

TARIFF ORDER

Determination of Retail Supply Tariff for FY 2018-19, Annual Performance Review of FY 2017-18

&

True-up of FY 2014-15

Petition No. 248/2017

For

Electricity Department, Andaman and Nicobar Administration

26th February 2018

संयुक्त विद्युत् विनियामक आयोग, (गोवा और केंद्र शासित प्रदेशों के लिए) JOINT ELECTRICITY REGULATORY COMMISSION

For the State of Goa and Union Territories, 2 तल, वंजीज्या निकुंज, एचएसआईआईडीसी कार्यालय परिसर, औद्योग विहार, फेज़-V, गुडगाँव — 122016, हरयाणा 2nd Floor, HSIIDC Office Complex, Vanijya Nikunj, Udyog Vihar, Phase-V, Gurgaon-122 016 (Haryana) दूरभाष: 0124-2875302, फैक्स: 0124-2342853

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Before the

Joint Electricity Regulatory Commission For the State of Goa and Union Territories, Gurgaon

QUORUM

Sh. M. K. Goel (Chairperson) Ms. Neerja Mathur (Member)

Petition No. 248/2017

In the matter of

Determination of Tariff for the FY 2018-19, Annual Performance Review of FY 2017-18 and True-up of FY 2014-15

And in the matter of

Electricity Department, Andaman and Nicobar Administration.......Petitioner

ORDER

Dated: 26th February 2018

- a. This Order is passed in respect of the Petition filed by the Electricity Department, Andaman and Nicobar Administration for approval of True-up for the FY 2014-15, Annual Performance Review for the FY 2017-18 and Determination of Tariff for the FY 2018-19.
- b. After receiving the Petition, the Commission scrutinised its contents and requisitioned further information/clarifications on the data gaps observed in the Petition to take a prudent view of the Petition. The Commission also held a Technical Validation Session to determine its sufficiency. Further, comments/objections/suggestions were invited from the public/stakeholders. A Public hearing was held and the stakeholders/Public were heard. The schedule of activities performed in the course of this quasi-judicial process is given below:

Particulars	Details
Date of Admission	13 th December 2017
Technical Validation Session	10 th January 2018
Public Hearing	22 th January 2018

- c. The approved tariff of FY 2018-19, as detailed in the Chapter "Tariff and Terms and Conditions of Tariff," shall come in force from 1st April 2018 and shall remain valid till further Orders of the Commission.
- d. All existing provisions which are not modified by this Order shall continue to be in force.
- e. The licensee shall publish the revised Tariff Schedule and the salient features of the tariff within one week of receipt of the Order in three daily newspapers in English and the local languages of the region, having wide circulation in their respective areas of supply.
- f. It is seen that in the case of Andaman & Nicobar (A&N) islands, the majority of the generation is diesel-based, making the per unit cost of generation very high, compared to other utilities. In view of this, the approved tariff will not cover the full cost of supply. Historically also, there has been a substantial gap between the actual cost of supply and the revenue realized, which so far has been borne by the A&N administration. Accordingly, any variation in the power purchase cost (including variation in the cost of its own generation) should, for the time being, be borne by the utility.
- g. Ordered as above, read with the attached document giving detailed reasons, grounds and conditions.

-sd-**नीरजा माथुर** (सदस्य) -sd-एम. के. गोयल (अध्यक्ष)

संयुक्त विद्युत् विनियामक आयोग (गोवा और केंद्र शासित प्रदेशों के लिए)

स्थान: गुडगाँव दिनांक: 22 फरवरी, 2018

(Certified Copy)

कीर्ति तिवारी, सचिव

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List of Abbreviations

Abbreviation		Full Form	
A&G	:	Administrative & General	
Act	:	The Electricity Act, 2003	
ARR	:	Aggregate Revenue Requirement	
CAGR	:	Compound Annualized Growth rate	
Capex	:	Capital Expenditure	
CC	:	Current Consumption	
CEA	:	Central Electricity Authority	
CERC	:	Central Electricity Regulatory Commission	
CGS	:	Central Generating Station	
COD	:	Commercial Operation Date	
Commission/JERC	:	Joint Electricity Regulatory Commission for the state of Goa and Union Territories	
DISCOM	:	Electricity Department of Andaman and Nicobar Islands	
CPSU	:	Central Public Sector Undertaking	
EA 2003	:	The Electricity Act, 2003	
FC	:	Fixed Charges	
FPPCA	:	Fuel & Power Purchase Cost Adjustment	
FY	:	Financial Year	
GFA	:	Gross Fixed Assets	
НР	:	Horse Power	
НТ	:	High Tension	
IPDS	:	Integrated Power Development Scheme	
KVA	:	Kilo Volt Ampere	
KWh	:	Kilo Watt Hour	
LPS	:	Late Payment Surcharge	
LT	:	Low Tension	
MU	:	Million Unit	
MW		Mega Watt	
MYT		Multi Year Tariff	
NFA		Net Fixed Assets	
O&M		Operation & Maintenance	
PX	:	Power Exchange	
REC	:	Renewable Energy Certificate	
RoE	:	Return on Equity	
RPO	:	Renewable Purchase Obligation	
R&M	:	Repair & Maintenance	
SLDC	:	State Load Dispatch Centre	

True-up of FY 15, Review of FY 18 & Retail Supply Tariff of FY 19

Abbreviation		Full Form	
SBI CAPS	•	SBI Capital Market Limited	
SBI PLR/SBAR	:	SBI Prime Lending Rate/State Bank Advance Rate	
T&D	:	Transmission & Distribution	
VC	:	Variable Charges	
SPCL	:	Suryachakra Power Corporation Limited	
PCRA	:	Petroleum Conservation Research Agency	

Chapter 1: Introduction

1.1. About JERC

In exercise of the powers conferred by Section 83 of the Electricity Act 2003, the Central Government constituted a two member (including Chairperson) Joint Electricity Regulatory Commission for all Union Territories except Delhi to be known as "Joint Electricity Regulatory Commission for Union Territories" with headquarters at Delhi as notified vide notification no. 23/52/2003 – R&R dated 02nd May 2005. Later, with the joining of the State of Goa, the Commission came to be known as "Joint Electricity Regulatory Commission for the State of Goa and Union Territories" as notified on 30th May 2008. The Joint Electricity Regulatory Commission for the State of Goa and Union Territories (Andaman & Nicobar Islands, Chandigarh, Dadra and Nagar Haveli, Daman & Diu, Lakshadweep and Puducherry) started functioning with effect from September 2008. The office of the Commission is located in Gurgaon, Haryana.

1.2. Electricity Regulatory Process in Andaman and Nicobar Islands

The Electricity Department of Andaman & Nicobar Administration had submitted their Petitions for determination of Aggregate Revenue Requirement and Tariff before the Commission and the Commission subsequently issued the following Tariff Orders:

Table 1: Details of Tariff and related Petitions submitted by the Petitioner so far & Orders issues by JERC

Sr. No.	For FY	Filing date	Date of Tariff Order
1.	FY 2012-13	29th November 2011	04 th June 2012
2.	FY 2013-14	29th November 2012	31st March 2013
3.	FY 2014-15	16 th January 2014	11 th April 2014
4.	FY 2015-16	15th December 2014	31st March 2015
5.	Business Plan Order for 1st MYT Control Period	10 th September 2015	28 th December 2016
6.	MYT Order for 1 st MYT Control Period	09 th February 2016	06 th April 2016
7.	FY 2017-18	29th December 2016	29 th March 2017

1.3. Filing and admission of the present Petition

The present Petition was filed vide letter dated 30th November 2017, received at the Commission's office on 6th December 2017, admitted on 13th December 2017 and marked as Petition No. 248/2017.

1.4. Interaction with the Petitioner

The Order has referred at numerous places to various actions taken by the "Commission." It may be mentioned for the sake of clarity that the term "Commission," except for the hearing and orders, denotes the Secretariat of the Commission responsible for carrying out technical due diligence and validation of data of the Petitions filed by the utilities, obtaining and analysing information/clarifications received from the utilities, and submitting relevant issues for consideration of the Commission.

To analyse the Petition, the Commission's staff held discussions with the Petitioner/Petitioner's representatives, obtained information/clarifications wherever required, and carried out technical validation with regard to the information provided by the Petitioner. The Commission's staff interacted regularly with the Petitioner to seek clarifications and justification on various issues essential for analysis of the Tariff Petition and conducted a Technical Validation Session (TVS) with the Petitioner during which discrepancies in the Tariff Petition were pointed out and additional information required by the Commission was indicated. This session was held in the office of JERC, Gurgaon, Haryana on 10th January 2018. The Petitioner submitted its replies, as shown below, in response to various queries raised by the Commission during analysis of the Petition. These were taken into account for finalisation of the Tariff Petition.

Table 2: List of Interactions with the Petitioner

S.No.	Date	Subject			
1.	13 th December 2017	Admission of Petition			
2.	19th December 2017	1st set of data gaps forwarded by the Commission			
3.	10 th January 2018	Response to 1st set of data gaps by the Petitioner			
4.	10 th January 2018	Technical validation session			
5.	11 th January 2018	2nd set of data gaps forwarded by the Commission			
6.	30th January 2018	Response to 2 nd set of data gaps by the Petitioner			

1.5. Public Hearing process

The Commission directed the Petitioner to publish a summary of the Tariff Petition to ensure public participation. Public notices were published by the Petitioner for inviting objections/ suggestions from stakeholders on the Tariff Petition.

