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ODISHA ELECTRICITY REGULATORY COMMISSION

ANNUAL REPORT

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2017-18



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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 Govt. 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 Vishist Seva Medal (VSM).

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), College of Air Warfare (Secunderabad) 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 Security 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 Commodore 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. Span of his administrative domain included infrastructure development, finance, security, vigilance, HR, medical, legal, welfare, organization, procurements 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 modeled 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.

6.1.2 Consumers' Status:

The DISCOM-wise status of category wise consumers and consumption at the end of March, 2018 is as shown in the table below:

ALL ODISHA CONSUMPTION FOR FY 2017-18 (MU)										
	CESU		NESCO		WESCO		SOUTHCO		Total	
	No of Consumers	Consumption in MU	No of Consumers	Consumption in MU	No of Consumers	Consumption in MU	No of Consumers	Consumption in MU	No of Consumers	Consumption in MU
Domestic	2003358	2447.65	1259956	1240.76	1111819	1653.15	1226559	1135.00	5601692	6476.57
Kutir Jyoti	35445	34.9	147423	48.592	191626	59.81	330589	140.58	705083	283.88
L.T. General (Com)	147693	721.58	72980	279.16	72891	342.77	70316	218.46	363880	1561.97
Agriculture	19128	63.17	22232	80.17	40935	214.17	18585	63.96	100880	421.47
AGRO	0	0	903	15.699	65	2.65	424	6.80	1392	25.15
ALLIED-AGRO	0	0	21	1.202	187	5.38	89	0.70	297	7.28
Street Lighting	1037	38.98	509	10.928	1070	27.88	1533	21.87	4149	99.66
PWW	4369	76.18	2562	28.186	3239	40.75	3673	33.55	13843	178.67
Small Industry	7714	41.81	4287	23.992	3907	23.28	2458	12.55	18366	101.64
Medium Industry	2447	106.27	977	40.021	1374	66.62	1674	58.22	6472	271.13
Specified Pub. Purpose(P.I.)	10781	49.26	7079	26.761	5791	39.61	9232	33.96	32883	149.59
G.P					3	0.08			3	0.08
Large Industry					0				0	0.00
TOTAL LT	2231972	3579.80	1518929	1795.47	1432907	2476.16	1665132	1725.65	6848940	9577.08
LT	2231972	3579.76	1518929	1795.47	1432907	2476.16	1665132	1725.76	6848940	9577.15
HT	2036	1198.58	459	441.72	819	1682.44	363	208.90	3677	3531.64
EHT	30	1003.12	38	1997.77	30	1219.19	14	399.45	112	4619.53
TOTAL	2234038	5781.46	1519426	4234.96	1433756	5377.79	1665509	2334.12	6852729	17728.33

- 6.1.3. The important orders passed by the Commission during 2017-18 relating to Tariff are as follows:
- (i) Approval of Annual Revenue Requirement & Generation Tariff of OHPC for FY 2018-19 (Case No. 74 of 2017);
 - (ii) Approval of Annual Revenue Requirement & Generation Tariff of OPGC for FY 2018-19 (Case No. 75 of 2017);
 - (iii) Approval of Annual Revenue Requirement & Bulk Supply Price of GRIDCO for FY 2018-19 (Case No. 76 of 2017);
 - (iv) Approval of Annual Revenue Requirement & Transmission Tariff of OPTCL for FY 2018-19 (Case No. 77 of 2017);
 - (v) Approval of ARR and Fees and charges of State Load Dispatch Centre for FY 2018-19 (Case No. 78 of 2017);
 - (vi) Approval of Annual Revenue Requirement & Retail Supply Tariff of four DISCOM Utilities for FY 2018-19 (Case Nos. 79, 80, 81 & 82 of 2017);

6.1.4 As per the Electricity Act, 2003, Section 61, 62, 65, 86, Tariff Policy, 2016 (para8.3.2), National Electricity Policy, 2005 (Para 5.5.2), the Annual Electricity Tariff for the state is determined by Odisha Electricity Regulatory Commission for generation, transmission supply and distribution utilities of the state taking into account their commercial viability & operational efficiency. The OERC balances the interest of all stake holders, while determining the tariff. The OERC, 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 Annual Revenue Requirement and Tariff Order for the FY 2018-19 on 22.03.18 which will be effective from 1st April, 2018.

6.1.5 Highlights of Tariff:-

- (i) The Retail Supply Tariff for 2018-19 remains unaltered.
- (ii) There is no change in meter rent.
- (iii) The new LT supply upto 5KW should not be denied by the DISCOM on the plea of non availability of transformer capacity.
- (iv) 1% rebate over and above normal rebate shall be allowed on the bill to the LT domestic category of consumers only over and above all the rebates who pay through digital means. This rebate shall be applicable on the current month bill if paid in full.
- (v) A Special rebate to the LT single phase consumers in addition to any other rebate he is otherwise eligible for shall be allowed at the end of the financial year (the bill for month of March) if he has paid the bill for all the 12 months of the financial year consistently without fail within due date during the relevant financial year. The amount of rebate shall be equal to the rebate of the month of March for timely payment of bill.
- (vi) The Commission has not accepted the proposed ARR of DISCOMS of Rs. 11,265.90. Cr. and approved an amount of Rs.9562.63 Cr.

- (vii) The Commission has approved the distribution loss of 21.32 % against the proposed distribution loss 26.32% by DISCOMs. Similarly, the Commission has approved AT&C loss of 22.11 % instead of 28.13 % proposed by DISCOMs.
- (viii) Cross subsidy has remained within $\pm 20\%$ for all categories(LT/HT/EHT)
- (ix) The average cost of supply for DISCOMs has increased from 488.26 Paise/unit in 2017-18 to 489.47 paise/unit in 2018-19.
- (x) No change in transmission charges of OPTCL for FY 2018-19. It remains same as 25 paise per unit as was in 2017-18.
- (xi) However, the approved transmission loss in OPTCL system has been approved @ 3.0% in FY 2018-19 against 3.5% of past year.
- (xii) The Commission approves full State share of power from the State IPPs for State consumption. Otherwise, power purchase cost would have been much higher on account of purchase of high cost power from NTPC stations.
- (xiii) The Avg. Bulk Supply Price of GRIDCO has been reduced from 277.21 paise/unit in FY 2017-18 to 276.66 paise /unit in FY 2018-19 against the GRIDCO's proposal of 353.26 paise/unit.
- (xiv) The average power purchase price of GRIDCO has increased from 246.42 Paise/unit in 2017-18 to 259.34 Paise/unit in 2018-19 against the Gridco's proposal of 284.77 Paise/unit.
- (xv) Out of average bulk supply price of 276.66 paise /unit of GRIDCO, CESU is required to pay 274.00 paise/unit, NESCO 301.00 paise/unit, WESCO 300.00 paise/unit and SOUTHCO 197.00 paise/unit. All the distribution companies to pay 25 paise/unit as Transmission cost to OPTCL.
- (xvi) Section 61(g) Electricity Act, 2003 read with para 8.3.2 of Tariff Policy, 2006 stipulates that the tariff should be within $\pm 20\%$ of the average cost of supply. Hence, average tariff of any consumer should not be more than 587.37 paise and less than 391.58 paise. With this mandate, the Commission has fixed 398.72 paise in case of LT (-18.54% of average cost of supply of 489.47 paise), 579.18 paise for HT(+18.33% of average cost of supply of 489.47 paise) and 576.88 paise for EHT (+17.86% of average cost of supply of 489.47 paise).
- (xvii) Surcharge, Wheeling Charge & Transmission Charge for Open access consumer 1MW & above w.e.f. 1st April, 2018
- (xviii) In exercise of the powers conferred under Sections 39,40 and 42 of the Electricity Act, 2003 read with the provisions of Chapter II of OERC (Determination of Open Access Charges) Regulations, 2006, the Odisha Electricity Regulatory Commission has passed Common order on 22.03.2018 in Case Nos.83,84,85 & 86 of 2017 with regard to approval of Open Access Charges (Transmission/wheeling Charges, Surcharge and Additional Surcharge applicable to open access customers for use of Intra-state transmission/ distribution system) which shall be effective from 1st April, 2018.
- (xix) The wheeling charge and surcharge as indicated in Table below shall be applicable w.e.f. 01.04.2018.

Surcharge, Wheeling Charge & Transmission Charge for Open access consumer 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	146.18	97.43	53.98	Rs.1500/MW/day or Rs.62.5/MWh
NESCO	128.63	63.56	76.75	Rs.1500/MW/day or Rs.62.5/MWh
WESCO	129.28	83.22	47.58	Rs.1500/MW/day or Rs.62.5/MWh
SOUTHCO	196.26	140.20	71.88	Rs.1500/MW/day or Rs.62.5/MWh

- a) The normative transmission loss at EHT (3.00%) and normative wheeling loss for HT level (8%) are applicable for the year 2018-19.
- b) Additional Surcharge: No additional surcharge over and above the Cross-Subsidy Surcharge needs to be given to the embedded licensee.
- c) No Cross-subsidy surcharge are payable by the consumers availing Renewable power.
- d) 20% wheeling charge is payable by the consumer drawing power from Renewable source excluding Co-generation & Bio mass power plant.
- e) These charges as notified for the FY 2018-19 will remain in force until further order.

The other features of the RST order for FY 2017-18 are highlighted in **Annexure-1**.

6.1.6 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 Commission has allowed asset addition under various schemes like State Govt. formulated Capex Programme, R-APDRP, System Improvement, DESI (GoO), Elephant Corridor, School Anganabadi, etc. as reflected in the following table:

Approved addition of Fixed Assets for FY 2017-18 (Rs. in Cr.)

Approved addition of Fixed Assets FY 2017-18	WESCO	NESCO	SOUTHCO	CESU
Land Building Furniture and Fixtures		0.62	0.04	
RGVY				
Biju Gram Jyoti				
RE/LI/MNP				
PMU				
APDRP				
RAPDRP (A)				26.95
RAPDRP (B)				34.44
System Improvement	7.00			
Deposit work	3.00	45.00	9.24	12.22
Metering & others				

Approved addition of Fixed Assets FY 2017-18	WESCO	NESCO	SOUTHCO	CESU
RGVY				
Biju Gram Jyoti				
Biju Saharanchal				
DESI (GoO)		43.99		15.37
Capex Plan (GoO)	30.00	158.28	120.80	19.46
Elephant Corridor			0.35	1.70
School Anganwadi			0.16	0.04
National Highway			1.19	
RLTP			4.83	
IPDS				
UG Cabling				10.57
ODSSP				
Cyclone Restoration				
Nabakalebar				0.06
Other works (including PMGY)	1.84		9.80	
Total	41.84	247.89	146.41	120.81

6.1.7 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:

Table - 1

Sl. No.	Name of Scheme	Scope	Project Cost (Rs. Cr.)	Funding	Project Period	Progress
1.	DeenDayalUpa dhyaya Gram JyotiYojana (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	2016-17 to 2017-18	Financial-Rs.528 Cr. Physical : U/E village : 252 nos. out of 259 villages completed & 07 in progress SAGY village: 10 nos. out of 35 completed, 17 in progress PE village: 333 nos. out of 2307 nos. proposed by DISCOMs completed Feeder separation: 07 nos. out of 77 nos. completed and 29 nos. 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.212 Cr. Physical : Work in 98 town out of 112 in progress New 33/11 Kv s/s 13nos out of 14 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.2735 Cr. Physical: 167 nos. out of 473 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 2014-15 to 2016-17	Financial-Rs.86 Cr. Physical: 05 nos. of feeders have been charged and work for the balance 14 nos. 11 Kv dedicated feeder are in progress.

Sl. No.	Name of Scheme	Scope	Project Cost (Rs. Cr.)	Funding	Project Period	Progress
5	Rajiv Gandhi GrameenVidya Yojana (RGGVY- II)	Identification of all un-electrified villages and hamlets across the State and electrification there of including BPL households. Subsumed within DDUGJY.	3550.45	Gol-90% GoO-10%	FY 2014-18	Financial-Rs.67.59 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.

