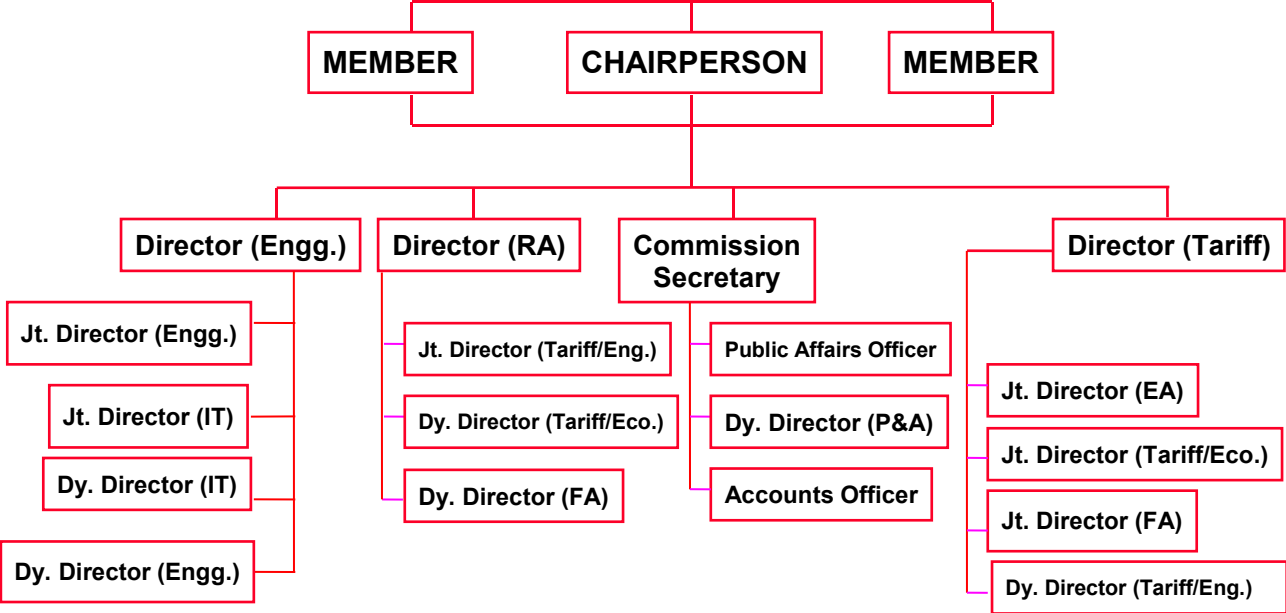
OFFICERS AND STAFF OF THE COMMISSION

The Commission being the oldest in the country has a committed strength of officers and staff. The persons in position as on 11.10.2017 are detailed in the table below:-

Sl No.	Designation	Persons in position
1	Commission Secretary	Sri K.L. Panda I/c
2	Director (Engg.)	Sri K.L. Panda
3	Director (Tariff)	Sri K.L. Panda I/c
4	Director (Regulatory Affairs)	Sri P. Pattnaik
5	Jt. Director (Economic Analyst)	Dr. M.S. Panigrahi
6	Jt. Director (IT)	Sri J.C. Mohanty
7	Jt. Director (T/Econ)	Dr. (Mrs.) A. Dash
8	Jt. Director (Tariff-Engg)	Sri A.K. Panda
9	Jt. Director (Financial Analyst)	Sri Ajoy Sahu
10	Jt. Director (Engg.)	Sri S.P. Mishra
11	Public Affairs Officer	Ms. Purabi Das
12	Dy. Director (IT)	Sri S.C. Biswal
13	Dy. Director (T/Engg)	Sri A.K. Jagadev
14	Dy. Director (Financial Analyst)	Sri C.K. Biswal
15	Dy. Director (Engg)	Sri A.K. Samantara
16	Dy. Director (P&A)/OSD	Sri S.K. Rout
17	Dy. Director (Tariff/Eco.)	Sri Archana Sahoo
18	Accounts Officer	Sri P.K. Tripathy
19	Personal Assistant	Smt. L.B. Pattnaik
20	Personal Assistant	Sri M. Moharana
21	Personal Assistant	Sri L.N. Padhi
22	Personal Assistant	Sri S.K. Sahoo
23	Personal Assistant	Sri P.K. Sahoo
24	Personal Assistant	Sri K.C. Tudu
25	Personal Assistant	Sri S.K. Das
26	Personal Assistant	Smt. S. Mishra
27	Accountant cum Cashier	Sri Jaypal Das