Table 3: Details of public notices published by the Petitioner

Sr. No.	Date	Name of newspaper	Place of circulation
1.	7 th January 2018	The Daily Telegram	Port Blair
2.	6 th January 2018	Andaman Sheekha	Port Blair
3.	11 th January 2018	The Daily Telegram	Port Blair
4.	14 th January 2018	The Info India	Port Blair
5.	15 th January 2018	The ECHO of India	Port Blair

The Petitioner also uploaded the Petition on its website http://electricity.and.nic.in and invited objections and suggestions on the Petition. Interested parties/stakeholders were requested to file their objections/ suggestions on the Petition to the Commission with a copy to the Petitioner on or before 19th January 2018. The copies of the public notices published by the Petitioner are attached as **Annexure 1** to this Order. The Commission received a few suggestions on the Petition, which the department responded to at the time of the Public Hearing itself.

1.6. Notice for Public Hearing

The Commission also published public notices in leading newspapers, tabulated below, giving due intimation to stakeholders, consumers, and the public at large about the Public Hearing to be conducted by the Commission on 22th January 2018 at Port Blair.

Table 4: Details of public notices published by the Commission

S .No.	Date	Name of Newspaper	Place of Circulation
1.	23 rd December 2017	Arthik Lipi	Port Blair
2.	23 rd December 2017	The ECHO of India	Port Blair
3.	23 rd December 2017	The Andaman Express	Port Blair
4.	20th January 2018	Arthik Lipi	Port Blair
5.	20th January 2018	The ECHO of India	Port Blair
6.	20th January 2018	The Andaman Express	Port Blair

Copies of the public notices published by the Commission for intimation of the Public Hearing are attached as **Annexure 2** to this Order.

The schedule of the hearing conducted by the Commission is presented below:

Table 5: Schedule of Public Hearing at Port Blair

Sr. No.	Date & time	Venue of hearing	Subject
1.	22 th January 2018 from 02:30 pm onwards	ALHW Multipurpose Hall, Port Blair	True-up of FY 2014-15, Annual Performance Review for FY 2017-18, and Tariff Proposal for FY 2018- 19

The major issues raised/indicated during the Public Hearing, along with comments/replies of the utility and views of the Commission thereon, have been summarised in Chapter 2 of this Order.

Chapter 2: Summary of Objections/ Suggestions received, responses from Petitioner and Commission's views

2.1. Regulatory Process

On admitting the Petition, the Commission uploaded the Petition on its website and also directed the Petitioner to make copies of the Petition available to the public, upload the Petition on its website and also publish it in newspapers in an abridged form, duly inviting comments/objections from the public as per provisions of the JERC (Terms and Conditions for Determination of Tariff) Regulations, 2009 and the JERC (Multiyear Distribution Tariff) Regulations, 2014, as amended.

The Public Hearing was held on 22nd January 2018 at Port Blair. The list of stakeholders is attached as **Annexure 3** to this Order.

All stakeholders were provided an opportunity to present their suggestions including those stakeholders who had not given prior written objections/suggestions but expressed their views, objections, suggestions during the hearing.

2.2. Objections/ Suggestions, response of the Petitioner and the Commission's Comments

The Commission is appreciative of the efforts of the various stakeholders for providing suggestions/ comments/ observations to make the electricity distribution sector responsive and efficient.

In general, the main issues raised by the participants were:

- 1. Request for lowering of tariff, keeping in view the economy of the islands.
- 2. Poor operation and maintenance of SPCL plant which has led to deterioration of supply quality in the region.
- 3. Since the power supply contract between EDA&N and SPCL (Suryachakra Power Corporation Limited) is expiring in March 2018, concern was raised that the fuel consumption per unit of the new rental power stations would be higher than that of SPCL resulting in higher power purchase cost.
- 4. Burden on consumers due to power procurement at higher cost from 10 MW and 5 MW private generators.
- 5. Reduction in load shedding in the island by implementing solar power widely and reducing dependency on diesel power generation.
- 6. Inadequate advertisement of the Public Hearing by the Electricity Department resulting in low participation of the public at the hearing.

The Commission heard the stakeholders as well as the Petitioner on the aforesaid issues. The Commission feels that due to limited generation capacity and high generation cost in

the region, procurement of costlier power is unavoidable. However, it cannot be ruled out that the current tariffs in the region are already very low and a large portion of the resulting under-recovery is being taken care of by the ED-A&N with support from the Government of India. Therefore, the Commission has approved a nominal increase in order to align the tariff of various categories with the provisions of the Tariff Policy which mandates the tariff to be within +/-20% of the average cost of supply. With respect to concerns shown by the stakeholders towards the power cuts and shortage, the Commission has already directed the Petitioner to provide the status of the new plants which were proposed to be installed by the various agencies.

Chapter 3: True-up for FY 2014-15

3.1. Applicable Provisions of Tariff Regulations, 2009

The True-up of FY 2014-15 is to be carried out as per the following provisions of Regulation 8 of JERC for the State of Goa and Union Territories (Terms and Conditions for Determination of Tariff) Regulations, 2009 herein referred to as "Tariff Regulations, 2009":

"After audited accounts of a year are made available, the Commission shall undertake similar exercise as above with reference to the final actual figures as per the audited accounts. This exercise with reference to audited accounts shall be called 'Truing Up'.

The Truing up for any year will ordinarily not be considered after more than one year of 'Review'.

The revenue gap of the ensuing year shall be adjusted as a result of Review and Truing up exercises.

While approving such expenses/revenues to be adjusted in the future years as arising out of the Review and / or Truing up exercises, the Commission may allow the carrying costs as determined by the Commission of such expenses/revenues. Carrying costs shall be limited to the interest rate approved for working capital borrowings.

For any revision in approvals, the licensee would be required to satisfy the Commission that the revision is necessary due to conditions beyond its control.

In case additional supply is required to be made to any particular category, the licensee may, any time during the year make an application to the Commission for its approval. The application will demonstrate the need for such change of consumer mix and additional supply of power and also indicate the manner in which the licensee proposes to meet the cost for such change of consumer mix and additional supply of power.

The Commission may consider granting approval to such proposals provided the cost of additional supply is ordinarily met by the beneficiary category."

3.2. Approach for True-up for FY 2014-15

The Commission had determined the ARR for the FY 2014-15 vide its Order dated 11th April 2014, and subsequently carried out the Review of FY 2014-15 vide its Order dated 31st March 2015. In its Petition no. 248/2017, the Petitioner had requested for a True-up of FY 2014-15 on the basis of provisional accounts. However, in the absence of audited accounts for the FY 2014-15, the Commission, in its previous Order dated 29th March, 2017 had decided not to undertake the True-up for the respective year and had directed the Petitioner as such:

"The Commission now directs the Petitioner to prepare and submit the accounts from FY 2014-15 onwards based on commercial principles by 30th November 2017. In the event of non-compliance by the Petitioner, the Commission shall be constrained to take appropriate action against the Petitioner.

The True-up would therefore be taken up only after submission of the audited accounts. Accordingly, the Commission has decided not to consider True-up for FY 2014-15 in the current Order."

The Commission has noted that the Petitioner has now in its Petition No. 248/2017 submitted the True-up Petition for the FY 2014-15 along with the audited accounts. In the True-up Petition, the Petitioner has submitted details of the expenditure and the revenue for the year based on its audited accounts along with a comparison of the actual revenue and expenditure against the corresponding figures previously approved by the Commission in the Tariff Order for FY 2014-15.

In this Chapter, the Commission has analysed various elements of the actual revenue and expenses for the FY 2014-15 based on the audited accounts submitted by the Petitioner, and has carried out the True-up exercise, after prudence check, and has allowed necessary adjustments in cases where variations are for reasonable and justifiable reasons.

3.3. Energy Sales

Petitioner's Submission:

The actual energy sales were 229.46 MUs for the FY 2014-15, as against 231.49 MUs approved earlier by the Commission vide Tariff Order dated 11th April 2014.

Commission's Analysis:

The Commission had approved the sales of 231.49 MUs in its Tariff Order dated 11th April 2014 for FY 2014-15 which was later revised to 223.81 MUs based on the Annual Performance Review conducted in the Tariff Order dated 31.03.2015. The actual claim of sales as per the audited accounts i.e. 229.46 MUs is slightly lower that the approved sales for FY 2014-15.

The Commission notes that the energy audit report has not been submitted by the Petitioner. Also, there is no mention of the category-wise sales in the audited accounts submitted by the Petitioner. In the absence of supporting documents to validate the sales quantum, the Commission is constrained to accept the energy sales at 229.46 MUs as submitted by the Petitioner for the purpose of True-up of FY 2014-15, as shown in the following Table:

Table 6: Sales approved by the Commission in the True-up of FY 2014-15 (in MU)

Consumer Categories	Approved in Tariff Order dated 11 th April 2014	Approved in APR Order dated 31st March 2015	Petitioner's submission (True-up)	Approved by the Commission (True-up)
Domestic	117.18	113.13	115.54	115.54
Commercial	58.96	58.68	60.69	60.69
Industrial	13.97	12.73	13.38	13.38
Bulk supply	31.01	29.06	29.93	29.93
Public lighting	9.42	9.34	9.05	9.05
Irrigation Pumps & Agriculture	0.94	0.87	0.87	0.87
Grand total	231.49	223.81	229.46	229.46

Therefore, the Commission approves the total sales of 229.46 MU in the True-up of FY 2014-15.