B. Transmission Sector Schemes:

Table - 2

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.551 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.83 Cr Physical : work in progress
3	Disaster Resilient Power System (DRPS)	To increase the Grid efficiency, reliability and resilience making the network less vulnerable to all types of adverse weather conditions.	Rs.231.43 Cr. GoO: 100%	FY 2015-16 to FY 2017-18	Financial-Rs.87 Cr Physical : work in progress
4	Disaster Response Centre (DRC)	For quick restoration of power supply disrupted due to occurrence of disaster/calamities and restore the power supply within minimum time span	Rs.151.33 Cr. GoO: 100%	FY 2015-16 to FY 2017-18	Financial-Rs.36 Cr Physical : work in progress
5	Smart Grid	For adoption of Smart Grid technology for power system having components i.e GIS, SCADA, OPGW & AMI, in order to ensure uninterrupted power supply to the consumers.	Rs.249.70 Cr. GoO: 100%	FY 2015-16 to FY 2017-18	Financial-Rs.178 Cr AMIs-125 s/s SCADA-19 Grids, 35 RTUs and 2400 Km of OPGW completed
6	Odisha Power Sector Externally Aided Projects (JICA)	To strengthen transmission capacity of OPTCL. 17 nos. of GRID sub-stations and 590 Kms of line.	Rs.1146.68 Cr. GoO-100%	FY 2016-17 to FY 2019-20	Financial-Rs.42 Cr Physical- work in progress LOA for 03 nos. out of 08 nos of packages have been issued.
7	Bharat Net Phase-II	Commissioning of OFC GPON network to provide broad band connectivity to about 300 Gram	Rs.400 Cr.	FY 2018-19	Tendering activities is in

Sl. No.	Name of Scheme	Scope	Project Cost	Project Period	Progress
		Panchayats across the State.	Gol-100%		process. Likely to be awarded within a month.

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.

6.1.8 Energy Audit

Commission has been consistently pursuing the DISCOMs to establish a system for energy audit and has issued a protocol to carry out energy audit vide letter No.OERC-Eng-4/G-2010/130 Dtd 11.09.2017. As per the said protocol Energy Audit has to be carried out in four stages such as

- i) Energy Audit between 33 kV to 11 kV
- ii) Energy Audit from 11 kV feeder upto consumer
- iii) Energy Audit from DTR to the consumer
- iv) Energy Audit from 33 kV to 11 kV, DTR and upto the consumer

Without effective metering of the consumers, the utilities as of now are carrying out Energy Audit from 11 KV feeder to the consumer level based on the binder number instead of directly linking to the meter reading of the consumers. As submitted by the DISCOM Utilities, metering of the entire distribution system is expected to be completed during the ensuing year 2018-19.

6.1.9 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 2017-18 and the corresponding approved figures for FY 2018-19 are furnished in the table below:

Proposed and Approved Loss of DISCOM Utilities

	2016-17 (Actual)	2017-18 Approved	2017-18 Estimated	2018-19 Proposed	2018-19 (Approved)
CESU					
Distribution Loss	32.57%	23.00%	31.57%	28.79%	23.00%
Collection Efficiency	96.56%	99.00%	98.60%	99.00%	99.00%
AT & C Loss	34.89%	23.77%	32.53%	29.50%	23.77%
NESCO Utility					
Distribution Loss	23.50%	18.35%	21.00%	19.00%	18.35%

	2016-17 (Actual)	2017-18 Approved	2017-18 Estimated	2018-19 Proposed	2018-19 (Approved)
Collection Efficiency	95.72%	99.00%	97.00%	97.00%	99.00%
AT & C Loss	26.77%	19.17%	23.37%	21.43%	19.17%
WESCO Utility					
Distribution Loss	31.14%	19.60%	30.00%	27.92%	19.60%
Collection Efficiency	88.00%	99.00%	96.00%	97.00%	99.00%
AT & C Loss	39.41%	20.40%	32.80%	30.08%	20.40%
SOUTHCO Utility					
Distribution Loss	34.59%	25.50%	32.06%	29.37%	25.50%
Collection Efficiency	89.90%	99.00%	95.00%	96.00%	99.00%
AT & C Loss	41.20%	26.25%	35.46%	32.19%	26.25%
ODISHA					
Distribution Loss	30.39%	21.35%	28.83%	26.32%	21.35%
Collection Efficiency	92.91%	99.00%	96.97%	97.55%	99.00%
AT & C Loss	35.33%	22.14%	30.99%	28.13%	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.

6.1.10 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:-

Allocation of Wheeling and Retail Supply Cost

SI No.	Cost/Income Component	Ratio for consideration in Wheeling Business	Ratio for consideration in Retail Supply Business
	Cost of Power	0%	100%
	Transmission Charges	0%	100%
	SLDC Charges	0%	100%
	Total power purchase cost *		
	O&M		
	Employee Cost	60%	40%
	Repair & Maintenance Cost	90%	10%
	Administrative & General Expenses	40%	60%
	Bad & Doubtful Debt including Rebate	0%	100%
	Depreciation	90%	10%
	Interest on Loans		
	for Capital loan	90%	10%
	for Working capital	10%	90%
	Interest on Security Deposits	0%	100%
	Return on Equity	90%	10%
	Special Appropriation		
	Amortization of Regulator Assets	25%	75%
	True Up of Current year GAP 1/3rd	25%	75%
	Other, if any-Contingency Reserve	90%	10%

SI No.	Cost/Income Component	Ratio for consideration in Wheeling Business	Ratio for consideration in Retail Supply Business
	Grand Total		
	Miscellaneous Receipt		
	Non-Tariff Income - Wheeling	as per actual/assumption	as per actual/ assumption
	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 and CESU is approved at Rs.291.22 cr, Rs. 314.58 cr, Rs. 236.89 cr and Rs. 439.28 respectively. The wheeling charges (per unit) for WESCO, NESCO, SOUTHCO and for CESU has been accordingly determined at 47.58 paise/unit, 76.75 p/u, 71.88 p/u and 53.98 p/u.

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. 2397.29 cr, Rs.2082.33 cr, Rs.935.79 cr and Rs.2865.24 cr respectively for FY 2018-19.

6.1.11 Calculation of Average Cost of Supply

With approved revenue for the DISCOMs the average cost of supply for Odisha for FY 2018-19 is as follows:

Average Cost of Supply (per Unit) FY 2018-19

Expenditure	2018-19 (Approved)
Cost of Power Purchase	7190.34
Transmission Cost	649.75
SLDC Cost	4.07
Total Power Purchase, Transmission & SLDC Cost(A)	7844.16
Net Employee costs	1152.42
Repair & Maintenance	305.17
Special R & M for Smart Metering	
Administrative and General Expenses	183.30
Provision for Bad & Doubtful Debts	70.81
Depreciation	200.76
Interest Chargeable to Revenue including Interest on S.D	216.32
Sub-Total	2128.81
Less: Expenses capitalised	
Total Operation & Maintenance and Other Cost	2128.81
Return on equity	36.00
Total Distribution Cost (B)	2164.81
Amortisation of Regulatory Asset	
True up of Past Losses	
Contingency reserve	
Total Special Appropriation (C)	

Expenditure	2018-19 (Approved)
Total Cost (A+B+C)	10008.97
Approved Saleable Units (MU)	20448.39
Average Cost (paise per unit)	489.47

6.1.12 Cross-Subsidy

The cross-subsidy for FY 2018-19 has been calculated as shown in the following table:

Cross Subsidy Table for FY 2018-19

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
2014-15	EHT	461.07	552.64	91.57	19.86%	The tariff for HT and EHT category has been calculated based on average tariff.
	HT		553.15	92.08	19.97%	
	LT		369.63	-91.44	-19.83%	
15-16	EHT	488.81	572.03	83.22	17.03%	
	HT		575.59	86.78	17.75%	
	LT		396.53	-92.28	-18.88%	
2016-17	EHT	480.40	572.36	91.96	19.14%	
	HT		575.86	95.46	19.87%	
	LT		393.36	-87.04	-18.12%	
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%	
2018-19	EHT	489.47	576.88	87.41	17.86%	
	HT		579.18	89.71	18.33%	
	LT		398.72	-90.75	-18.54%	

6.1.13 OHPC Tariff

The station-wise ARR and average tariff calculated for the year 2018-19 is presented in the table below:

Station-wise ARR & Average Tariff Approved For 2018-19 (Rs. Cr.)

Components	RHEP	UKHEP	BHEP	HHEP	CHEP	Sub Total	UIHEP	Total FY2018-19
Saleable Design Energy (MU)	519.75	823.68	1171.17	677.16	485.10	3676.86	1942.38	5619.24
Return on Equity	2.775	0.925	10.361	10.566	2.310	26.937	47.922	74.859
Interest on Loan	1.743	0.110	0.129	0.662	0.184	2.828	0.157	2.986
Depreciation	3.825	3.267	8.505	7.352	3.584	26.534	31.009	57.542
O & M expenses	52.963	41.784	77.778	79.753	19.700	271.990	72.280	344.259
Interest on Working Capital	2.530	1.953	3.841	3.922	0.997	13.242	4.717	17.959

Components	RHEP	UKHEP	BHEP	HHEP	CHEP	Sub Total	UIHEP	Total FY2018-19
Total ARR	63.835	48.040	100.615	102.255	26.775	341.520	156.084	497.604
Average Tariff (P/U) for 2018-19	122.82	58.32	85.91	151.01	55.19	92.88	80.36	88.55
Average Tariff for the FY 2017-18 (P/U) (Approved)	118.20	55.74	82.50	144.72	53.28	89.16	77.50	85.13

On the basis of the ARR determined above, the Commission has approved station-wise capacity charge and energy charge rate for the FY 2018-19 as per the schedule given below:

Station-wise Capacity Charge and Energy Charge Rate for FY 2017-18 & 2018-19

Name of the Power Stations	Capacity Charge (Rs. crore)		Energy Charge Rate (P/U)	
	2017-18	2018-19	2017-18	2018-19
Rengali HEP	30.718	31.918	59.101	61.410
Upper Kolab HEP	22.958	24.020	27.872	29.162
Balimela HEP	48.313	50.307	41.252	42.955
Hirakud HEP	48.999	51.127	72.360	75.503
Chiplima HEP	12.922	13.387	26.638	27.597
Upper Indravati HEP	75.263	78.042	38.748	40.179
Machhkund HEP			55.068	75.34

The unit cost of energy from Machhakund is approved at 75.34 P/kWh for FY 2018-19 as against the average rate of 55.068 P/kWh for FY 2017-18.

6.1.14 OPGC Tariff

The two part generation tariff proposed by OPGC and approved by the Commission for FY 2018-19 are depicted in the table below:

Generation Tariff Proposal of OPGC & Approval of OERC for FY 2018-19

Sl. No.	Particulars	Unit	FY 2017-18		FY 2018-19	
			Proposed by OPGC	Approved by OERC	Proposed by OPGC	Approved by OERC
1	Net Generation	MU	2765.63	2861.50	2845.86	2912.82
2	Total Annual Fixed Cost	Rs Cr	226.80	207.52	243.73	215.79
3	Total Energy Charges	Rs Cr	503.05	354.08	401.92	382.10
4	Total Generation tariff (2+3)	Rs Cr	729.85	561.60	645.65	597.89
5	Capacity Charges (2/1)	Paise/kwh	82.00	72.52	85.64	74.08
6	Energy Charges (3/1)	Paise/kwh	181.90	123.74	141.23	131.18
7	Total Generation tariff excluding yearend charges tariff (5+6)	Paise/kwh	263.90	196.26	226.87	205.26

- The Commission has also provisionally approved for reimbursement of other charges (year-end charges) amounting to Rs.65.08 Cr. against OPGC proposal of Rs.63.77 crore.

6.15 Transmission Charges - OPTCL

- (i) 26400 MU of energy to be transmitted through OPTCL's network in FY 2018-19 as against 25545 MU in 2017-18.
- (ii) Total revenue requirement is approved at Rs. 659.95 crore for FY 2018-19 as against Rs. 639.40 crore for FY 2017-18.
- (iii) Transmission charge to use OPTCL's line and sub-stations has been kept constant at 25.00 p/u w.e.f. 01.04.2018.
- (iv) The Open Access Charges has been kept constant at Rs.6000 /MW/Day or Rs.250.00/MWh for long-term customers for FY 2018-19.
- (v) Short-term Open Access customers shall continue to pay Rs.1500 /MW/day or Rs.62.50/MWh w.e.f. 01.04.2018.
- (vi) The transmission loss has been approved as 3.00% for FY 2018-19.

6.16 BSP-GRIDCO

Demand Estimation:

- The SMD approved for the FY 2018-19 for DISCOMs is 4530 MVA.
- Out of the total estimated purchase of 26803.81 MU during FY 2018-19, GRIDCO sales 25990 MU to DISCOMs and 10 MU to CGPs. Balance energy of 803.81 MU goes towards Transmission Loss on DISCOMs' purchase.