28	Jr. Caretaker-cum-Receptionist	Smt. Mamatarani Nanda
29	Driver	Sri R.C. Majhi
30	Driver	Sri Jalandhar Khuntia
31	Driver	Sri Jadunath Barik
32	Driver	Sri Ashok Ku. Digal
33	Driver	Sri Prakash Kumar Nayak
34	Driver	Sri Maheswar Nanda
35	Driver	Sri Sampad Kumar Parida
36	Peon	Sri Pitambar Behera
37	Peon	Sri Umesh Ch. Rout
38	Peon	Sri Sudarsan Behera
39	Peon	Sri P.K. Behera
40	Peon	Sri Bijoy Ku. Majhi
41	Peon	Sri R.C. Sahoo
42	Peon	Sri Abhimanyu Jena
43	Peon	Sri S.K. Mohapatra
44	Peon	Sri Rabindra Ku. Mekup
45	Peon	Sri Pradip Ku. Pradhan
46	Sweeper	Sri Ramesh Chandra Nayak
47	Sweeper	Sri Prafulla Kumar Nayak

ORGANISATION CHART OF OERC



BALANCE SHEET AS ON 31ST MARCH 2017

(In Rupees)

Liabilities	Figures for the current year	Figures for the previous year	Assets	Figures for the current year	Figures for the previous year
1	2	3	4	5	6
1. General Fund	21,95,61,975.68	16,76,24,210.87	1. Fixed Assets	41,14,578.60	8,50,76,601.84
Add: (Less) Excess of income over Expenditure (or expenditure over Income) during the year transferred from Income and Expenditure account.	4,07,98,364.33	5,10,62,238.30	2. Investment	16,98,82,797.00	13,96,51,878.00
2. Loans	Nil	Nil	3. Current Assets and Advances.	13,22,63,492.27	13,98,90,081.07
3. Current liabilities and provisions.	4,59,00,527.86	14,59,32,111.74	4. Grants-in-aid receivable from Government of Orissa.	Nil	Nil
			5. Grants from other sources	Nil	Nil
	30,62,60,867.87	36,46,18,560.91		30,62,60,867.87	36,46,18,560.91

Annexure-6**INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH 2017**

(In Rupees)

Expenditure	Figures for the current year	Figures for the previous year	Income	Figures for the current year	Figures for the previous year
1	2	3	4	5	6
1. Payment to and provisions towards salaries	5,72,73,828.00	4,65,79,105.00	1.Grants-in-aid from the Government of Orissa.	Nil	Nil
2. Office & Establishment & Repair & Maintenance Expenses	2,12,17,930.40	1,70,47,550.96	2. Grant from Other Sources.	Nil	Nil
3.Depreciation of Assets.	13,30,535.75	5,95,841.32	3. Receipts of the Commission	9,94,12,035.79	9,90,56,122.05
4. Other Expenditure.	1,18,811.00	3,15,041.00	4. Interest on		
5. Excess of Income over Expenditure	4,07,98,364.33	5,10,62,238.30	a) Cash at Bank	59,65,190.69	46,79,369.53
			b) Investment	1,53,62,243.00	1,18,64,285.00
			5. Excess of Expenditure over Income	NIL	NIL
	12,07,39,469.48	11,55,99,776.58		12,07,39,469.48	11,55,99,776.58

Annexure-7**RECEIPT AND PAYMENT ACCOUNT FOR THE YEAR ENDED 31ST MARCH 2017**

(In Rupees)