3.4. Number of Consumers

Petitioner's Submission:

The actual number of consumers were 1,19,661 for the FY 2014-15, as against 1,16,233 approved earlier by the Commission vide Tariff Order dated 11th April 2014.

Commission's Analysis:

The Petitioner has not submitted any supporting documents to validate its claim. However, the Commission is constrained to accept the number of consumers at 1,19,661 as submitted by the Petitioner for the purpose of True-up, as shown in the following Table:

Table 7: Number of consumers approved by the Commission in the True-up of FY 2014- 15

Consumer Categories	Approved in Tariff Order dated 11th April 2014	Approved in APR Order dated 31 st March 2015	Petitioner's submission (True-up)	Approved by the Commission (True-up)
Domestic	96,799	1,02,652	99,888	99,888
Commercial	17,910	18,257	18,304	18,304
Industrial	511	525	533	533
Public lighting	716	674	624	624
Irrigation Pumps & Agriculture	218	237	251	251
Bulk supply	79	60	61	61

Consumer Categories	Approved in Tariff Order dated 11 th April 2014	Approved in APR Order dated 31st March 2015	Petitioner's submission (True-up)	Approved by the Commission (True-up)
Grand total	1,16,233	1,22,405	1,19,661	1,19,661

Therefore, the Commission approves the total number of consumers as 1,19,661 in the True-up of FY 2014-15.

3.5. Connected Load

Petitioner's Submission:

The actual connected load was 1,82,733 kW for the FY 2014-15, as against 1,93,955 kW approved vide Tariff Order dated 11th April 2014.

Commission's Analysis:

The Petitioner has not submitted any supporting documents to validate its claim. However, the Commission is constrained to accept the connected load as submitted by the Petitioner for the purpose of True-up as given in the following Table:

Table 8: Connected load approved by the Commission in the True-up of FY 2014-15 (in KW)

NW)				
Consumer Categories	Approved in Tariff Order dated 11 th April 2014	Approved in APR Order dated 31st March 2015	Petitioner's submission (True-up)	Approved by the Commission (True-up)
Domestic	1,03,088	1,03,088	1,08,899	1,08,899
Commercial	63,738	63,738	46,667	46,667
Industrial	11,030	11,030	14,038	14,038
Public lighting	4,284	4,284	2,556	2,556
Irrigation Pumps & Agriculture	901	901	699	699
Bulk supply	10,914	10,914	9,874	9,874
Grand total	1,93,955	1,93,955	1,82,733	1,82,733

Therefore, the Commission approves the total connected load as 1,82,733 kW in the True-up of FY 2014-15.

3.6. Power Purchase Quantum and Cost

Petitioner's Submission:

The energy requirement is met mainly from own generation apart from procurement of power from the IPPs and other generators. However, there is no availability of power from Central Generating Stations (CGS) or from other sources/ open market/ power exchanges, etc. The Petitioner has purchased power worth Rs. 241.68 crore against Rs. 182.18 crore approved earlier by the Commission. Further, the Petitioner has incurred fuel cost of Rs. 174.89 crore against Rs. 265.15 crore approved by the Commission in the Tariff Order dated 11th April 2014.

Commission's Analysis:

In the absence of details of Plant-wise units purchased from the IPPs and units generated from own generating stations in the Petition, the information was sought from the Petitioner for the FY 2014-15. The Petitioner was also requested to submit invoices of the IPPs for validating the claim of the Petitioner. In response to the Commission's query, the Petitioner has provided a summary of gross generation from own generating stations and IPPs but invoices against the power procured during the period were not provided.

Therefore, in the absence of adequate supporting documents, the Commission accepts and approves the quantum of power generation and purchase as submitted by the Petitioner for FY 2014-15 as part of the Additional Submission. The total power purchase cost and fuel cost has been considered as per the amount reflected in the audited accounts for FY 2014-15.

Accordingly, the Commission approves the power purchase quantum and cost for True-up of FY 2014-15 as given in the following Table:

Table 9: Power purchase quantum (in MU) and cost (in Rs. Crore) approved by the Commission in the True-up of FY 2014-15

Source	Capacity (MW)	Gross Generation (MU)	Energy received by licensee (MU)	Total (Rs. Crore)
Power purchase				
SPCL	20.00	94.80		241.68
HPP- I	5.00	5.22	172.25	
HPP-II	10.00	64.10		
HPP-III	1.00	4.41		
G/Charama (SPV) NTPC	5.00	6.95		
Total power purchase	41.00	175.49	172.25	241.68
Own generation				
Diesel	58.17	107.72	103.43	174.89

Source	Capacity (MW)	Gross Generation (MU)	Energy received by licensee (MU)	Total (Rs. Crore)
Renewable	5.25	11.16	11.02	0.00
Total own generation	63.42	118.88	114.45	174.89
Overall power purchase	104.42	294.37	286.70	416.57

The Commission would like to highlight that the approved cost towards own generation consists of cost incurred towards consumption of HSD oil and Lube oil only as per the audited accounts as the fixed cost incurred against own generation (i.e. O&M expenses, interest and finance charges, depreciation, interest on working capital etc.) has been considered and approved for the department as a whole in subsequent sections. Accordingly, no separate cost has been approved for own generation.

Therefore, the Commission approves the overall power generation and purchase cost of Rs. 416.57 crore in the True-up of FY 2014-15.

Renewable Power Purchase Obligations

As per Clause 1, Sub-clause (1) of the JERC for the State of Goa and UTs (Procurement of Renewable Energy) Regulations, 2010

"Each distribution licensee shall purchase electricity (in kWh) from renewable energy sources, at a defined minimum percentage of the total consumption of all the consumers in its area during a year."

The targets specified under the Sub Regulation (1) of the said Regulations were revised by way of the 3rd Amendment of the JERC Regulations, 2016 where the minimum quantum of RPO has been specified as a percentage of the total energy mix of consumption after excluding hydro power.

The actual availability of renewable power from NTPC Solar and KHEP and the consequential RPO compliance for the True-up of FY 2014-15 is tabulated as follows:

Table 10: Summary of RPO compliance

Description	FY 2014-15
Sales within the state (MU)	229.46
Hydro Power	11.02
Sales excluding Hydro power	218.44
RPO obligation (in %)	3.30%
- Solar	0.60%

Description	FY 2014-15
-Non-solar	2.70%
RPO obligation (in MU)	
- Solar	1.31
-Non-solar	5.90
RPO compliance (actual purchase)	
- Solar	6.96
-Non-solar	11.02
RPO compliance (REC certificate purchase)	
- Solar	0.00
-Non-solar	0.00
Total RPO compliance	
- Solar	6.96
-Non-solar	11.02
Shortfall/(Surplus) in RPO compliance	
- Solar	(5.65)
-Non-solar	(5.12)

The Commission observes that there is surplus compliance of both the Solar and Non Solar RPO by 5.65 MUs and 5.12 MUs respectively.

3.7. Intra-State Transmission and Distribution (T&D) Losses and Energy Balance

Petitioner's Submission:

The T&D losses for the FY 2014-15 were at 19.96% as against 17.00% approved by the Commission in its Tariff Order dated 11th April 2014.

Commission's Analysis:

As per Regulation 15 of the Tariff Regulations, 2009

"15. AT&C Losses

1. The licensee shall give information of total AT&C losses in Previous Year and Current Year and the basis on which such losses have been worked out.

- 2. The licensee shall also propose a loss-reduction programme for the ensuing year as well as for the next three years giving details of the measures proposed to be taken for achieving the same.
- 3. Based on the information furnished and field studies carried out and the loss reduction program proposed by the licensee, the Commission shall fix separate targets for reduction of transmission and distribution losses and for commercial efficiency for the period specified by the Commission:
- 4. Provided further that in the event of unbundling of the integrated utility, the Commission may fix separate transmission and distribution loss targets and commercial efficiency targets, as the case may be, for each successor licensee taking into account its area of operation, its consumer mix, state of the network, level of metering, metering initiatives planned, etc.
- 5. The licensee shall conduct regular energy audit to substantiate its estimation of T&D losses. The licensee shall also furnish six monthly energy audit reports to the Commission.
- 6. The energy audit report for the first six months of the year shall be provided by Novemberend of the same year. Similarly, energy audit report for the last six months of the year shall be provided by May-end of the next year.
- 7. In the absence of energy audit, the Commission may not accept the claim of the licensee and may proceed to fix the loss levels on the basis of any other information available and its own judgment."

The Commission, in its Tariff Order dated 11th April 2014, had approved the target Transmission and Distribution (T&D) loss level of 17.00% and had retained the loss level at 17.00% in the APR Tariff Order dated 31st March 2015.

For the purpose of True-up, the Commission has considered net generation/purchase as submitted by the Petitioner in the true-up. Considering actual sales of 229.46 MU and actual availability of 286.70 MU, as approved above, actual T&D loss comes to 19.96%. In view of the Petitioner's submission with respect to the difficult terrain and natural disasters witnessed in the past, the Commission is allowing higher than approved T&D of 19.96% for FY 2014-15. However, the Petitioner is directed to undertake adequate measures for meeting the T&D loss target approved for subsequent years, failing which suitable penalty shall be levied as per the provisions of applicable Regulations. The Commission has approved the actual T&D loss at 19.96%, as shown in the following Table:

Table 11: T&D losses approved by the Commission in the True-up of FY 2014-15

Particulars	Approved in Tariff Order dated 11 th April 2014	Approved in APR Order dated 31 st March 2015	Petitioner's submission (True-up)	Approved by the Commission (True-up)
Power purchase (in MU)	188.65	178.23	172.25	172.25
Own generation (in MU)	90.31	90.92	114.45	114.45

Particulars	Approved in Tariff Order dated 11 th April 2014	Approved in APR Order dated 31 st March 2015	Petitioner's submission (True-up)	Approved by the Commission (True-up)
Energy availability (in MU)	278.95	269.15	286.70	286.70
Energy sales (in MU)	231.49	223.81	229.46	229.46
T&D Losses (in MU)	47.41	45.84	57.24	57.24
T&D losses (in %)	17.00%	17.00%	19.96%	19.96%

Therefore, the Commission approves the Intra-State T&D loss level at 19.96% in the True-up of FY 2014-15.