Bulk Supply Price:

DISCOM-wise Bulk Supply Price as approved by the Commission for the FY 2018-19 is as follows:-

Name of the DISCOM Utilities	Bulk Supply Price approved for 2016-17 (P/U)	Bulk Supply Price approved for 2017-18 (P/U)	Bulk Supply Price approved for 2018-19 (P/U)
CESU	270.00	274.00	274.00
NESCO	297.00	301.00	301.00
WESCO	296.00	301.00	300.00
SOUTHCO	197.00	199.00	197.00
Total	273.14	277.21	276.66

Comparison of power purchase cost of GRIDCO approved by OERC 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	26030.65	262.47	6832.34
2018-19	26803.81	259.34	6951.38			

6.1.17 Renewable Purchase obligation

- (i) OERC in its order dtd. 30.09.2010 vide Case No. 59/2010 had issued a Regulation fixing the OERC (Renewable and Co-Gen purchase obligation and its compliance) Regulations, 2010 in the State of Odisha for the period from 2009-10 to 2015-16.
- (ii) Further, 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

- (iii) Further, the Commission has designated OREDA as State Agency for accreditation and recommending the renewable energy projects for registration and to undertake to function under these Regulators.

6.1.18 Tariff for Renewable Energy

- (i) 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.
- (ii) The summary of the generic tariff for renewable technologies for the second control period are as follows:
- (iii) The levellized generic tariff for various renewable sources of energy having "Single part tariff" is approved as in the following table:
- (iv) The levellized generic tariff for various renewable sources of energy having "Single part tariff

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

Particular	Levelling Total Tariff (for the 1 st year of current control period (Rs./kWh)	Benefit of Accelerated Depreciation (Rs./kWh)	Net Levelling 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 MW capacity	4.26	(0.48)	3.78	25
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	Next 13 yrs

(i) 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.

(ii) 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.

6.1.19 Recent Policy Initiatives by the Commission

The Commission now has started similar proceedings to finalise the generic tariff in respect of the following Renewable Energy (RE) power projects in the State of Odisha for the current control period 2017-18 to 2019-20:

The Commission passed order on Net metering/bi-directional metering & their connectivity with respect to solar PV projects dated 19.08.2016.

6.1.20 Power Purchase from Renewable Sources:

(i) Based on the proposal of GRIDCO and considering the availability, the Commission has approved purchase of 1102 MU from renewable energy sources (both solar and non-solar) for State use during the FY 2018-19. The source-wise power procurement from Renewable sources are indicated in the Table below:

Estimated Drawl from Renewable Energy Sources during FY 2018-19

Sl. No.	RE Sources	Energy approved for Procurement during FY 2018-19 (MU)	Percentage w.r.t. the total estimated drawl of DISCOMs (%)	RPO for FY 2018-19 as per Regulations (%)
A.	Non-Solar			
	Small Hydro	320.00	1.23	
	Bio-mass	80.00	0.31	
	Wind	22.00	0.08	
	Sub-Total (Non-Solar)	422.00	1.62	5.00
B.	Solar	680.00	2.62	4.50
C.	Total (Solar & Non-Solar)	1102.00	4.24	9.50

(*) Drawal of DISCOMs including emergency supply to CGPs has been estimated at 26000 MU.

- (a) The Commission has directed GRIDCO to explore all possibilities for purchase of additional quantum of renewable energy from some other sources to meet the RPO fixed by the Commission for the FY 2018-19.

6.1.21 SLDC to function as Independent System Operator (ISO)

- (i) 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.
- (ii) The Commission vide Order dtd. 22.03.2018 has approved the ARR of Rs. Rs.885.09 lakh for SLDC to be recovered through SOC & MOC during FY 2018-19.

6.1.22 Open Access in Transmission and Distribution: 2

- (iii) 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.
- (iv) 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.
- (v) The Commission has also issued OERC (Determination of Open Access Charges) Regulations, 2006 on 06.06.2006 and made effective from 18.07.2006.
- (vi) 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.

6.1.23 Open Access Charges

The wheeling charge and surcharge as indicated in Table below shall be applicable w.e.f. 01.04.2018.

Surcharge, Wheeling Charge & Transmission Charge for Open access consumer 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	146.18	97.43	53.98	Rs.1500/MW/day or Rs.62.5/MWh
NESCO	128.63	63.56	76.75	Rs.1500/MW/day or Rs.62.5/MWh
WESCO	129.28	83.22	47.58	Rs.1500/MW/day or

				Rs.62.5/MWh
SOUTHCO	196.26	140.20	71.88	Rs.1500/MW/day or Rs.62.5/MWh

- (i) The normative transmission loss at EHT (3.00%) and normative wheeling loss for HT level (8%) are applicable for the year 2018-19.
- (ii) Additional Surcharge: No additional surcharge over and above the Cross-Subsidy Surcharge needs to be given to the embedded licensee.
- (iii) No Cross-subsidy surcharge are payable by the consumers availing Renewable power.
- (iv) 20% wheeling charge is payable by the consumer drawing power from Renewable source excluding Co-generation & Bio mass power plant.

6.1.24 Present status of Open Access

- (i) All the STOA applications for inter-State /intra-State Open Access have been processed by SLDC.
- (ii) 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.
- (iii) Similarly, 130 nos. of intra-state STOA applications are allowed against the receipt of total 143 nos. of applications.
- (iv) In FY 2017-18, 1586 numbers of applications were received for STOA/MTOA in Inter-State Transmission system. 1373 numbers of applications have been processed for consent. The remaining 92 numbers have been rejected/withdrawn by applicants.
- (v) Similarly, 213 nos. of intra-state STOA applications are allowed against the receipt of total 213 nos. of applications.
- (vi) Generally the status of the applications is conveyed to the applicant by SLDC within the stipulated time as per the Regulations.
- (vii) 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 2017-18)

This Division provides vital technical input 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 term of Interruption Reliability Indices (known as SAIFI, SAIDI and MAIFI), for which the Distribution Licensees submit their monthly, quarterly and annual performance report once in every quarter and a consolidated annual report in every financial year. This division is also monitoring the installation of meters/smart meters, taking steps for setting up of common consumer call centre and implementation of common consumer indexing programme in Odisha DISCOMs. This Division also looks into general complaints of technical nature affecting large areas / industrial / group of consumers.

1. **Publication of Annual Guaranteed and Overall Performance report:** The Annual Guaranteed and Overall Performance report for the year 2016-17 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 and also in the OERC website. The Overall Standards of Performance of DISCOMs, as reported and furnished through affidavit for the year 2016-17 is placed as **ANNEXURE-I**.
2. **Monitoring R&M:** 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. As a result of this, the Commission, over the past several years, has been approving new transmission projects, augmentation of existing one and also allowing a significantly higher amount for R&M expenses for encouraging the Licensee to undertake regular & adequate maintenance. Timely maintenance of equipment can prolong the longevity of the equipments, reduce downtime and provide quality supply.
3. **Project Approval:** The Commission has directed OPTCL that DISCOMs are to be intimated well before the completion of any transmission project so that they should be prepared for receiving power from those and accordingly build their downstream distribution lines for evacuation of power. OPTCL should discuss with the DISCOMs before submission of transmission project for approval of OERC, so that the investment on s/s should be well justified and not be left idle due to non-completion of inter linking 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. 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 implantation schedule with specific time-line.

4. **Monitoring the Operation of the Transmission System:** The Commission directs that OPTCL shall 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 monitored on continuous basis along with loss reduction strategies.
5. **Monitoring Transmission System Planning:** OPTCL needs to ensure avoidance of under loading of lines and substations to minimize system losses. OPTCL must ensure thorough system studies so that no under loaded projects are taken up due to its economic un-viability. The proper system study should be conducted before proceeding to 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 implementation of Smart grids in the system gradually.
6. **Energy Audit:** Energy audit is the back bone of Distribution Business. That is why, Commission has been consistently pursuing the DISCOMs to establish a system for the above purpose. The main hurdles in conducting energy audit are due to non availability of meters. The DISCOMs have been directed to carry out Energy Audit on regular basis. The Commission has issued a protocol to carry out energy audit vide letter No.OERC-Eng-4/G-2010/130 Dtd 11.09.2017. As per the said protocol Energy Audit has to be carried out in four stages such as
 - (i) Energy Audit between 33 kV to 11 kV
 - (ii) Energy Audit from 11 kV feeder upto consumer
 - (iii) Energy Audit from DTR to the consumer
 - (iv) Energy Audit from 33 kV to 11 kV, DTR and upto the consumer

The DISCOMs are directed to continue with the present practice till implementation of 100% metering of consumers and DTRs of the system.

7. **Provision of Meters/Smart Meters:** As per the mandate in Electricity Act, 2003 in no case, the consumer should avail power supply without a correct meter. As reported, a large nos. of consumers in State are availing power supply either through defective meter or without any meter. Due to procurement of around 31 lakh meters by the licensees, the Commission has directed to install the meters in the following priority to achieve optimum results.
 - (a) New supply connection
 - (b) Consumer without meter
 - (c) Consumer with defective meter and
 - (d) Consumer with electro-mechanical meter.

The Power utilities throughout the country are moving towards smart metering/digitisation/automation etc. in order to stay competitive and extend quality service to their consumers. Further, the Smart metering solution in the DISCOM system would eliminate human interface and thus it is the need of the hour. It will also help in implementation of Demand Side Management (DSM) and remote connection/disconnection of power supply. The Commission therefore is keeping track of the developments in the field of smart metering. In this regard, M/s. Energy Efficiency Services Limited (EESL), engaged in deploying smart meters through Smart Meter National Programme, on the request of

Commission had made a presentation in presence of DISCOM officials on 19.12.2017. The Commission has also asked DISCOMs to furnish the names of two divisions each along with the numbers of consumers as on 31.03.2018, their AT & C loss for the FY 2017-18, detailed status on infrastructure availability on those divisions and views/suggestions (if any) for provision of smart meters on Pilot basis.

8. **Implementation of a common consumer indexing:** Consumer indexing is the basis of conducting Energy Audit in distribution business. With an aim to give an identity to each of the elements (and attributes) in a distribution system, the Commission, with the suggestion of a committee involving DISCOM officials, has issued a protocol for Consumer Indexing in the state vide its letter dated 14.03.2018. A properly planned Consumer Indexing practice is necessary for the state in order to tag all the elements of a distribution system to a network path. The objectives behind Consumer Indexing are as follows:

- (i) To determine the loss in the identified / whole distribution network as a part of energy audit in the DISCOMs
- (ii) To identify a consumer with his connected network such as DTR, 11 KV Feeder, 33 KV Feeder and so on; thus enabling the DISCOMS to focus on elements responsible for high AT&C loss.
- (iii) To identify a particular asset of a DISCOM with its predecessors and successors thus helping in getting holistic picture of the network and managing its assets.
- (iv) Maintenance and planning through asset history management
- (v) Inventory planning resulting in lower down time
- (vi) Power pilferage detection
- (vii) Promoting feeder or DTR profit centre concepts.

9. **Maintaining Consumer Profile by Distcoms:** Proper communication/awareness programmes should be conducted by the DISCOMs so that the consumer should know about its rights and duties. In any case, consumer's confidence on the system is required for a successful operation. DISCOMs are required to run on commercial principle. The fundamental principle of survival of DISCOM as a commercial entity is to have proper control over the behavior of its consumer, 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.

10. **Monitoring Quality of Power of Distcoms:** In order to extend quality & reliable power to the consumers of the state, distribution licensees are to comply the following recommendations:

- The DISCOMs should complete pole scheduling, consumer indexing, distribution network mapping linking with indexed consumer and 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 such consumers whose bills are not paid continuously (including Govt Connections).

- In order to have the capacity building of employees and officers as regards to enhancement of knowledge on evolving technologies and best practices being used by the other organizations, the licensees should impart training to its personnel to upgrade their skills to cope up with the changing needs.
- A special rebate of 1% 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).
- A Special rebate to the LT single phase consumers in addition to any other rebate, he is otherwise eligible for, shall be allowed at the end of the financial year (the bill for month of March), if he has paid the bill for all the 12 months of the financial year consistently without fail within due date during the relevant financial year. The amount of rebate shall be equal to the rebate of the month of March for timely payment of bill.
- The Standard of Performance should be verified by a third party on behalf of licensee itself.
- The 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.
- The DISCOMs should establish centralised customer care centres at urban and suburban areas also.
- The DISCOM should fulfil their obligation of energy conservation and DSM activities under OERC (DSM) Regulation, 2011.