Receipts	Figures for the current year	Figures for the previous year	Payments	Figures for the current year	Figures for the previous year
1	2	3	4	5	6
1. To balance b/d.			1. By Payment to and provisions for employees	5,39,55,222.00	4,28,86,961.00
(i) Cash at Bank	9,11,14,223.52	12,03,36,832.95	2. By Office and Establishment Expenses	1,99,96,641.40	1,62,89,683.96
(ii) Cash in Hand	6,786.00	6,786.00	3. By Purchase of Assets	23,34,741.00	4,31,858.00
			4. By Advances		
2. To Grants-in-aid from the Government of Odisha	5,37,361.00	-	a) Advances to employees	23,49,606.00	37,09,717.00
			b) Contingent Advances		
			c) Advance Payment of Income Tax/TDS		
3. To Grant from Other Sources			5. Deposits Payments (Fixed Deposit in Bank)	16,98,82,797.00	13,96,51,878.00
			6. By Balance c/d.		
4. To Receipts of the Commission	11,93,47,487.69	10,85,82,497.53	(i) Cash at Bank	7,94,24,597.81	9,11,14,223.52
			(ii) Cash in Hand	6,786.00	6,786.00
5. Receipts from Investment	13,96,51,878.00	8,80,00,000.00	7. Other Expenditure	1,07,915.00	3,22,839.00
			8. Other Payments	2,25,99,430.00	2,25,12,170.00
	35,06,57,736.21	31,69,26,116.48		35,06,57,736.21	31,69,26,116.48

SEMINARS/WORKSHOPS/TRAINING PROGRAMMES ATTENDED BY
COMMISSIONERS/OFFICERS/OFFICIALS DURING THE FY 2016-17

Sl. No.	Name and Designation	Particulars of Programme	Duration	Venue	Programme Conducted/ Sponsored by
1	Sri S.P. Nanda, Chairperson	53 rd Meeting of Forum of Regulators (FOR)	7-9 April, 2016	Varanasi	FOR
2	Sri S.P. Nanda, Chairperson	10 th Meeting of Utility CEO Forum on DSM	28th April, 2016	New Delhi	PWC
3	Sri S.P. Nanda, Chairperson	55 th Meeting of Forum of Regulators (FOR)	22nd July, 2016	New Delhi	FOR
4	Sri A.K. Das, Member	5 Days Study Tour to Germany	July- Aug, 2016	Germany	MNRE
5	Sri S.P. Nanda, Chairperson	42 nd Governing Body Meeting of FOIR	16 th Sept. 2016	New Delhi	FOIR
6	Sri S.P. Nanda, Chairperson	56 th Meeting of Forum of Regulators (FOR)	30 th Sept. 2016	New Delhi	FOR
7	Sri A.K. Panda, Jt. Director (T/E)	10 th Capacity Building/Training	13-19 Oct. 2016	Kanpur & Singapore	FOR
8	Sri A.K. Jagadev, Dy. Dir (T/Engg)	PAT Round Table Meeting on Penalty and Adjudication	09.11.2016	Raipur	BEE
9	Sri A.K. Das, Chairperson	Annual Conference on Strategies for Ensuring 24x7 Power For All.	25 th Nov. 2016	New Delhi	CPU
10	Sri S.M. Pattnaik, Joint Director (FA)	38 th Cost Conference on "Navigating Global Directions Value of CMAs"	09-11 Dec, 2016	BBSR	ICA
11	Sri C.K. Biswal, Dy. Director (FA)	-do-	-do-	BBSR	ICA
12	Sri A.K. Das, Member	57 th Meeting of Forum of Regulators (FOR)	15 -17 th Dec, 2016	Raipur	CSERC

13	Sri U.N. Behera, Chairperson	FOIR Workshop/Research Conference	2 – 4 th Feb. 2017	Goa	FOIR
14	Sri A.K. Das, Member	-do-	-do-	-do-	-do-
15	Sri S.K. Parhi, Member	-do-	-do-	-do-	-do-
16	Sri U.N. Behera, Chairperson	58 th Meeting of Forum of Regulators (FOR)	27 th Feb. 2017	New Delhi	FOR
17	Sri K.L. Panda, Secretary	Workshop of Secretaries of Regulatory Commission	01 st Mar. 2017	New Delhi	FOR