The Commission notes that the Petitioner has not submitted Plant-wise power purchase bills for the whole year and breakup of quantum of power available from various sources. In response to the directions of the Commission for submission of energy audit report, the Petitioner has submitted that the same is under process. In the absence of energy audit report and other documentary evidences like power purchase invoices, etc., the actual loss level cannot be verified.

The Commission directs the Petitioner to submit source-wise power purchase bills from Independent Power Providers (IPP)/ Solar plants as well as actual Plant-wise generation of its generating stations along with True-up of future years. Also, the Petitioner is directed to undertake energy audit and submit a report along with Truing-up for the respective year.

3.8. Employee Expenses

Petitioner's Submission:

The Employee expenses of Rs. 77.10 crore for the FY 2014-15 have been incurred during the entire year, as reflected in the audited accounts.

Commission's Analysis:

The Commission had approved employee expenses of Rs 54.03 crore in the Tariff Order for FY 2014-15 which was later revised to Rs. 64.50 crore in the Annual Performance Review for the FY 2014-15 undertaken in the Order dated 31st March 2015 based on actuals of first six months submitted by the Petitioner.

The Petitioner has now submitted the audited accounts prepared on commercial principles. The Commission has analysed the information available in the audited accounts and found certain variations/discrepancies in the submissions of the Petitioner viz-a-viz the audited accounts.

The Commission has accordingly considered the employee expenses for the FY 2014-15 as per the audited accounts while incorporating corrections due to wrong classification

of employee expenses towards R&M expenses by the Petitioner, as shown in the following Table:

Table 12: Employee Expenses approved by the Commission in the True-up of FY 2014-15 (Rs. Crore)

Particulars	Approved in Tariff Order dated 11 th April 2014	Approved in APR Order dated 31st March 2015	Petitioner's submission (True-up)	Approved by the Commission (True-up)
Employee Expenses	54.03	64.50	77.10	73.61

Therefore, the Commission approves the employee expenses of Rs. 73.61 crore in the True-up of FY 2014-15.

3.9. Administrative and General (A&G) Expenses

Petitioner's Submission:

The A&G expenses of Rs 14.93 crores for the FY 2014-15 have been incurred during the year as reflected in the audited accounts. The details of A&G expense submitted by the Petitioner is provided in the following Table:

Table 13: A&G expenses as submitted by the Petitioner for FY 2014-15 (Rs. crore)

Particulars	Petitioner's Submission (True-up)
Rent, Rates and Taxes	0.001
Telephone, postage & telegrams	0.71
Conveyance & travel expenses	0.85
Publication	0.67
Advertisement	0.94
Office Expenses	11.77
A&G Expenses	14.93

Commission's Analysis:

The Commission had approved A&G expenses of Rs 2.68 crore in the Tariff Order of FY 2014-15. In view of the higher A&G expenses claimed by the Petitioner, a detailed break-up was sought from the Petitioner.

The Commission has analysed the information available in the audited accounts and found certain variations/discrepancies in the submissions of the Petitioner viz-a-viz the audited accounts. The Commission observed that the Petitioner has wrongly classified part of A&G expenses towards the employee expenses. The Commission has accordingly considered the A&G expenses for the FY 2014-15 as per the audited accounts submitted by the Petitioner while incorporating corrections due to wrong classification by the Petitioner, as shown in the following Table:

Table 14: A&G expenses approved by the Commission in the True-up of FY 2014-15 (Rs. Crore)

Particulars	Approved in the Tariff Order dated 11 th April 2014	Approved in APR Order dated 31st March 2015	Petitioner's submission (True-up)	Approved by the Commission (True-up)
A&G expenses	2.68	1.30	14.93	29.87

Therefore, the Commission approves the A&G expenses of Rs. 29.87 crore in the True-up of FY 2014-15.

3.10. Repair and Maintenance (R&M) expenses

Petitioner's Submission:

R&M expenses of Rs. 19.68 crore have been incurred in the FY 2014-15, as reflected in the audited accounts.

Commission's Analysis:

The Commission had approved R&M expenses of Rs. 38.30 crore in the Tariff Order of FY 2014-15. R&M expenses were revised to Rs. 38.98 crore in the APR Order dated 31st March 2015 based on provisional accounts submitted by the Petitioner.

The Commission has analysed the information available in the audited accounts and found certain variations/discrepancies in the submissions of the Petitioner viz-a-viz the audited accounts. The Commission observed that the Petitioner has wrongly classified part of employee cost under the R&M expenses. The Commission has accordingly considered the R&M expenses for FY 2014-15 as per the audited accounts submitted by the Petitioner while incorporating corrections due to wrong classification by the Petitioner as shown in the following Table:

Table 15: R&M expenses approved by the Commission in the True-up of FY 2014-15 (Rs. Crore)

Particulars	Approved in Tariff Order dated 11 th April 2014	Approved in APR Order dated 31 st March 2015	Petitioner's submission (True-up)	Approved by the Commission (True-up)
R&M expenses	38.30	38.98	19.68	8.24

Therefore, the Commission approves the R&M expenses of Rs. 8.24 crore in the True-up of FY 2014-15.

The following Table captures the Employee Expenses, R&M Expenses and A&G Expenses as submitted by the Petitioner and as approved by the Commission:

Table 16: 0&M Expenses approved by the Commission in the True-up of FY 2014-15 (Rs. Crore)

Particulars	Approved in Tariff Order dated 11th April 2014	Petitioner's submission (True-up)	Approved by the Commission (True-up)
Employee Expenses	54.03	77.10	73.61
R&M Expenses	38.30	19.68	8.24
A&G Expenses	2.68	14.93	29.87
O&M Expenses	95.01	111.71	111.72

Therefore, the Commission approves 0&M expenses of Rs. 111.71 crore in the True-up of FY 2014-15.

3.11. GFA, Capitalisation and Depreciation

Petitioner's Submission:

The opening Gross Fixed Assets (GFA) of Rs. 112.57 crores, additions in GFA of Rs. 18.23 crores and closing GFA of Rs. 130.80 crore for the FY 2014-15 have been submitted, on the basis of the audited accounts. The Petitioner has further submitted that it has booked depreciation of Rs. 3.55 crore in the FY 2014-15.

Commission's Analysis:

The Commission has considered the closing value of GFA approved in the True-up of FY 2013-14 in the Tariff Order dated 29th March, 2017 as opening value of GFA for the FY 2014-15. Additions to GFA are approved as per the audited accounts for the FY 2014-15.

The Commission, accordingly, has considered the value of GFA for the FY 2014-15 as given in the following Table:

Table 17: GFA approved by the Commission in the True-up of FY 2014-15 (Rs. Crore)

Particulars	Approved in the Tariff Order dated 11th April 2014	Petitioner's submission (True-up)	Approved by the Commission (True-up)
Opening GFA	125.65	112.57	112.57
Addition during the year	13.95	18.23	18.23
Closing GFA	139.60	130.80	130.80

As per Regulation 26 of the Tariff Regulations, 2009,

"26. Depreciation

(1) For the purpose of tariff, depreciation shall be computed in the following manner:

(i) The value base for the purpose of depreciation shall be the historical cost of the assets, that is actual expenses limited to approved capital cost where such capital cost has been approved by the Commission:

Provided that land is not a depreciable asset and its cost shall be excluded from the capital cost while computing depreciation.

- (ii) The historical cost of the asset shall include additional capitalization.
- (iii) The historical cost shall include foreign currency funding converted into equivalent rupees at the exchange rate prevalent on the date when foreign currency was actually availed but not later than the date of commercial operation.
- (iv) Depreciation for generation and transmission assets shall be calculated annually as per straight-line method over the useful life of the asset at the rate of depreciation specified by the Central Electricity Regulatory Commission from time to time.

Provided that the total depreciation during the life of the asset shall not exceed 90% of the original cost.

Depreciation for distribution and other assets not covered by CERC shall be as per Government of India norms of 1994 as may be revised by the Commission from time to time."

As part of Review of the ARR for FY 2014-15 conducted in the Tariff Order dated 31st March 2015, the Commission had approved depreciation for the year at Rs. 7.51 crore using CERC depreciation rates.