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

11. The Engg. Division in addition to other works took up the following other activities during the FY 2017-18:

a) System Performance during FY 2016-17 of OPTCL

The annual system performance of OPTCL for the year 2016-17 was submitted by SLDC, OPTCL on 05.08.2017 and cross checked with the data furnished by Gridco. The consolidated statement of system performance was examined and approved along with the observations by OERC on 14.11.2017 for publication.

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

- i) The annual peak demand of OPTCL was 4105 MW during 2016-17 as compared to 4175 MW during 2015-16.
- ii) GRIDCO had drawn 17177.37 MU from the State sector and 8308.44 MU from the Central sector and 243.740 MU as net banking and IEX power import during 2016-17, whereas it had drawn 16988.04 MU, 7543.828 MU and 83.395 MU respectively from the State, Central sector and banking power during 2015-16.
- iii) During this period, OPTCL made addition of 42.868 Ckt km of 220 kV lines and 209.764 Ckt km of 132 kV lines. As on 01.04.2017, OPTCL is having total 1129.434 ckt. km of 400 KV lines, 5911.208 ckt. km of 220 KV lines and 6030.821 ckt km of 132 KV lines. There was capacity addition of 1 no. of 400kV S/S, 4 nos. of 132/33 KV S/S and 3 nos. of 132/33KV s/s. .
- iv) During 2016-17, about 29 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 2017-18 include:

- i. Long Term Demand Forecast and Transmission Plan for the State of Orissa.
- ii. CEA, CERC, FOR, Assembly Questions, Parliament Questions.
- iii. Amendment to Schedule of fees for licensees.
- iv. Monitoring of License Fees.
- v. Technical visit to licensee area, S/S and Electrical Installation.
- vi. Energy Conservation and DSM.
- vii. Issues related to roof top solar installation, Renewable Energy Certificate Mechanism
- viii. Investment approval of the licensees.
- ix. Inspection of GRF, Consumer Interface and Workshop in distribution licensees on various issues.
- x. Imparting of training to DISCOM officials at OERC.

B. Major Activities of IT section (FY 2017-18)

1. Procurement of IT Equipments and Services

- (a) OERC has decided to implement e-Office package of NIC for electronic filing and workflow automation in its office. NIC, Bhubaneswar has accepted the proposal of OERC routed through CMGI (Centre for Monitoring Government Initiatives) and will start implementation of the package as soon as their data centre becomes operational.
- (b) Four laserjet printers of HP make were procured for a total cost of Rs.80,798/-.
- (c) The contract for Leasing of 100 GB web space and hosting existing portal of OERC (www.oriarc.org) along with mission-critical applications on Oracle was renewed for a period of one year with the existing terms and conditions including the same 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, Consumer Indexing 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) Part-A & (ii) 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 & 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 in soft form from 12 GRFs across Odisha every week and 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 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 no. 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 'consumer 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

- System data transfer from Excel/ Other Formats to text
- Converting Data to Oracle format
- Exporting data from Local Server
- Importing & configuring Data in Web Server
- Regular backup of
 - 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, a sum of Rs.116 lac was transferred to GSCA fund of LIC on 31-03-2018. The balance of that fund at the end of the FY 2017-18 stood at Rs.7.35 crore. Similarly, as estimated by LIC towards leave encashment of employees of OERC, a sum of Rs.0.30 lac was transferred to GLES fund of LIC on 31-03-2018. The GLES fund, at the end of FY 2017-18, has a balance of Rs.1.02 crore.

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.

6.3.1 Case matters before the High Court/Supreme Court/ATE (During FY 2017-18)

During the year 2017-18 the Commission had received notices in 06 no. of cases from the Hon'ble High Court of Orissa, Cuttack. The Commission also received notices in 3 no. of appeals from the Appellate Tribunal for Electricity (ATE), New Delhi and received notices in 2 no. of Civil Appeals from the Hon'ble Supreme Court of India, & also 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). The Hon'ble Supreme Court of India vide their Judgment dated 24.11.2017 in Civil Appeal No.18500 of 2017 has confirmed the judgment dated 21.08.2017 of the Hon'ble ATE passed in Appeal No. 64/2015 (Revocation of Licenses of RIL Managed DISCOMs wherein the finding of the Commission of revocation of licenses is uphold.

The Commission had engaged Shri Rutwik Panda, Advocate- on- Record and Shri P. Ramesh Bhatt, Sr. Advocate, Sri Prasanto Sen, Advocate and Shri 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 Shri Biswajit Mohapatra, Advocate as its Legal Counsel to represent the cases on behalf of the Commission before the Hon'ble High Court of Odisha.

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

Consequent upon implementation of the Electricity Act, 2003, the Odisha Electricity Regulatory 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.	21st May, 2004	28th May, 2004
2.	OERC (Licensees Standards of Performance) Regulations, 2004.	21st May, 2004	28th May, 2004
3.	OERC (Grievances Redressal Forum and Ombudsman) Regulations, 2004.	5th April, 2004	17th May, 2004
4.	OERC (Terms and Conditions for Determination of Tariff) Regulations, 2004.	9th June, 2004	10th June, 2004
5.	OERC (Procedure for filing appeal before the Appellate Authority) Regulations, 2004.	21st May, 2004	28th May, 2004
6.	OERC (State Advisory Committee) Regulations, 2004.	21st May, 2004	28th May, 2004
7.	OERC (Conduct of Business) Regulations, 2004.	21st May, 2004	28th May, 2004

Sl No.	Name of the Regulations	Odisha Notification Date	Published in Orissa Gazette No. and Date
8.	OERC (Terms and Conditions for Open Access) Regulations, 2005.	6th June, 2005	21st June, 2005
9.	OERC (Determination of Open Access Charges) Regulations, 2006	6th June, 2006	18th July, 2006
10.	Odisha Grid Code Regulation, 2006	-	14th June, 2006
11.	OERC (Intra-State ABT) Regulations, 2007	17th Dec., 2007	14th Feb., 2008
12.	OERC(Fees and Charges of State Load Despatch Centre and other related matters) Regulation, 2010	6th June, 2010	18th November, 2010
13.	OERC (Renewable and Co-generation Purchase Obligation and its Compliance) Regulation, 2010	30th Sept., 2010	14th Dec., 2010
14.	OERC (Demand Side Management) Regulation, 2011	20th August, 2011	16th Nov., 2011
15	OERC (Terms and Conditions for Determination of Wheeling Tariff and Retail Supply Tariff) Regulations, 2014	14th Nov,2014	20th Dec,2014
16	OERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2013	8th Sept,2014	10th Oct,2014
17	OERC (Terms and Conditions for Determination of Transmission Tariff) Regulations, 2014	21st Oct,2014	4th Dec.2014
18	OERC (Procurement of Energy from Renewable Sources and its Compliance) Regulations, 2015	1st Aug. 2015	10th Sep., 2015
19	Odisha Grid Code (OGC) Regulations, 2015	11th Aug., 2015	21st Dec., 2015

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

6.3.2 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.

88 no. of Cases were registered and 79 no. of Cases were disposed of by the OERC during the period from **01.04.2017 to 31.03.2018** including 10 nos. of cases of Tariff matters for FY 2018-19.

Important Orders passed during 1st April, 2017 to 31st March, 2018

Sl. No.	CASE No.	Date of Final Order	PETITIONER	SUBJECT
1	09/2017	17/APR/2017	VEDANTA LIMITED	An application under S.86(1)(f) of the Electricity Act,2003
2	08/2017	17/APR/2017	VEDANTA LIMITED	An application under S.86(1)(f) of the Electricity Act,2003
3	77/2016	06/MAY/2017	SANJEEB KUMAR GIRI	An application petition under S.142 of the Electricity Act, 2003
4	165/2010	20/MAY/2017	OCL INDIA LIMITED	An application under S.94(1)(f) of the Electricity Act,2003 read with Regulation 70 of OERC (Conduct of Business) Regulations, 2004.
5	60/2013	23/MAY/2017	WESCO	An Application u/S. 142 of the Electricity Act, 2003

6	135/2010	23/MAY/2017	UTKAL FURNACE ASSOCIATION	Application under S. 94(f) of the Electricity Act, 2003 & Regulation 70 of OERC (Conduct of Business) Regulations, 2004.
7	57/2016	03/JUN/2017	SUBASH CHANDRA SAHOO	An application under S.142 of the Electricity Act, 2003
8	04/2017	07/JUN/2017	TATA STEEL LIMITED	An application under S. 86(1)(k) of the Electricity Act,2003 read with Regulation 112 of the OERC Distribution (Conditions of Supply) Code,2004
9	03/2017	08/JUN/2017	OCL INDIA LIMITED	An application under Regulation 9 (1) of the OERC (Conduct of Business) Regulations
10	06/2017	08/JUN/2017	ANANTA CH. BHUYAN	An application under S.142 of the Electricity Act, 2003
11	22/2017	09/JUN/2017	PARESH NATH SAHU	An application under S.142 of the Electricity Act, 2003
12	17/2017	19/JUN/2017	BAILOCHAN JENA	An application under S.142 of the Electricity Act, 2003
13	37/2016	27/JUN/2017	OPTCL	An application under Clause 3.10 (1) & (2) of the Odisha Grid Code (OGC) Regulations, 2015
14	07/2017	27/JUN/2017	DILLIP KUMAR SATPATHY	An application under S.142 of the Electricity Act, 2003
15	41/2015	28/JUN/2017	GRIDCO	An application for determination of rate along with the terms and conditions towards supply of surplus power by the CGPs and Co-generation plants as an interim arrangement to meet the State's requirement for FY 2015-16.
16	14/2017	28/JUN/2017	RABINARAYAN SWAIN	An application under S.142 of the Electricity Act, 2003
17	16/2017	28/JUN/2017	MOHAN LAL GARG	An application under S.142 of the Electricity Act, 2003
18	21/2017	01/JUL/2017	SITA CEMENT LIMITED	An application under S.142 of the Electricity Act, 2003
19	76/2016	12/JUL/2017	SMT. BINDU PATTANIK	An application petition under S.142 of the Electricity Act, 2003
20	02/2016	13/JUL/2017	NAVA BHARAT VENTURES LTD.-IPP	An application under S.86 of the Electricity Act, 2003
21	15/2010	31/JUL/2017	OPTCL	Application u/s 86(1) of the Electricity Act, 2003
22	127/2010	31/JUL/2017	OPTCL	Investment proposal for restoration of 400 KV Ib-Meramundali DC line in FY 2010-11 by own fund/availing loan from agencies.
23	19/2017	11/AUG/2017	CHILUKURI SATYA NARAYAN	An application under S.142 of the Electricity Act, 2003
24	56/2016	16/AUG/2017	IND-BARATH ENERGY (UTKAL) LTD.	An application under Section 94 (1) (f) of the Electricity Act, 2003 read with Regulation 70 (1) of the OERC (Conduct of Business) Regulations, 2004
25	52/2016	17/AUG/2017	JINDAL INDIA THERMAL POWER LTD	An application under S. 86 (1) (f) of the Electricity Act,2003
26	12/2017	22/AUG/2017	MANAS KUMAR MANGARAJ	An application under S.142 of the Electricity Act, 2003.
27	54/2016	22/AUG/2017	GRIDCO	An application for review petition under Section 94 (1) (f) of the Electricity Act, 2003.
28	05/2017	22/AUG/2017	ARATILATA PATTANAYAK	An application under S.142 of the Electricity Act, 2003.
29	24/2017	22/AUG/2017	BHUBANESWAR DIARY	An application under S.142 of the Electricity Act, 2003.
30	25/2017	22/AUG/2017	BHUBANESWAR DIARY	An application under S.142 of the Electricity Act, 2003.
31	90/2013	05/SEP/2017	NARBHERAM POWER & STEEL PVT LTD	An application u/S. 86 (1) (f) of the Electricity Act, 2003.
32	02/2017	14/SEP/2017	WESCO	An application for Review Petition under S.94(1)(f) of the Electricity Act,2003 read with Regulation 70(1) of the