However, for the True-up, the Commission has not applied the applicable CERC rates on the average assets in place as some of these assets have already attained 90% limit of depreciation during the life of the asset. As the details with respect to assets which have been depreciated to the extent of 90% are not available, the Commission has approved depreciation as per the audited accounts for the True-up of FY 2014-15 as follows:

Table 18: Asset-wise depreciation approved by the Commission in the True-up of FY 2014-15 (Rs. Crore)

	2014 15 (13: 61016)						
S. No.	Particulars	Opening GFA	Additions	Closing GFA	Average assets	Rate of depreciation	Depreciation
1	Plant & machinery	53.52	17.95	71.47	62.50	3.13%	1.95
2	Buildings	36.43	0.00	36.43	36.43	1.83%	0.67
3	Vehicles	6.42	0.00	6.42	6.42	5.64%	0.36
4	Furniture and fixtures	1.33	0.03	1.36	1.35	3.53%	0.05
5	Computers & others	14.88	0.25	15.13	15.01	3.48%	0.52
7	Total	112.58	18.23	130.81	121.69	2.92%	3.55

The depreciation as submitted by the Petitioner and that approved by the Commission for FY 2014-15 is as follows:

Table 19: Depreciation approved by the Commission in the True-up of FY 2014-15 (Rs. Crore)

Particulars	Approved in Tariff Order dated 11 th April 2014	Approved in APR Order dated 31 st March 2015	Petitioner's submission (True-up)	Approved by the Commission (True-up)
Depreciation	5.95	7.51	3.55	3.55

Therefore, the Commission approves the depreciation at Rs. 3.55 crore in the Trueup of FY 2014-15.

3.12. Interest and Finance Charges

Petitioner's Submission:

Being a government department, the entire capital employed till date has been funded through equity infusion by the Central Government through budgetary support without any external borrowings. However, the interest and finance charges arrived at, are based on normative loan considered to the extent of capitalisation during the year. Further, these charges factor in an addition in the gross fixed assets to the extent of assets capitalised for the FY 2014-15, which are considered funded through normative debt to the tune of 70% in line with the Tariff Regulations. The rate of interest considered is the prevailing Prime Lending Rate of the State Bank of India as on 1st April of that relevant year. Accordingly, the Petitioner has claimed interest and finance charges of Rs. 11.98 crore for FY 2014-15.

Commission's Analysis:

As per Regulation 25 of the Tariff Regulations, 2009:

- 1. "For existing loan capital interest and finance charges on loan capital shall be computed on the outstanding loans, duly taking into account the rate of interest and schedule of repayment as per the terms and conditions of relevant agreements.
- 2. Interest and finance charges on loan capital for new investments shall be computed on the loans, duly taking into account the rate of interest and the schedule of repayment as per the terms and conditions of relevant agreements. The rate of interest shall, however, be restricted to the prevailing Prime Lending Rate (PLR) of the State Bank of India."

Further, as per Regulation 23 of the Tariff Regulations 2009:

"23. Debt-Equity Ratio

1. For the purpose of determination of tariff, debt-equity ratio in case of existing, ongoing as well as new projects commencing after the date of notification of these Regulations shall be 70:30. Where equity employed is more than 30%, the amount of equity for the purpose of tariff shall be limited to 30% and the balance amount shall

- be considered as loan. Where actual equity employed is less than 30%, the actual debt and equity shall be considered for determination of tariff,
- 2. Provided that the Commission may, in appropriate cases, consider equity higher than 30% for the purpose of determination of tariff, where the generating company or the licensee is able to establish to the satisfaction of the Commission that deployment of equity more than 30% is in the interest of the general public.
- 3. The debt and equity amounts arrived at in accordance with sub-regulation (1) above shall be used for all purposes including for determining interest on loan, return on equity, Advance against Depreciation and Foreign Exchange Rate Variation.
- 4. Provided that in the case of an Integrated Utility, till the time it remains Integrated Utility, it shall be entitled to return on its capital base as per Schedule VI to the repealed Electricity (Supply) Act, 1948."

The Petitioner has submitted an opening normative loan of Rs. 78.80 Cr for FY 2014-15 without providing any justification for the same. While undertaking the Truing up for FY 2012-13 and FY 2013-14 in the Tariff Order dated 29th March 2017, the Commission had stated as below:

"3.12......

The above stated Regulations prescribe the debt-equity ratio for the assets deployed, post the commencement of the Tariff Regulations, 2009. However, for ED-A&N, as the audited accounts are not available prior to FY 2012-13, the Commission finds it appropriate not to consider any loan for capitalisation prior to FY 2012-13.

Therefore, opening normative loan for FY 2012-13 is taken as NIL and the normative interest on loan has been considered only on the assets created during the year FY 2012-13 onwards as per audited accounts."

Therefore, for the True-up of FY 2014-15, the Commission has considered the closing balance of Trued-up normative loan of FY 2013-14 as the opening normative loan for FY 2014-15.

The Commission, for the purpose of funding of capitalisation, has considered normative debt equity ratio of 70:30, whereby it has considered the addition in normative loan at Rs. 12.76 crore (70% of Rs. 18.23 crore). The Commission has considered weighted average rate of SBI PLR towards the interest rate for the year and repayment has been considered at 10% of the opening loan. The interest calculation is given in the following Table:

Table 20: Normative interest on loan approved by the Commission in the True-up of FY 2014-15 (Rs. Crore)

Particulars	Approved in Tariff Order dated 11 th April 2014	Petitioner's submission (True-up)	Approved by the Commission (True-up)
Opening normative loan	81.71	78.80	6.05
Add: Normative loan during the year	9.77	12.76	12.76

Particulars	Approved in Tariff Order dated 11 th April 2014	Petitioner's submission (True-up)	Approved by the Commission (True-up)
Less: Normative repayment allowed during previous years	-	14.64	-
Less: Normative repayment 10% of opening loan	8.17	7.88	0.61
Closing normative loan	83.30	83.68	18.20
Average normative loan	82.51	81.24	12.12
Rate of interest	14.75%	14.75%	14.75%
Interest on normative loan	12.17	11.98	1.79

Therefore, the Commission approves the interest on loan at Rs. 1.79 crore in the True-up of FY 2014-15.

3.13. Interest on Security Deposit

Petitioner's Submission:

The Petitioner has not claimed any interest on consumer security deposit.

Commission's Analysis:

As per Regulation 6.10 (8) of the JERC for the State of Goa and UTs (Electricity Supply Code) Regulations, 2010

"The distribution licensee shall pay interest, at the bank rate notified by the Reserve Bank of India from time to time on such security deposits taken from the consumer. In this regard it shall be the responsibility of the licensee to keep a watch on the bank rate from time to time. The interest amount of previous financial year shall be adjusted in the energy bill issued in May / June of each financial year depending on billing cycle."

The Commission has observed that the Security Deposit of Rs. 1.94 Cr is available to the Petitioner as per audited accounts. As per Section 47 (5) of the Electricity Act, 2003, the Petitioner has to pay the interest on the security deposits available with it and the same shall be claimed in the ARR filed by the Petitioner. The Petitioner shall maintain the register of security deposits collected from the consumers every year and pay the interest as per the bank rate of interest. However, the Petitioner has not considered any interest, on the plea that the deposits are in the form of Fixed Deposits Receipts (FDR) and interest is directly added to the account of the consumers.

Therefore, the Commission has not approved any interest on security deposits of the consumers in the True-up of FY 2014-15.

3.14. Interest on Working Capital

Petitioner's Submission:

Interest on Working Capital has been claimed in accordance with Regulation 29 of the Tariff Regulations 2009. The State Bank of India's Prime Lending Rate as on 1st April 2014 is considered for computation of Interest on Working Capital in line with the provisions of the Tariff Regulations, 2009. Accordingly, the Petitioner has claimed Rs. 6.49 crore as Interest on Working Capital.

Commission's Analysis:

As per Regulation 29 of the Tariff Regulations 2009,

- "3) Subject to prudence check, the working capital for integrated utility shall be the sum of one month requirement for meeting:
 - a. Power purchase cost
 - b. Employees cost
 - c. Administration & general expenses
 - d. Repair & Maintenance expenses
 - e. Sum of two month requirement for meeting fuel cost
- 4) The rate of interest on working capital shall be equal to the short term Prime Lending Rate of State Bank of India on the 1st April of the relevant financial year. The interest on working capital shall be payable on normative basis notwithstanding that the generating company / licensee has not taken working capital loan from any outside agency or has exceeded the working capital loan amount worked out on the normative figures."

For the True-up, the Commission has considered the calculation of different components of the Working Capital on the basis of the above-stipulated norms. The Commission also notes that the amount collected from the consumers as security deposit is in the form of FDR and hence, is not available with the Petitioner. In accordance with Section 47(4) of the Electricity Act, 2003, the distribution licensees are required to pay interest on the security deposit collected from the consumers. As no separate approval of the interest on consumer security deposit is allowed, the Commission considers that the security deposit as on 31st March 2014 is not available with the Petitioner to support the Working Capital requirement for the FY 2014-15, and hence has not deducted this amount from the Working Capital requirement considered for True-up of FY 2014-15. The Commission has considered the weighted average rate of SBI PLR for the year for computation of Interest on Working Capital for True-up of FY 2014-15.

Detailed calculation of Interest on Working Capital is given in the following Table:

Table 21: Interest on Working Capital approved by the Commission in the True-up of FY 2014-15 (Rs. Crore)

Particulars	Approved in the Tariff Order dated 11th April 2014	Petitioner's submission (True-up)	Approved by the Commission (True-up)
Fuel cost for 2 months	44.19	14.57*	29.15
Power purchase cost for one month	15.18	20.14	20.14
Employee cost for one month	4.50	6.43	6.13
A&G expenses for one month	0.22	1.24	2.49
R&M expenses for one month	3.19	1.64	0.69
Total working capital	67.29	44.02	58.60
Security deposit	1.34	0.00	0.00
Total working capital after deduction of SD	65.95	44.02	58.60
SBAR rate (%)	14.75%	14.74%	14.75%
Interest on working capital	9.73	6.49	8.64

^{*} The Petitioner had considered fuel cost for 1 month only.