				OERC (Conduct of Business) Regulations,2004 along with Or.47 R-1(c) & S.114 of the Civil Procedure Code,1908.
33	11/2016	14/SEP/2017	SHALIVAHAN GREEN ENERGY LTD	An application under Ss. 61,62(1)(a) and 86 of the Electricity Act, 2003 read with Regulation 10,51 & 73 of the OERC (Conduct of Business) Regulations, 2004.
34	60/2016	18/OCT/2017	OPTCL	An application under condition 10 of its License conditions for Investment proposal.
35	45/2017	20/OCT/2017	TATA STEEL LIMITED	An application under S. 86(1)(k) of the Electricity Act,2003 read with Regulation 112 of the OERC Distribution (Conditions of Supply) Code,2004.
36	35/2017	23/OCT/2017	ORISSA POWER GENERATION CORPORATION	An application under Sections 94 (1) (f) of the Electricity Act, 2003 read with Regulation 70 (1) of the OERC (Conduct of Business) Regulations, 2004.
37	32/2017	23/OCT/2017	OHPC	An application under Sections 94 (1) (f) of the Electricity Act, 2003 read with Regulation 70 (1) of the OERC (Conduct of Business) Regulations, 2004.
38	46/2017	23/OCT/2017	NAVA BHARAT VENTURES LTD	An application under S.142 of the Electricity Act, 2003.
39	23/2017	23/OCT/2017	WESCO	An application under Regulation 52(1) of the OERC (Conduct of Business) Regulations, 2004.
40	38/2015	31/OCT/2017	OPTCL	An application under condition 10 of its License conditions for approval of the projects being implemented under ODSSP Scheme.
41	11/2017	07/NOV/2017	ANANTA GOPAL STONE CRUSHER	An application under S.142 of the Electricity Act, 2003.
42	13/2017	07/NOV/2017	SURYAMANI SWAIN	An application under S.142 of the Electricity Act, 2003.
43	15/2017	07/NOV/2017	RAJA FLY ASH BRICKS	An application under S.142 of the Electricity Act, 2003.
44	34/2017	09/NOV/2017	GRIDCO	An application under Sections 94 (1) (f) & 62 (4) of the Electricity Act, 2003 read with Regulation 70 (1) of the OERC (Conduct of Business) Regulations, 2004.
45	51/2017	14/NOV/2017	AMNADATA FOODS PVT. LTD	An application under Section 142 of the Electricity Act, 2003.
46	47/2017	14/NOV/2017	ARATI PANDA	An application under S.142 of the Electricity Act, 2003.
47	46/2016	08/DEC/2017	OCL INDIA LIMITED	An application under Section 42 (2) (3) & (4) of the Electricity Act, 2003.
48	51/2016	16/DEC/2017	LINDE INDIA LIMITED	An application under Sub-section (2), (3) & (4) of Section 42 of the Electricity Act, 2003.
49	23/2016	05/JAN/2018	VEDANTA LIMITED	An application under Ss.9(2), 42 & 86 of the Electricity Act, 2003.
50	33/2017	18/JAN/2018	OPTCL	An application under Sections 94 (1) (f) of the Electricity Act, 2003.
51	07/2016	03/FEB/2018	REI POWER BAZAAR PRIVATE LIMITED	An application under Ss.66 & 86(1) (k) of the Electricity Act, 2003.
52	44/2016	05/FEB/2018	SHRI MAHAVIR FERRO ALLOYS PVT. LTD.	An application under S.86 (1) (f) of the Electricity Act, 2003.
53	45/2016	05/FEB/2018	VIVACITY RENEWABLE ENERGY(P) LTD.	An application under S.86 (1) (f) of the Electricity Act, 2003.

54	36/2017	05/FEB/2018	GRASIM INDUSTRIES LIMITED	An application under Sections 94 (1) (f) & 62 (4) of the Electricity Act, 2003 read with Regulation 70 (1) of the OERC (Conduct of Business) Regulations, 2004.
55	43/2015	05/FEB/2018	NESCO	An application under S.86 (1) (f) of the Electricity Act, 2003.
56	124/2010	05/FEB/2018	RATHI STEEL & POWER LTD.	Application under S.86 (1)(f) of the Electricity Act, 2003.
57	39/2017	07/FEB/2018	BIJAY KUMAR PRUSTY	An application under S.142 of the Electricity Act, 2003.
58	14/2015	26/FEB/2018	JINDAL STAINLESS LTD.	An application for under S.86(1) (f) & (k) of the Electricity Act, 2003.
59	38/2016	26/FEB/2018	VEDANTA LIMITED	An application under Ss.61, 62 & 86 of the Electricity Act, 2003.
60	12/2015	26/FEB/2018	JINDAL STAINLESS LTD.	An application under S.142 of the Electricity Act, 2003.
61	26/2014	26/FEB/2018	JINDAL THERMAL POWER LTD.	An application u/S. 61, 62 & 86 (1) (a) of the Electricity Act, 2003.
62	66/2017	19/MAR/2018	CESU	An application under Condition 11 of the License conditions for approval of Detailed Project Report (DPR).
63	57/2017	21/MAR/2018	SOUTHCO	An application under the Electricity Act, 2003 read with OERC (Terms and Conditions for Determination of Wheeling Tariff & Retail Supply Tariff) Regulations,2014, and also OERC (Conduct of Business) Regulations,2004 for approval of Business Plan for FY 2014-15 to FY 2018-19.
64	56/2017	21/MAR/2018	NESCO	
65	58/2016	21/MAR/2018	CESU	
66	53/2017	21/MAR/2018	WESCO	
67	77/2017	22/MAR/2018	OPTCL	
68	83/2017	22/MAR/2018	NESCO	
69	79/2017	22/MAR/2018	NESCO	
70	78/2017	22/MAR/2018	SLDC	
71	86/2017	22/MAR/2018	CESU	
72	82/2017	22/MAR/2018	CESU	
73	81/2017	22/MAR/2018	SOUTHCO	ARRs for FY 2018-19
74	80/2017	22/MAR/2018	WESCO	
75	84/2017	22/MAR/2018	WESCO	
76	74/2017	22/MAR/2018	OHPC	
77	76/2017	22/MAR/2018	GRIDCO	
78	85/2017	22/MAR/2018	SOUTHCO	
79	75/2017	22/MAR/2018	ORISSA POWER GENERATION CORPORATION	

6.3.3 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 2018-19. The said consumer counsel submitted its reports & presented its views during the tariff hearing of the Commission. The Commission had also engaged 9 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.

6.3.4. Drafting and legal vetting

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

6.3.5. Legal Information

The Division subscribed law journals/reports/Collected CDs such as 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.

7. SECRETARIAT & ADMINISTRATIVE DIVISION

- 7.1 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 been delegated with administration & financial powers exercised by Head of Office, by Govt. of Odisha. The Secretary is assisted by Deputy Director (Personnel & Administration) under the existing provisions.
- 7.2 The Commission Secretariat 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.
- 7.3 The Administration Section is manned by Deputy Director (P&A) and a Personal Assistant who supports him in day to day administration works. This Section provides vital support to the Commission in various matters such as recruitment, appointment of executives and non-executives, security, housekeeping, maintenance of building procurement of materials, equipment & their 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 etc.
- 7.4 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.

7.5 OFFICERS & STAFF

The Commission has 18 nos. of officers and 47 nos. of staff of various categories as on 18.08.2018 (**Annexure-A**).

7.6 ORGANISATION CHART

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

7.7 Assets acquisition:

Various assets required for smooth & enhanced functioning of OERC were acquired in FY 2017-18.

7.8 Participation in Training/ Seminar/ Workshop/ Conference

Participation in Training/ Seminar/ Workshop/ Conference etc. are integral part of knowledge based organization like OERC. Officers and Staff have attended various training programmes, seminars, workshops & conferences in the year 2017-18 to enhance their professional skills and update their knowledge (**Annexure**).

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:

8.1 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.

- (i) OERC (Licensees Standards of Performance) Regulations, 28th May 2004.
- (ii) OERC (Grievances Redressal Forum and Ombudsman) Regulations, 17th May 2004.
- (iii) OERC (Procedure for filing appeal before the Appellate Authority) Regulations, 28th May 2004.
- (iv) OERC (State Advisory Committee) Regulations, 28th May 2004.
- (v) OERC (Conduct of Business) Regulations, 28th May 2004.
- (vi) OERC (Terms and Conditions for Open Access) Regulations, 21st June 2005.
- (vii) OERC (Determination of Open Access Charges) Regulations, 18th July 2006.
- (viii) Odisha Grid Code (OGC) Regulations, 14th June 2006.

8.2 Consumer Friendly Tariff

- (i) Introduction of Multi Year Tariff(MYT) in 2003
- (ii) Rationalization of Tariff towards cost base and voltage base
- (iii) Reduction of cross-subsidy
- (iv) Normative loss considers for tariff calculation
- (v) Introduction of Time of Day (ToD) tariff for all three phase consumers.
- (vi) Introduction of spot billing and meter cards
- (vii) Introduction of Voluntary Disclosure Scheme for unauthorized consumers
- (viii) Appointment of Consumer Counsel in Tariff Proceedings.
- (ix) Commission sets targets for loss reduction, franchisee appointment.
- (x) Consumer counsel engaged for analysis and presentation of Tariff applications.
- (xi) Introduction of inter- and intra-state open access

8.3 Standards of Performance & Grievance Redressal

- (i) Introduction of guaranteed overall and individual Standards of Performance
- (ii) Performance Standards published annually
- (iii) Vigorous monitoring of licensees' performance
- (iv) Inspection by independent enquiry teams regarding the maintenance of transmission and distribution system.
- (v) SAC Monitoring Subcommittee on quality of supply, standards of performance & commercial loss reduction, constituted.

8.4 Alternate Dispute Resolution forum in OERC

8.5 Creation of 12 Grievance Redressal Fora and 2 Ombudsmen to dispose of consumer complaints

- (i) Regular monitoring of disposal of consumer grievances by GRFs/Ombudsmen & implementation of their orders by OERC
- (ii) Inspection of GRF done by Commission's officers.
- (iii) Proceedings conducted by Commission to penalise the Distribution licensees' for non-compliance of GRF/Ombudsman orders

8.5 Pro-active Consumer Education

- (i) Direct consumer interface programs
- (ii) Print & audio-visual campaign in news dailies, Radio & TV on GRF & Ombudsman, safety and environmental awareness.
- (iii) Publication of FAQs, booklets & brochures
- (iv) Translation of regulations into local languages
- (v) Networking of consumer groups empanelled with OERC
- (vi) Compilation of Regulations published in English

8.6 Training & Capacity Building

- (i) Extensive training for DISCOMs staff by OERC on regulations/Electricity Act, 2003
- (ii) Gramsat used to sensitize senior government functionaries on state power sector issues
- (iii) State level workshops to sensitize representative PR institutions & ULBs on standards of performance & tariff process.
- (iv) Training & workshops held for Presidents/ Members of GRF/Ombudsman
- (v) SAC representing cross-section of consumers in state constituted - Frequent Meetings held for constructive advice
- (vi) State Co-ordination Forum formed by Govt. of Odisha - Chairperson & Members of OERC are Chairperson and Members of Forum
- (vii) District Committees formed
- (viii) State-wide Consumer Satisfaction Survey
- (ix) State level workshop on consumer rights

8.7 Approval of Consumer Service Documents of DISCOMs and their license conditions

- (i) Consumer Rights Statement
- (ii) Complaint Handling Procedure
- (iii) 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.

8.8 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 Nos.

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

Ombudsmen:02 Nos.

- (a) Ombudsmen-I (CESU Zone), Qrs. No. 3R S/2, GRIDCO Colony, P.O.- Bhoinagar, Bhubaneswar- 751022.
- (b) Ombudsmen-II (NESCO, WESCO & SOUTHCO Zone), Qrs. No. 3R S/2, GRIDCO Colony, P.O. - Bhoinagar, Bhubaneswar- 751022.

As per reports of GRFs to the OERC from April 2017 to March 2018, 13754 cases were registered, 11848 cases were disposed off and of them 7605 were implemented by the licensees.

1010 cases came up for appeal before the two Ombudsmen, 500 were disposed off and 196 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 2017- 18

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	489	309	237	376	195
	Jajpur	498	373	125	314	74
SOUTHCO	Berhampur	907	792	115	788	887
	Jeypore	1094	778	316	751	698
WESCO	Burla	475	411	64	390	382
	Rourkela	835	824	84	770	569
	Bolangir	1017	797	220	749	980
CESU	Bhubaneswar	838	751	87	723	751
	Khurda	1501	1410	91	1290	1065
	Cuttack	2491	2479	12	1351	488
	Dhenkanal	1891	1688	203	1554	1159
	Paradeep	1522	1236	286	1188	357
	Total	13754	11848	1840	10244	7605
Ombudsman-I	CESU	433	288	145	258	139
Ombudsman-II	NESCO, WESCO SOUTHCO	577	212	365	384	57
	Total	1010	500	510	642	196

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 2018, 120 consumer complaints were registered, 38 were disposed off. They were forwarded to the concerned GRFs/DISCOMs for necessary action.