Therefore, the Commission approves the Interest on Working Capital at Rs. 8.64 crore in the True-up of FY 2014-15.

3.15. Return on Capital Base

Petitioner's Submission:

The capital-based return of Rs 1.83 crore has been claimed in the True-up of FY 2014-15.

Commission's Analysis:

As per Regulation 23 of the Tariff Regulations, the Petitioner is entitled to a return on its capital base. The Commission finds it appropriate to approve the return on capital base, on the basis of GFA and cumulative depreciation as on 1st April 2014 (as reflected in the audited accounts submitted by the Petitioner) as per the following Table:

Table 22: Return on Capital Base approved by the Commission in the True-up of FY 2014-15 (Rs. crore)

Particulars	Approved in Tariff Order dated 11 th April 2014	Petitioner's submission (True-up)	Approved by the Commission (True-up)
Gross block at beginning of the year	125.65	112.57	112.57
Less accumulated depreciation	7.49	51.52	51.52

Particulars	Approved in Tariff Order dated 11 th April 2014	Petitioner's submission (True-up)	Approved by the Commission (True-up)
Net block at beginning of the year	118.16	61.05	61.05
Less: Accumulated consumer contribution	0.00	0.00	0.00
Net fixed assets at beginning of the year	118.16	61.05	61.05
Reasonable return @3% of NFA	3.54	1.83	1.83

Therefore, the Commission approves the return on capital base of Rs. 1.83 crore in the True-up of FY 2014-15.

3.16. Provision for bad and doubtful debts

Petitioner's Submission:

ED-A&N has not made a provision for bad and doubtful debts for FY 2014-15.

Commission's Analysis:

The Commission is of the view that Tariff Regulations, 2009, allows a provision for bad and doubtful debts up to 1% of receivables in the ARR.

It is observed however that the Petitioner has not actually written off any bad debt and the Commission finds it appropriate not to consider any bad and doubtful debts for the True-up of FY 2014-15.

3.17. Non-Tariff Income

Petitioner's Submission:

A Non-Tariff Income (NTI) of Rs 1.39 crore has been claimed in the True-up of FY 2014-15 as against an amount of Rs. 2.20 crore approved in the Tariff Order dated 11th April, 2014 for FY 2014-15.

Commission's Analysis:

The Commission approves the Non-Tariff Income at Rs 1.39 crore as per the audited accounts for the True-up of FY 2014-15 as follows:

Table 23: Non-Tariff Income approved by the Commission in the True-up of FY 2014-15 (Rs. Crore)

Particulars	Approved in Tariff Order dated 11 th April 2014	Approved in APR Order dated 31 st March 2015	Petitioner's submission (True-up)	Approved by the Commission (True-up)
Non-tariff Income	2.20	2.45	1.39	1.39

Therefore, the Commission approves the Non-Tariff Income of Rs. 1.39 crore in the True-up of FY 2014-15.

3.18. Aggregate Revenue Requirement

Petitioner's Submission:

Aggregate Revenue Requirement, as approved by the Commission, in the Order dated $11^{\rm th}$ April 2014 was Rs 571.65 crore. In the current Petition, the Petitioner, on the basis of the True-up of FY 2014-15, requests the Commission to approve the ARR at Rs. 550.75 crore.

Commission's Analysis:

Based on the detailed analysis of all the expenditure heads of the ARR in the preceding sections, the Commission approves the Trued-up ARR of FY 2014-15 at Rs. 542.70 crore as given in the following Table:

Table 24: ARR approved by the Commission in the True-up of FY 2014-15 (Rs. Crore)

Particulars	Approved in Tariff Order dated 11 th April 2014	Approved in APR Order dated 31 st March 2015	Petitioner's submission (True-up)	Approved by the Commission (True-up)
Cost of fuel	265.15	180.55	174.89	174.89
Cost of power purchase	182.18	281.55	241.68	241.68
Employee expenses	54.03	64.50	77.10	73.61
R&M expenses	38.30	38.98	19.68	8.24
A&G expenses	2.68	1.30	14.93	29.87
Depreciation	5.95	7.51	3.55	3.55
Interest and finance charges	12.17	21.40	11.98	1.79
Interest on working capital	9.73		6.49	8.64
Interest on consumer security deposit	0.12	0.00	0.00	0.00
Return on capital base	3.54	2.99	1.83	1.83
Provision for bad debt	0.00	0.00	0.00	0.00

Particulars	Approved in Tariff Order dated 11 th April 2014	Approved in APR Order dated 31 st March 2015	Petitioner's submission (True-up)	Approved by the Commission (True-up)
Total revenue requirement	573.85	598.78	552.14	544.10
Less: Non-tariff income	2.20	2.45	1.39	1.39
Net revenue requirement	571.65	596.33	550.75	542.70

3.19. Revenue at approved Tariff for True-up of FY 2014-15

Petitioner's Submission:

The revenue from tariff for the FY 2014-15 was Rs. 106.26 crore.

Commission's Analysis:

The Commission has verified the revenue from retail sale of power from the audited accounts and approves Rs. 106.26 crore as revenue from sale of power for FY 2014-15.

Table 25: Revenue from sale of power approved by the Commission in the True-up of FY 2014-15 (Rs. Crore)

Particulars	Approved in the Tariff Order dated 11th April 2014	Approved in APR Order dated 31 st March 2015	Petitioner's submission (True-up)	Approved by the Commission (True-up)
Revenue from sale of power	112.24	106.45	106.26	106.26

3.20. Revenue Gap

Petitioner's Submission:

The revenue gap approved by the Commission in the Order dated 11th April 2014 was Rs. 459.41 crore. The revenue gap calculated by the Petitioner on the basis of True-up for FY 2014-15 is Rs. 444.49 crore. The Commission is requested to approve the same in the True-up of FY 2014-15.

Commission's Analysis:

The Commission has approved the revenue gap/(surplus) as per the following Table:

Table 26: Net revenue gap approved by the Commission in the True-up of FY 2014-15 (Rs. Crore)

Particulars	Approved in Tariff Order dated 11 th April 2014	Approved in APR Order dated 31 st March 2015	Petitioner's submission (True-up)	Approved by the Commission (True-up)
Net revenue requirement	571.65	596.33	550.75	542.70
Revenue from sale of power	112.24	106.45	106.26	106.26
Revenue gap	459.41	489.88	444.49	436.44

The Petitioner has not proposed to carry forward the gap of FY 2014-15 for recovery in the FY 2018-19 and has requested for only partial recovery of the standalone gap of FY 2018-19 through nominal tariff hike, the remaining being met through budgetary support of the Government.

Therefore, the Commission approves the revenue gap of Rs 436.44 crore in the True-up of FY 2014-15 to be met from the budgetary support of the Government.

Chapter 4: Annual Performance Review of FY 2017-18

4.1. Applicable Provisions of the MYT Regulations, 2014

The Review of FY 2017-18 is to be carried out as per the following provisions of Regulation 8 of the JERC for the State of Goa and Union Territories (except Delhi) (Multi Year Distribution Tariff) Regulations, 2014 herein referred to as the MYT Regulations, 2014:

- "(1) The Commission shall undertake a Review along with the next Tariff Order of the expenses and revenue approved by the Commission in the Tariff Order. While doing so, the Commission shall consider variations between approvals and revised estimates/actuals of sale of electricity, income and expenditure for the relevant year and permit necessary adjustments/ changes in case such variations are for adequate and justifiable reasons. Such an exercise shall be called 'Review'.
-(3) The revenue gap/surplus, if any, of the ensuing year shall be adjusted as a result of Review and Truing up exercises.
- (4) While approving such expenses/revenue to be adjusted in the future years as arising out of the Review and/or Truing-up exercises, the Commission may allow the carrying costs as determined by the Commission of such expenses/revenue. Carrying costs shall be limited to the interest rate approved for working capital borrowings.
- (5) For any revision in approvals, the licensee would be required to satisfy the Commission that the revision is due to conditions beyond its control.
- (6) In case additional supply is required to be made to any particular category, the licensee may, any time during the year make an application to the Commission for its approval. The application will demonstrate the need for such additional supply of power and also indicate the manner in which the licensee proposes to meet the cost for such additional supply of power."

4.2. Approach for the Review of FY 2017-18

Petitioner's Submission:

The ARR for the MYT Control Period (FY 2016-17 to FY 2018-19) was approved by the Commission vide MYT order dated 06th April 2016 along with the Tariff for the FY 2016-17. In accordance with the Regulation 8 (1) of the JERC MYT Regulations, 2014, the Petitioner has filed for the Annual Performance Review for the FY 2017-18.

No revision has been proposed in the energy sales, number of consumers and connected load as compared with those approved by the Commission in the MYT Order dated 6th April 2016. The Petitioner has revised Employee expenses, R&M expenses and A&G expenses based on the budget estimates for FY 2017-18. Keeping the T&D losses and other expenditure at the same level as approved in the MYT Order dated 6th April 2016, the Petitioner has computed the revised ARR for the FY 2017-18.

Furthermore, the Petitioner has also submitted the revised revenue from sale of power and revenue gap for the year. The Aggregate Revenue Requirement for FY 2017-18 on the basis of revised estimates is shown in the following Table:

Table 27: Aggregate Revenue Requirement as proposed by the Petitioner for FY 2017-18

Particulars	Approved in MYT Order dated 6 th April 2016	Petitioner's submission (APR)
Cost of fuel	132.35	132.35
Cost of power purchase	216.72	216.72
Employee expenses	55.61	84.81
R&M expenses	41.31	21.65
A&G expenses	1.83	16.42
Depreciation	10.75	10.75
Interest and finance charges	18.80	18.80
Interest on working capital	4.89	5.53
Interest on consumer security deposit	0.00	0.00
Return on capital base	10.34	10.34
Provision for bad debt	0.00	0.00
Total revenue requirement	492.59	517.37
Less: Non-tariff income	2.67	1.53
Net revenue requirement	489.92	515.83

Commission's Analysis:

The Commission, in the MYT Order dated 06th April 2016, had considered the island-wise sales, T&D losses and energy requirement based on historical data. The Commission had sought similar details of island-wise actuals for the first half of FY 2017-18 during the Technical Validation Session. However, the Petitioner expressed its inability to provide the requisite information. In the absence of the island-wise break-up, undertaking a review on the basis of consolidated information shall be a retrograde step in terms of the actual assessment of performance and approval thereof.

The Commission, therefore, directs the Petitioner to maintain the island-wise technical information (i.e. category-wise sales, number of consumers, connected load, T&D losses,

plant-wise generation/purchase) on monthly basis and submit such information to enable the Commission to undertake the Annual Performance Review/True-up as per the provisions of the Regulations in future.

Further, Regulation 8(1) of the MYT Regulations, 2014 states the following:

"(1) The Commission shall undertake a review along with the next Tariff Order of the expenses and revenue approved by the Commission in the Tariff Order. While doing so, the Commission shall consider variations between approvals and revised estimates/actuals of sale of electricity, income and expenditure for the relevant year and permit necessary adjustments/ changes in case such variations are for adequate and justifiable reasons. Such an exercise shall be called 'Review'."

As per these provisions of the MYT Regulations, 2014, any review of approved parameters shall be undertaken based on variations which are for adequate and justifiable reasons. The Commission observes that the Petitioner has not requested for any revision in the uncontrollable parameters like sales or fuel costs. Also, the proposed revisions in employee, R&M and A&G expenses are also not substantiated by adequate reasoning and workings by the Petitioner.

In view of the reasons stated above, the Commission shall consider the actual performance at the time of True-up of FY 2017-18 once the audited accounts and islandwise information as directed above is submitted by the Petitioner.

Accordingly, the Commission has decided not to consider the Annual Performance Review of FY 2017-18.

Chapter 5: Approval of ARR for FY 2018-19

5.1. Approach for approval of ARR for FY 2018-19

The Petitioner has submitted the same ARR for the FY 2018-19 as approved in the MYT Order dated 06th April 2016 and has not sought any variation in any expense component. However, the Petitioner has now recomputed the revenue from the sale of power on the basis of the revised Tariff approved by the Commission in its previous Tariff Order. As the Commission is not undertaking any review for the FY 2017-18 for the reasons detailed in the Previous Chapter, the Commission is retaining the projections and consequently costs/revenue for the FY 2018-19 at the same level as approved in the MYT Order dated 06th April 2016.

5.2. Aggregate Revenue Requirement (ARR)

Petitioner's Submission:

The ARR submitted for the FY 2018-19 is the same as that approved in the MYT Order dated 6^{th} April 2016 by the Commission.

Commission's Analysis:

As detailed in the previous Chapter, the Commission is not undertaking any review of FY 2017-18. Since no review is being done by the Commission, the Commission finds no justification for revising the ARR of FY 2018-19 and accordingly, has decided to retain the same ARR as approved in the MYT Order dated 6th April 2016 for FY 2018-19 as shown in the following Table:

Table 28: ARR approved by the Commission for FY 2018-19 (Rs. crore)

Sr. No	Particulars	Approved in MYT Order Dated 06 th April 2016 for FY 2018- 19	Petitioner's Submission (ARR)	ARR considered by the Commission in present Order
1	Cost of fuel	142.87	142.87	142.87
2	Cost of power purchase	216.72	216.72	216.72
3	Employee expenses	54.94	54.94	54.94
4	R&M expenses	41.31	41.31	41.31
5	A&G expenses	1.91	1.91	1.91
6	Depreciation	11.73	11.73	11.73
7	Interest on loan	19.21	19.21	19.21
8	Interest on consumer security deposit	0.00	0.00	0.00
9	Interest on working capital	5.00	5.00	5.00
10	Return on equity	11.30	11.30	11.30
11	Provision for bad debt	0.00	0.00	0.00
12	Total revenue requirement	504.98	504.98	504.98
13	Less: Non-tariff income	2.73	2.73	2.73
14	Net revenue requirement	502.25	502.25	502.25

5.3. Revenue at Existing Tariff and Gap

Petitioner's Submission:

The estimated revenue at the existing tariff for FY 2018-19 and the resultant gap is provided in the following Table:

Table 29: Revenue gap submitted by the Petitioner for FY 2018-19 (Rs. crore)

Sr. No	Particulars	FY 2018-19
1	Net revenue requirement	502.25
2	Revenue from sale of power	177.53
3	Net gap during the year	324.72

Commission's Analysis:

The slab wise details of sales was provided by the Petitioner as part of the additional submissions. During the discussions with the Petitioner, it was pointed out that the

proportion of sales across slabs was based on the 2 months actual sales information for FY 2017-18. As the slab-wise sales information submitted by the Petitioner differed significantly with the sales proportion considered in the past Orders, the Commission is of the view that the same may not be an appropriate representation for the entire year.

Due to reasons stated above, the Commission has continued with the slab-wise proportion considered in the previous Tariff Order for computing the revenue at existing tariff for FY 2018-19. The approved revenue at existing tariff is given as follows:

Table 30:Revenue at existing tariff approved by the Commission for FY 2018-19

		Energy		Existing tariff		
S. No.	Category	sales (In MU)	Energy charges (in Rs /Unit)	Minimum charge per connected load or part thereof per month	Energy charge (Rs. Cr)	Total revenue (Rs. Cr)
1	Domestic					
	-0 to 100 units	75.28	2.05	Rs. 30.00 per KVA	15.43	
	-101 to 200 units	45.17	4.40	connected load or part	19.88	
	-201 units & above	30.11	6.30	thereof per month	18.97	
Sub-	Total	150.56			54.28	54.28
2	Commercial					
	-0 to 200 units	23.46	6.65	Rs 50.00 per KVA	15.60	
	-201 to 500 units	8.60	8.30	connected load or part	7.14	
	-501 units & above	7.04	9.60	thereof per month	6.76	
Sub-	Total	39.11			29.50	29.50
3	Government Connections					
	-0 to 500 units	5.58	8.30	D - 50 LIAI /LIA	4.63	
	-501 units & above	22.30	9.60	Rs. 50 per kW/kVA	21.41	
Sub-	Sub-Total				26.04	26.04
3	Industrial					
	-0 to 500 units	12.31	5.70	a. Rs 50.00 per H.P. Connected load or part thereof.	7.02	
	-501 units & above	6.62	6.80	b. Rs 200.00 per month for rice, flour millers of rural areas with 15 HP capacity	4.50	
Sub-T	otal	18.93			11.52	11.52
4	Public lighting					
	All units	9.70	5.80	Rs 60.00 per KVA connected load or part thereof per month	5.63	5.63
4	Irrigation Pumps & Agriculture					
	All units	0.87	1.60	Rs 15.00 per KVA connected load or part thereof per month	0.14	0.14
6	Bulk supply					
	All units	31.82	11.30	Rs 50.00 per KVA connected load or part thereof	35.96	35.96
	Total	278.87			163.06	163.06

Keeping in view the ARR and revenue from sale of power approved above, the Commission hereby approves the revenue gap at existing tariff for FY 2018-19 as shown in the following Table:

Table 31: Revenue gap at existing tariff for FY 2018-19 (in Rs. Crore)

Sr.No.	Particulars	FY 2018-19
1.	Net Revenue Requirement	502.25
2.	Revenue from sale of power	163.06
3.	Net gap during the year	339.19
4.	Add: Previous year gap	0.00
5.	Total gap	339.19

The Commission has computed the Average Cost of Supply based on the expense and revenue components approved in previous sections as shown in the following Table:

Table 32: Average cost of supply approved by the Commission for FY 2018-19 (Rs./unit)

Sr.No.	Particulars	FY 2018-19
1.	Average Cost of Supply	18.01
2.	Average billing rate	5.85
3.	Net Gap	12.16

Chapter 6: Tariff Principles and Design

6.1. Preamble

The Commission, in determining the ARR and retail supply tariff for FY 2018-19, has been guided by the provisions of the Electricity Act, 2003, the Tariff Policy, Regulations on Terms and Conditions of Tariff issued by the Central Electricity Regulatory Commission (CERC), and the MYT Regulations, 2014 notified by the JERC under Section 64 of the Act which lay down the broad principles and guide determination of retail tariff.