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 02.05.2017, 02.12.2017, 02.02.2018 & 02.05.18 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.

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.

8.9 Capacity Building

Sensitization of the Distcom officials on ARR and Tariff Order of the Commission for the FY 2017-18 was organized by OERC at its Conference Hall from 17th to 24th April, 2017. A two-day training of Ombudsman, Presidents and members of GRFs on Standards of Performance, Overview of Tariff and Regulations & Salient Feature of OER Act, 2003 was conducted in the Commission's Conference Hall by OERC on 6th & 7th of July, 2017. A Consultative Workshop on the Amended Distribution Supply Code and Standard Operating Procedure was organized by OERC with senior officials of four Distcoms from 4th to 8th of Oct, 2017. The Commission held a high level meeting of different concerned govt. departments at OERC and initiated a Community Participation Scheme for Rural Power Distribution in State on 18th May, 2017. It was agreed that Gram Panchayat level Federations of Women Self Help Groups (WSHGs) would take up the task of Metering, Billing and Collection (MBC) in 16 selected electrical subdivisions of four distcoms in line with the pilot project at Nayagarh district under CESU.

8.10 Publicity

In order to ensure transparency, all orders of the Commission on major issues are passed after conducting open public hearings. In 2017-18 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. Consumer interface programmes were held at Bhubaneswar, Khurda, Cuttack, Paradeep, Dhenkanal, Jajpur, Balasore, Burla, Bolangir, Rourkela, Berhampur and Jeypore.

8.11 Publication

A Compendium of Orders on Annual Revenue Requirement and Bulk Supply & Retail Supply Tariff for FY 2018-19 was published by OERC and distributed among various stakeholders including consumer groups. 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.

8.12 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 31.05.2017, 30.08.2017, 28.11.2017, 20.02.2018 and 30.05.2018.

(i) MINUTES OF THE 14th MEETING OF SAC OF OERC HELD ON 31.05.2017

The 14th meeting of the State Advisory Committee (SAC) was held in the Conference Hall of the OERC at 3:00PM on 31.05.2017. Sri Upendra Nath Behera, Chairperson, OERC presided over the meeting. Members, Sri A. K. Das and Sri S.K. Parhi, SAC Members and heads of the Utilities attended the meeting.

The discussion focussed on the following agenda points.

1. Best Practices
2. Service Delivery
3. GRF & Ombudsman
4. Metering, Billing & Collection

Summary of the proceedings:

Sri Upendra Nath Behera, Chairperson, gave a brief introduction on the agenda items. He informed members that the current meeting would focus on the on improvement of functioning of DISCOMs. He also informed that the Commission had an interactive meeting with the GRFs & Ombudsmen and had decided to take up comprehensive training for them. He also informed that the Commission had recently reviewed the performance of DISCOMs and found only a marginal improvement in all parameters. He informed that the Forum of Regulators had conducted a study on Best Practices and the report had been circulated to all DISCOMs by the Commission. The Chairperson informed that Consumer Indexing would be taken up on feeder basis. That will help in energy accounting and auditing. A Committee consisting of representatives of the four DISCOMs headed by SAC Member Prof. A.K. Tripathy has been constituted to deliberate on feeder based indexing and submit its recommendation to the Commission. SAC members gave their inputs. The Chairperson concluded the discussion by saying that the discussions on service delivery had been very fruitful and OERC would come up with service delivery standards. He requested Prof. Ramana to prepare a note on loss based tariff proposed by him and employee incentive scheme to be followed by the DISCOMs. The proposal for amendment of Supply Code is under consideration. He assured that functioning of GRF and Ombudsman would be independent and, if necessary appropriate amendments would be made to the Regulations. As per suggestion of some members he asked the DISCOMs to publish name and address of Co-opted members in their official diaries. He agreed to the necessity of consumer education on rights and duties. The Chairperson reiterated that there should be interaction between GRF and Circle Authority once a month and with the CEO/COO once a quarter. Regarding the Energy Police System, he informed the SAC that it had been discontinued. The local police stations having jurisdiction shall handle the cases. The Chairperson mooted the use of mobile courts for expeditious disposal of such cases. He also instructed that in the bill format, CD, MD and penalty should be shown separately from the arrears. He asked the DISCOMs to give due attention to HR issues. He informed that pre paid meter system is not working in govt. departments due to lack of allotment for topups. He stressed that proper amenities must be given to all

GRFs and Ombudsmen. He also instructed that adequate publicity be given to rate charts for new connections. Receipts of complaints at the Customer Care Centres should be duly acknowledged. Implementation of ongoing schemes should be expeditious. Provisional billing should be closely monitored.

(ii) MINUTES OF THE 17th MEETING OF SAC OF OERC HELD ON 20.02.2018

The 17th meeting of the State Advisory Committee (SAC) was held in the Conference Hall of the OERC at 10:30 AM on 20.02.2018. Shri Upendra Nath Behera, Chairperson, OERC presided over the meeting. Member Shri A. K. Das, Member Shri S.K. Parhi, SAC Members along with senior officials of Govt. of Odisha, GRIDCO/OPTCL and heads of the Utilities attended the meeting.

Shri U.N. Behera, Chairperson, OERC, welcomed everyone present in the 17th meeting of the SAC. He said that the last meeting of the SAC was on the Supply Code and on request of the SAC members; the agenda of the last SAC meeting has been continued in this meeting along with the discussion on the ARR & Tariff proposals for FY 2018-19. The Action Taken Report of the 16th SAC meeting was circulated among the SAC members and it was accepted. The SAC members submitted their observations and suggestions on the draft OERC Distribution (Conditions of Supply) Code.

The Chairperson opined that a committee be formed to finalise the formats. Format should be both in English and Odia and will be placed in the website for information of all concerned. The Chairperson asked DISCOMs to take immediate steps for collection of mobile numbers from the consumers. The benefit of registration of mobile number with DISCOMs should be circulated among the consumer through PA system, circulation of leaflets etc. Simultaneously, the meter readers may be asked to collect the mobile numbers of the consumers during monthly/bimonthly meter readings and also make the consumers to understand the benefit of getting correct information at the earliest possible time with the help of the mobile numbers. The Chairperson was hopeful that SMS service will solve major issues. Further, all sections and sub-division offices should have computerized collection centres. In remote areas one collection agent should be available at Section office on the specific dates of the month for convenience of the consumers. The Chairperson suggested for standardization of new connection charges in cases of LT consumers having CD upto 5 KW. Since business promotion and network expansion is the responsibility of the licensee, the licensee should not ask any LT consumer for erection/upgradation of substations for availing initial power supply. Therefore, the remunerative method of calculation provided in the supply code may be simplified for convenience of all the stakeholders. Addition of new consumers under flagship programme of "Electricity for all" and "24x7 Power Supply" and huge equipments and material funded through central and state government grants need to be coordinated and integrated. Member Shri A.K. Das emphasised on extension of power supply to all the households without any system improvement cost, since lot of investment has been made under IPDS, APDRP and other Govt. schemes for augmentation of distribution infrastructure. As Govt. of Odisha has allowed sufficient transformers to DISCOMs, these should be utilised to meet the consumer demands and consumers should not be burdened with expenses for new transformers till the existing stock is exhausted. This should be informed to all DISCOMs. The Chairperson suggested that since the technology will take some more time to stabilise, we may now go for smart metering in one or two

selective feeders in each DISCOM and the rest can be replaced with normal meters. The Chairperson thanked all participants for their valuable views and comments.

(iii) MINUTES OF THE 15th MEETING OF SAC OF OERC HELD ON 30.08.2017

The meeting was chaired by Sri U.N. Behera, Chairperson, OERC in presence of Sri A.K. Das, Member and Sri S.K. Parhi, Member. CEO, CESU, Authorized officers of NESCO/WESCO/ SOUTHCO, officials of OHPC and the licensees were present. The SAC unanimously confirmed the minutes of the 14th SAC meeting held on 31.05.2017. The ATR of the 14th SAC meeting was circulated among the participants of the proceeding. The members of the SAC stressed that the actions still pending in the ATR (i.e., Annexure-1 in the present case) should be continued to be placed in the ATRs of the subsequent meetings till those are fully complied.

The agenda for the proceeding is as below:

Standard Operating Procedure for:

- (i) Billing,
- (ii) Collection,
- (iii) Detection and Replacement of Defective Metering System
- (iv) New Service Connection

The Chairperson advised the DISCOMs to provide necessary infrastructure support to the GRFs for their satisfactory functioning. The Chairperson gave the example of practice adopted by NESCO at Balasore for handling request for new power connection. He stated that an intending consumer has to make only a telephone call to the DISCOM's local office. On receipt of this request, the DISCOM officials/authorised representatives can visit the consumer premises, conduct necessary survey and obtain written application and required documents from the intending consumer. Thereafter, the demand notice indicating the payment to be made may be sent to the applicant within 7 days. On deposit of the amount, the power connection may be provided within 7 days. The Chairperson directed DISCOMs to provide the format for test report to the consumer along with the application form. He opined that if the meter develops defect during the warranty period, it should be replaced by the supplier and the remaining instalments only be recovered from the consumer. The Chairperson directed NESCO to find a technical solution to the damage of metering cubicle of HT consumers due to absorption of moisture and apprise the Commission within next one month. He directed the DISCOMs to verify the allegation and check the status of availability of materials. In no case, the consumer should be forced to purchase the materials required for new power supply connection after depositing appropriate fees with the licensees. The following decision were taken at the meeting:

- (a) The pending actions of the ATR should be reflected in the ATRs of the subsequent SAC meeting till they are fully complied.
- (b) Proper amenities should be provided in the GRF offices by the Licensees.
- (c) The licensees should be careful to position the GRF offices in well accessible places as far as practicable, with all basic amenities like drinking water, sitting arrangement, toilet etc.
- (d) Monthly interaction at the Circle level with the GRFs must be undertaken. The President, the Member and the Co-opted member must be invited to attend such interaction for exchange of ideas. Besides that,

quarterly interaction should be conducted at the DISCOM corporate office level. CESU and SOUTHCO are understood to have conducted quarterly interaction for this quarter at their corporate level, NESCO and WESCO are directed to conduct such meetings in the month of September, 2017.

- (e) The monthly meter reading abstract for the HT consumers should be prepared at Divisional level billing cell and given to the SDO on the 1st day of the month.
- (f) The process of obtaining applications for fresh connection should be simplified, estimates promptly prepared and communicated and service connection provided in a time bound manner.
- (g) The estimate should be prepared within 7 days of the application and the power supply should be effected within 7 days of necessary deposits. After all, it should be the duty of the licensee to bring more consumers.
- (h) The licensees should put information at conspicuous places regarding the schedule of cost estimate for power supply with one or two pole service connection extension. The security deposit amount should also be informed for knowledge of the new applicants.
- (i) DISCOMs are required to sensitise their officials to implement the orders of GRF or approach the next higher forum, if required, instead of sitting over the decision. DISCOMs, while implementing the orders may fix responsibility on the person responsible for such lapses. On the other hand, if any GRF is found to be passing orders not in conformity with the laws and regulations, necessary remedial measures may be taken.
- (j) NESCO is directed to find a technical solution to the issue of damage of metering cubicle in case of HT consumers due flash over on account of saline effect and apprise the Commission within next one month.
- (k) The licensees should keep sufficient materials available to extend new power supply connection. In no case, the consumer should be forced to purchase the materials required for new power supply connection after depositing the appropriate fees with the licensees.

(iv) MINUTES OF THE 16th MEETING OF SAC OF OERC HELD ON 28.11.2017

The 16th meeting of the State Advisory Committee (SAC) was held in the Conference Hall of the OERC at 3:30PM on 28.11.2017. Shri Upendra Nath Behera, Chairperson, OERC presided over the meeting. Member Shri A. K. Das, Member Shri S.K. Parhi, SAC Members along with senior officials of Govt. of Odisha, GRIDCO/OPTCL and heads of the Utilities attended the meeting.

Shri U.N. Behera, Chairperson, OERC, welcomed everyone present to the 16th meeting of the SAC. He said that the last meeting of the SAC was on Service Delivery and the current topic would be the Supply Code. He observed that the Supply Code was introduced in 2004 and since then many changes/amendments have taken place considering the ground realities, consumer base and technology. He said that a lot of efforts have been made by the Commission to frame this draft code to meet the current need. He sought suggestions of the members on the same. He allowed a brief discussion on the Action Taken Report (ATR) prior to the main agenda item. The Chairperson observed that the Commission had recently despatched a letter to all Discoms asking them to provide certain amenities to all GRFs and directed Smt. Purabi Das, PAO, to read out the same. The Chairperson asked the Discoms to take due note of the suggestion that Hearing Halls of GRFs should be in ground floor in order to make them accessible to physically

challenged persons. The Chairperson agreed that the onus for security of the meter is with the licensee who must ensure that it is not tampered. He pointed out that it is clear that the licensee will be responsible if the meter is installed outside the premises. The Chairperson observed that a second notice was in order as any reminder by consumer is not necessary due to a deeming provision. The Chairperson observed that provisions should be in consonance with the provisions of the Industrial Policy Resolution of the State Govt. The Chairperson said that all applications and complaints must be logged digitally and an acknowledgement be generated showing the date and time of application for further reference. The Chairperson informed that the period for filing objections the draft Supply Code notification will be extended by a month. The Chairperson thanked all participants for their feedback and said that the next SAC meeting would be for a whole day with the first half devoted to Supply Code and the second to tariff. He also agreed to Shri Abhaya Padhi's suggestion for an annual presentation on the performance of Discoms before the SAC. The Chairperson requested the SAC members to submit their views on the draft Supply Code with suggestions.

(v) MINUTES OF THE 18th MEETING OF SAC OF OERC HELD ON 30.05.2018

The 18th meeting of the State Advisory Committee (SAC) was held in the Conference Hall of the OERC at 3:30 PM on 30.05.2018. Shri Upendra Nath Behera, Chairperson, OERC presided over the meeting. Member Shri A.K. Das, Member Shri S.K. Parhi, SAC Members along with senior officials of OERC, Govt. of Odisha, GRIDCO/OPTCL & heads of the utilities attended the meeting.

Shri U.N. Behera, Chairperson, OERC, welcomed all present to the 18th meeting of the SAC. He asked representatives of DISCOMs to submit the status of compliance to the items listed in the ATR. Regarding item no 3, i.e, misuse of Section 126, the Chairperson informed that the Commission had banned levy of multiple penalty under the latter in the current tariff order. Regarding item no 4 i.e, introduction of smart meter/prepaid meter, the Chairperson informed that the Commission had set up a task force consisting of representatives of OERC and the DISCOMs under the leadership of Shri Bibhu Mohapatra to study phase wise introduction of smart meters in Odisha. The Chairperson pointed out that as many as 13 lakh consumers in Odisha either had defective meters or no meters and in addition to that about 10 lakh consumers had electro-mechanical meters. Therefore, the priority should be on going for 100% metering first instead of waiting for smart meters at affordable cost. The Chairperson also informed that smart metering was proposed to be taken up on a pilot basis in two divisions of each DISCOM initially. The Chairperson felt that it would be better to go for urban areas that have higher losses. Regarding information given under SAIFI, MAIFI & SAIDI, the Chairperson replied that periodic reviews as well as inspection were being conducted by the Commission to verify the information. The Chairperson directed that the SOUTHCO Utility and WESCO Utility should conduct third party audit immediately and directed Shri Patnaik to issue an advertisement for empanelment of audit firms. However, he said that the prevailing practice of engaging auditors for a maximum period of three years could be followed. The Chairperson directed Shri Patnaik to review the standards and upgrade the SOP accordingly. Regarding Call Centres, the Chairperson informed that all four DISCOMs had already set up the same, but more expanded facilities including toll free nos., mobile tagging, grievance documentation and time bound resolution would be included shortly. The Chairperson directed that the new grievance redressal system could have an App based option. The Chairperson asked Shri Patnaik to examine the voltage norms and see if they need to be changed. The Chairperson directed that

they should be replaced and asked Shri Patnaik to revisit relaxation of ESCROW for purchase of spare parts. The Chairperson observed that the SOP Regulation provides for payment of compensation and it should be paid wherever applicable. The Chairperson directed that a mechanism for ascertaining consumer satisfaction index may be developed. The Chairperson directed for the date and time to be clearly mentioned in the assessment notice. The Chairperson wished to know the status of provision of uniforms to all Distcom staff as directed in the previous year's tariff order. The Chairperson agreed to the proposal that Aadhar card numbers of outsourced staff should be collected and the Aadhar card could be used as the ID with proper authorisation and directed all DISCOMs to do the needful. The following decision were taken:

- (a) Quarterly review by OERC of installation of 25 lakh meters scheduled for completion by September, 2019.
- (b) SOUTHCO Utility and WESCO Utility to conduct third party energy audit immediately and Secretary, OERC to advertise for empanelment of audit firms.
- (c) Since quality of power had improved, OERC to review the standards and upgrade the SOP accordingly.
- (d) Existing voltage limits set for LT, HT & EHT to be reviewed and changed by OERC if necessary.
- (e) Setting up of upgraded Call Centres for four DISCOMs to be monitored on a monthly basis by Commission and an App based grievance redressal system to be introduced.
- (f) Relaxation of ESCROW for purchase of spare parts to be increased to meet the requirements.
- (g) SOP Regulation provides for payment of compensation and the same should be paid by DISCOMs wherever applicable.
- (h) Date as well as time to be notified in Assessment Notices under Section 126.
- (i) A Customer satisfaction Index to be prepared on the basis of a state wide Consumer Satisfaction Survey.
- (j) All DISCOM employees to have uniforms by 30th June, 2018.
- (k) Safety gear and ID based on Aadhar card to be provided to all outsourced/Franchisee workers operating in DISCOM areas.

RETAIL SUPPLY TARIFF EFFECTIVE FROM 1ST APRIL, 2018

Sl. No	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		250.00		20	20	
	(Consumption >50, <=200 units/month)	LT		430.00				
	(Consumption >200, <=400 units/month)	LT		530.00				
	Consumption >400 units/month)	LT		570.00				
2	General Purpose < 110 KVA							10
	Consumption <=100 units/month	LT		540.00		30	30	
	Consumption >100, <=300 units/month	LT		650.00				
	(Consumption >300 units/month)	LT		710.00				
3	Irrigation Pumping and Agriculture	LT		150.00		20	10	10
4	Allied Agricultural Activities	LT		160.00		20	10	10
5	Allied Agro-Industrial Activities	LT		420.00		80	50	DPS/Rebate
6	Public Lighting	LT		570.00		20	15	DPS/Rebate
7	L.T. Industrial (S) Supply <22 KVA	LT		570.00		80	35	10
8	L.T. Industrial (M) Supply >=22 KVA <110 KVA	LT		570.00		100	80	DPS/Rebate
9	Specified Public Purpose	LT		570.00		50	50	DPS/Rebate
10	Public Water Works and Sewerage Pumping <110 KVA	LT		570.00		50	50	10
11	Public Water Works and Sewerage Pumping >=110 KVA	LT	200	570.00	30			10
12	General Purpose >= 110 KVA	LT	200	570.00	30			DPS/Rebate
13	Large Industry	LT	200	570.00	30			DPS/Rebate
	HT Category							
14	Bulk Supply - Domestic	HT	20	440.00	250			10
15	Irrigation Pumping and Agriculture	HT	30	140.00	250			10
16	Allied Agricultural Activities	HT	30	150.00	250			10
17	Allied Agro-Industrial Activities	HT	50	410.00	250			DPS/Rebate
18	Specified Public Purpose	HT	250		250			DPS/Rebate
19	General Purpose >70 KVA < 110 KVA	HT	250		250			10
20	H.T Industrial (M) Supply	HT	150		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		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	435.00	0			DPS/Rebate

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. All statutory levies shall be collected in addition to meter rent.

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

- vi) 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.
- vii) 1% rebate over and above normal rebate shall be allowed on the bill to the LT domestic category of consumers only over and above all the rebates who pay through digital means. This rebate shall be applicable on the current month bill if paid in full.
- viii) A Special rebate to the LT single phase consumers in addition to any other rebate he is otherwise eligible for shall be allowed at the end of the financial year (the bill for month of March) if he has paid the bill for all the 12 months of the financial year consistently without fail within due date during the relevant financial year. The amount of rebate shall be equal to the rebate of the month of March for timely payment of bill.
- ix) 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.
- x) 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.
- xi) Charging of electric vehicles shall be treated as GP category use if vehicle charged is owned by the concerned consumer.
- xii) Tariff as approved shall be applicable in addition to other charges as approved in this Tariff order w.e.f. 01.04.2018.

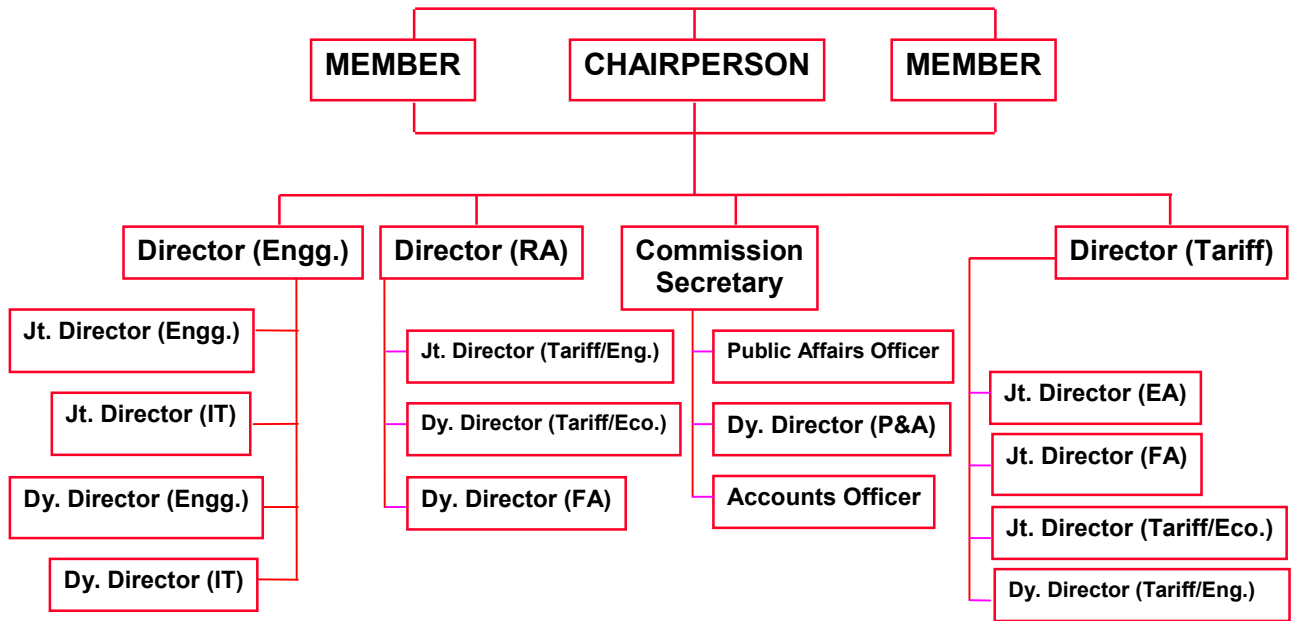
ODISHA ELECTRICITY REGULATORY COMMISSION									
PERFORMANCE OF ELECTRICITY DISTRIBUTION COMPANIES IN ODISHA DURING THE FY 2016-17 (AS REPORTED AND FURNISHED THROUGH AN AFFIDAVIT)									
ACHIEVEMENT ON OVERALL STANDARDS OF PERFORMANCE:									
LICENSEES		CESU		NESCO Utility		WESCO Utility		SOUTHCO Utility	
	Period	FY 16-17		FY 16-17		FY 16-17		FY 16-17	
Achievement in % of the licensees in the following service area	Minimum % target fixed the Comm on								
Rectification of fuse-off call within 6 hrs. of receiving the complaint in urban areas	90	100.00		99.99		99.88		100.00	
Rectification of fuse-off call within 24 hrs. of receiving the complaint in rural areas	90	100.00		99.98		99.88		100.00	
Restoration of line break-down within 12 hrs. of receiving the complaint in urban areas	95	100.00		100.00		99.77		100.00	
Restoration of line break-down within 24 hrs. of receiving the complaint in rural areas	95	100.00		99.97		99.92		100.00	
Replacement of Distribution Transformer within 24 hrs. of receiving the complaint in urban areas	95	100.00		100.00		99.21		100.00	
Replacement of Distribution Transformer within 48 hrs. of receiving the complaint in rural areas	95	100.00		99.81		99.76		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 + 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	--		20		5		18	
Total no. of interruption each lasting more than 5 minutes faced by 1 KW connected load (SAIFI)		124		600		26		225	
Total no. of interruption each lasting less than 5 minutes faced by 1 KW connected load (MAIFI)		62		165		25		142	
Total duration of interruption in minutes each 1 KW connected load (SAIDI)		3419		8820		676		5086	
No. of accident cases		15-16	16-17	15-16	16-17	15-16	16-17	15-16	16-17
Fatal Human		21	37	19	34	22	12	43	36
Fatal Animal		03	22	44	26	10	05	40	15
Non-fatal Human		10	42	16	23	08	06	16	10
Non-fatal Animal		0	1	03	0	0	01	0	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.									
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 of mixed category i.e. Permanent, Deputation and Contractual Staff. The persons in position as on 18.08.2018 are detailed in the table below:-

SI No.	Designation	Persons in position
1	Commission Secretary	Sri P. Pattnaik I/c
2	Director (Engg.)	Vacant
3	Director (Tariff)	Vacant
4	Director (Regulatory Affairs)	Sri P. Pattnaik
5	Jt. Director (Economic Analyst)	Dr. M.S. Panigrahi
6	Jt. Director (IT)	Shri J.C. Mohanty
7	Jt. Director (T/Econ)	Dr. (Mrs.) A. Das
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 (T/Econ)	Sri Archana Sahoo
18	Accounts Officer	Sri P.K. Tripathy
19	Personal Assistant	Sri M. Moharana
20	Personal Assistant	Sri L.N. Padhi
21	Personal Assistant	Sri S.K. Sahoo
22	Personal Assistant	Sri P.K. Sahoo
23	Personal Assistant	Sri K.C. Tudu
24	Personal Assistant	Sri S.K. Das
25	Personal Assistant	Smt. L.B. Patnaik
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 2018

Liabilities	Figures for the current year	Figures for the previous year	Assets	Figures for the current year
1	2	3	4	5
1. General Fund	25,91,33,063.20	21,95,61,975.68	1. Fixed Assets	40,90,845.79
Add: (Less) Excess of income over Expenditure (or expenditure over Income) during the year transferred from Income and Expenditure account.	3,75,13,501.85	4,07,98,364.33	2. Investment	27,55,00,000.00
2. Loans	Nil	Nil	3. Current Assets and Advances.	6,28,74,962.12
3. Current liabilities and provisions.	4,58,19,242.86	4,59,00,527.86	4. Grants-in-aid receivable from Government of Orissa.	Nil
			5. Grants from other sources	Nil
	34,24,65,807.91	30,62,60,867.87		34,24,65,807.91

Annexure-6**INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH 2018**

(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	8,00,95,497.00	5,72,73,828.00	1.Grants-in-aid from the Government of Orissa.	Nil	Nil
2. Office & Establishment & Repair & Maintenance Expenses	1,98,07,793.00	2,12,17,930.40	2. Grant from Other Sources.	Nil	Nil
3. Depreciation of Assets.	12,27,271.72	13,30,535.75	3. Receipts of the Commission	11,89,00,000.00	9,94,12,035.79
4. Other Expenditure.	10,82,850.00	1,18,811.00	4. Interest on		
5. Excess of Income over Expenditure	3,75,13,501.85	4,07,98,364.33	a) Cash at Bank	41,80,684.57	59,65,190.69
			b) Investment	1,66,46,229.00	1,53,62,243.00
			5. Excess of Expenditure over Income	NIL	NIL
	13,97,26,913.57	12,07,39,469.48		13,97,26,913.57	12,07,39,469.48

Yet to be audited by C & AG of India

ANNEXURE-7**RECEIPT AND PAYMENT ACCOUNT FOR THE YEAR ENDED 31ST MARCH 2018**

(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	6,06,02,369.00	5,39,55,222.00
(i) Cash at Bank	7,94,24,597.00	9,11,14,223.52	2. By Office and Establishment Expenses	1,63,25,722.15	1,99,96,641.40
(ii) Cash in Hand	6,786.00	6,786.00	3. By Purchase of Assets	12,03,544.00	23,34,741.00
			4. By Advances		
2. To Grants-in-aid from the Government of Odisha		5,37,361.00	a) Advances to employees	13,15,000.00	23,49,606.00
			b) Contingent Advances		
			c) Advance Payment of Income Tax/TDS		
3. To Grant from Other Sources			5. Deposits Payments (Fixed Deposit in Bank)	27,55,00,000.00	16,98,82,797.00
			6. By Balance c/d.		
4. To Receipts of the Commission	11,51,26,569.00	11,93,47,487.69	(i) Cash at Bank	84,33,938.85	7,94,24,597.81
			(ii) Cash in Hand	6,786.00	6,786.00
5. Receipts from Investment	16,98,82,797.00	13,96,51,878.00	7. Other Expenditure	10,53,389.00	1,07,915.00
			8. Other Payments		2,25,99,430.00
	36,44,40,749.00	35,06,57,736.21		36,44,40,749.00	35,06,57,736.21

Yet to be audited by C & AG of India

**Seminars/Workshops/Training Programmes attended by
Commissioners/Officers/Officials during the FY 2017-18**

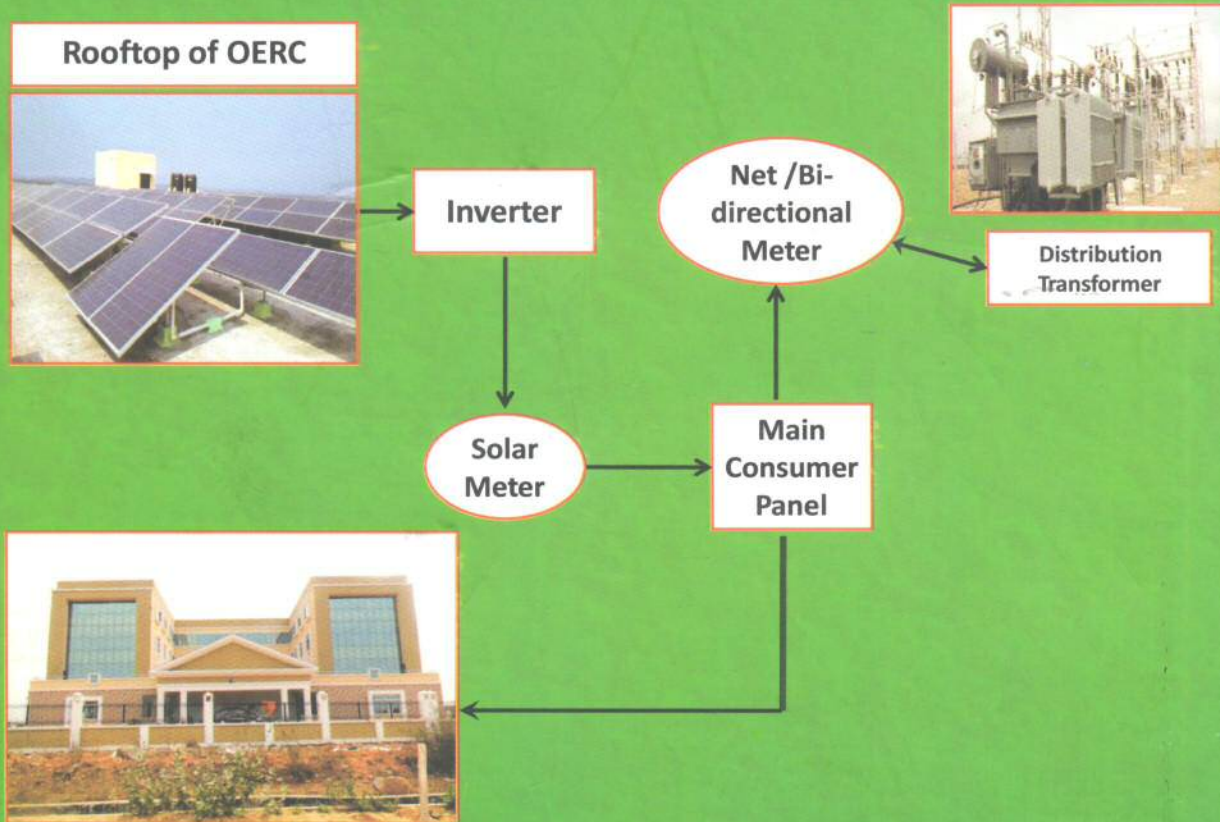
Sl. No.	Name and Designation	Particulars of Programme	Duration	Venue	Programme Conducted/ Sponsored by
1	Shri U.N. Behera, Chairperson	23 rd Steering Committee Meeting of SAFIR	11-13 rd May, 2017	New Delhi	SAFIR
2	Shri A.K. Das, Member	One day conference – IPPAI East & North East India Power Conclave 2017	26 May, 2017	Kolkata	IPPAI
3	Shri J.C. Mohanty, Jt. Director (IT)	Smart Grid Training	31.05.2017 to 02.06.2017	Kolkata	ISGF
4	Shri A.K. Jagadev, Dy. Director (T/Engg)	-do-	-do-	-do-	-do-
5	Shri U.N. Behera, Chairperson	18 th Annual General Body Meeting	18-22 nd June, 2017	New Delhi	FOIR
6	Shri A.K. Das, Member	-do-	-do-	-do-	-do-
7	Shri S.K. Parhi, Member	-do-	-do-	-do-	-do-
8	Shri A.K. Das, Member	Conference on “Emissions Control in Power Plants”.	03.08.2017	New Delhi	India Infrastructure Publishing Pvt. Ltd.
9	Shri U.N. Behera, Chairperson	Executive Management Workshop of FOIR under RRTI	11-12 th Sept. 2017	New Delhi	-do-
10	Shri A.K. Das, Member	-do-	-do-	-do-	-do-
11	Shri S.K. Parhi, Member	-do-	-do-	-do-	-do-
12	Ms. Purabi Das, PAO	Workshop on Consumer Protection Act, 1986 & OCP Rules, 1988 and Electricity Act, 2003.	22.09.2017	BBSR	Govt. of Odisha, Food Supplies and Consumer Welfare Department
13	Shri A.K. Das, Member	4 th Meeting of the Sub-Group on Power Quality to discuss the international experience and best practice.	9 th Oct. 2017	New Delhi	FOR
14	Shri U.N. Behera, Chairperson	Regulators & Policymakers Retreat, 2017	26 – 29 Oct. 2017	Karnataka	IPPAI
15	Shri A.K. Das, Member	-do-	-do-	-do-	-do-
16	Shri S.K. Parhi, Member	-do-	-do-	-do-	-do-
17	Shri A.K. Das,	Twelfth Annual Conference on	15-16 th Nov.	New Delhi	India

	Member	"Power Distribution in India".	2017		Infrastructure
18	Shri S.P. Mishra, Jt. Dir (Engg)	11 th Capacity Building Programme for Officers	9-15 Dec. 2017	Kanpur & Singapore	FOR
19	Shri U.N. Behera, Chairperson	Smart Grid Training Program for Regulators & Other Stakeholders.	14-15 th Dec. 2017	New Delhi	India Smart Grid
20	Shri A.K. Panda, Jt. Dir (T/Engg)	-do-	-do-	-do-	-do-
21	Shri J.C. Mohanty, Jt. Dir (IT)	-do-	-do-	-do-	-do-
22	Shri A.K. Das, Member	Flue Gas Desulphurization System	18 th Dec. 2017	New Delhi	Power Line
23	Shri U.N. Behera, Chairperson	Interaction of the Hon'ble Minister of State for Power & NRE with Electricity Regulators	8 th Jan. 2018	New Delhi	FOR
24	Shri S.P. Mishra, Jt. Dir (Engg)	Eastern Regional Workshop	13 & 14 th July, 2018	BBSR	EIC
25	Shri A.K. Das, Member	Conference on "Off take risks for Renewable Energy".	17.01.2018	New Delhi	India Infrastructure
26	Shri J.C. Mohanty, Jt. Dir (IT)	4 th Edition of India Smart Grid Week- An International Conference and Exhibition on Smart Grids and Smart Cities.	05-09 th March, 2018	New Delhi	India Smart Grid
27	Shri S.P. Mishra, Jt. Dir (Engg)	-do-	-do-	-do-	-do-

ROOF TOP SOLAR PLANT

Grid Connected Solar Photo
Voltaic 25 KWp Power Plant

AT ODISHA ELECTRICITY REGULATORY COMMISSION



ODISHA ELECTRICITY REGULATORY COMMISSION

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