6.2. Principles of Tariff Design

As per Regulation 36 (Cross Subsidy) of the MYT Regulations, 2014, Allocation of Cost to Serve and Tariff Design:

- a. The Commission shall gradually move towards reduction of cross subsidy in accordance with Electricity Act, Tariff Policy & such other guidelines of the government as applicable.
- b. The Distribution Licensee shall compute the consumer category-wise cost of supply as per the methodology elaborated below.
- c. **Allocation of Cost:** The Cost to serve shall be allocated to the consumer categories in the following manner:
 - **Step 1: Functional Demarcation of Cost** Total cost shall be divided on the basis of functions performed such as power purchase, distribution etc.
 - **Step 2: Classification of Cost** Each of the functionalized costs shall be further classified, based on its intrinsic nature into Demand related cost, Energy related cost and Customer related cost. Demand related costs shall generally be of fixed nature, related to capacity creation and shall include interest on capital borrowing, depreciation etc. Energy cost shall be related to quantum of electricity consumption of consumer, such as fuel cost, interest on working capital, etc. Consumer related cost shall include operating expenses associated with meter reading, billing and accounting.

Step 3: Allocation of Cost

- 1) Allocation of Demand Costs: Demand costs of all three functions shall be allocated among consumer categories on the basis of average coincident peak demand of the tariff categories (average of past 12 months). To facilitate determination of average coincident peak demand for the various tariff categories, load research shall be made an integral part of the operations of the DISCOMs and systematic load research exercises shall be initiated.
- 2) **Allocation of Energy Costs:** Energy related costs of Distribution functions shall be allocated to consumer categories on the basis of ratio of electricity consumption of each consumer category to the total electricity consumption under the purview of the

Distribution Licensee. Energy related costs of Power purchase shall be allocated to various tariff categories on the basis of block approach on merit order dispatch and incremental principle, where each tariff category shall be allocated the incremental (energy related) power purchase cost on the basis of their respective share in the incremental power purchase. For the purpose of operationalizing the block approach and incremental principle, the Commission shall identify and notify a suitable year as the "base year".

- 3) **Allocation of Customer Costs:** Customer related costs shall be allocated to consumer categories on the basis of the ratio of number of consumers in each category to total number of consumers under the purview of the Distribution Licensee.
- d. Summation of allocated Demand cost, Energy cost and Customer cost across functions shall be total Cost to serve for respective consumer categories. Cost to serve reduced by revenue from a consumer category shall give total subsidy for that category. Total subsidy for a consumer category reduced by Government subsidy, if any, shall be cross subsidy for that consumer category.
- e. The consumers below poverty line who consume power below a specified level, say 30 units per month, shall receive a special support through cross subsidy.
- f. Cross-subsidy surcharge and additional surcharge in Open Access
 - 1) The amount received or to be received by the licensee on account of cross-subsidy surcharge and additional surcharge, as approved by the Commission from time to time in accordance with Regulations specified by the Commission, shall be shown separately against the consumer category that is permitted open access as per the phasing plan.
 - 2) Cross-subsidy surcharge and additional surcharge shall be shown as revenue from the tariff from the consumer categories who have been permitted open access and such amount shall be utilised to meet the cross-subsidy requirements of subsidized categories and fixed costs of the Distribution Licensee arising out of his obligation to supply. Provided that the licensee shall provide such details in its annual filings.

g. Tariff Design

- 1) The Commission shall be guided by the objective that the tariff progressively reflects the efficient and prudent cost of supply of electricity.
- 2) After the costs have been allocated based on the method specified in clauses (c) and (d) above, tariffs for different consumer categories shall be designed with due regard to factors provided under Section 62(3) of the Act.
- 3) The time of day tariff would be structured across three time slabs to denote normal, peak and off-peak periods. The time-periods would vary according to different seasons of the year i.e. summer, winter and the monsoon season. The peak tariff would be 10%-20% higher than the normal tariff and the off-peak tariff would be priced 5%-10% lower than the normal tariff.

4) Time of Day tariff may be introduced in a phased manner, wherein in phase 1 it would be for HT Consumers, in phase 2 – for LT consumers consuming more than 25 KW and in phase 3 for LT consumers consuming more than 10 KW."

It may be noted that in case of Andaman and Nicobar islands, the source of power is own generation and purchase from SPCL, Hired Power Plants (HPP) and solar plant of NTPC.

Since sales are predominantly in the LT category, the Commission is of the view that the functional demarcation of costs will not have substantial impact on the present tariff structure. Additionally, due to practical constraints, open access is not an option for the consumers of Andaman and Nicobar Islands.

In view of the above, the tariff needs to be designed in such a way that cross subsidy between different categories of consumers is progressively brought within ±20% of Average Cost of Supply and that even for BPL category consumers, tariff rates are close to 50% of the Average Cost of Supply. The Commission has taken a considerate view in this regard balancing the interest of the utility and the consumer, thus compensating the department with additional revenue and providing a reasonable hike in consumers' tariff.

Accordingly, the Commission has designed tariff for different categories of consumers as brought out subsequently.

6.3. Tariff Proposal

Petitioner's Submission:

The Petitioner has proposed an increase of 0.71 paise per unit in the tariff for FY 2018-19 which constitutes 11.18% hike over the tariff of FY 2017-18.

Over 95% of the power is generated from diesel-based generating stations as there are no other sources of energy. The major component of cost of supply is the cost of HSD and lubricants. In this tariff proposal, partial recovery of the cost of supply is proposed and the balance is to be met from budgetary support from the Government. Additionally, it is submitted that in A&N islands, majority of the total energy consumption is by the domestic consumers.

At the proposed tariff, only 39.30% of the ARR would be recovered. At existing tariff, the cost of supply comes to Rs. 18.01 per unit while ABR (Average Billing Rate) per unit is Rs. 6.37. Thus, there is a gap of Rs. 11.64 per unit as shown in the following Table:

Table 33: Average Tariff Hike for FY 2018-19 submitted by the Petitioner

C N	D 4' 1	** **	FY 2018-19		
Sr. No.	Particulars	Units	Existing	Proposed	
1	ARR for FY 2018-19	Rs. Crores	502.26	502.26	
2	Revenue for FY 2018-19	Rs. Crores	177.53	197.38	
3	Gap (1-2)	Rs. Crores	324.73	304.88	
4	Total Sales	MU's	278.87	278.87	
5	Average Cost of Supply (1/4x10)	Rs. per kWh	18.01	18.01	
6	Average Revenue (2 /4 x 10)	Rs. per kWh	6.37	7.08	
7	Pure Gap (5-6)	Rs. per kWh	11.64	10.93	
8	Average Hike in Tariff			0.71	
9	Hike in %			11.18%	

The Petitioner has proposed for introduction of new slabs for higher consumption in Domestic, Commercial, Government Connections and Industrial categories with the objective of segregating consumers having a higher consumption from those with low consumption. Consumers having higher consumption would thus be charged at a higher tariff than those falling in lower slabs.

The tariff proposal for FY 2018-19 for individual categories as submitted by the Petitioner is given as follows along with the comparison of existing and proposed energy charges.

Table 34: Existing vs. proposed tariff for FY 2018-19 submitted by the Petitioner

		ing charges		Proposed charges		
Category	Energy charge (Rs/kWh)	Minimum charge per connected load or part thereof per month	Category	Energy charge (Rs/kWh)	Minimum charge per connected load or part thereof per month	
Domestic Connection			Domestic Connection			
-0 to 100 units	2.05		-0 to 100 units	2.05		
-101 to 200 units	4.40	connected load or part thereof per month units	-101 to 200 units	4.50	Rs.30.00 per kVA connected load or	
-201 units &	6.30		-201 to 500 units	6.60	part thereof per month	
above	6.30		-501 units & above	6.95		
Commercial			Commercial			
-0 to 200 units	6.65		-0 to 200 units	7.00		
-201 to 500 units	8.30	Rs 50.00 per kVA connected load or	-201 to 500 units	9.35	Rs 50.00 per kVA connected Load or	
-501 units &	9.60	part thereof per month	-501 to 1000 units	11.30	part thereof per month	
above	9.00		-1001 units & above	11.75		

	Exist	ing charges		Prop	Proposed charges		
Category	Energy charge (Rs/kWh)	Minimum charge per connected load or part thereof per month	Category	Energy charge (Rs/kWh)	Minimum charge per connected load or part thereof per month		
Government Connections			Government Connections				
-0 to 500 units	8.30	Rs. 50.00 per	-0 to 500 units	8.70	Rs. 50.00 per		
-501 units &	0.60	kW/kWA connected load or part thereof per	-501 to 1000 units	10.10	kW/kWA connected load or part thereof per		
above	9.60	month	-1001 units & above	10.60	month		
Industrial			Industrial				
-0 to 500 units	5.70 6.80	a) Rs 50.00 per HP. Connected load or part thereof b) Rs 200.00 per month for rice, flour millers of rural areas with 15 HP capacity	-0 to 200 units	5.70	a) Rs 50.00 per		
-0 to 500 units			-201 to 500 units	6.10	H.P. connected load or part thereof.		
-501 units &			-501 to 1000 units	7.65	b) Rs 200.00 per month for rice, flour millers of		
above			-1001 units above	8.00	rural areas with 15 HP capacity		
Bulk Supply	11.30	Rs 50.00 per kVA connected load or part thereof	Bulk Supply	12.15	Rs 50.00 per kVA connected load or part thereof		
Public Lighting	5.80	Rs 60.00 per kVA connected load or part thereof per month	Public Lighting	6.25	Rs 60.00 per kVA connected load or part thereof per month		
Irrigation Pumps & Agriculture	1.60	Rs 15.00 per kVA connected load or part thereof per month	Irrigation Pumps & Agriculture	1.65	Rs 15.00 per kVA connected load or part thereof per month		

Commission's Analysis:

The Commission, after analysis of the various components of the ARR for FY 2018-19, has come to the conclusion that the utility has to increase the average tariff from the existing level of Rs. 5.85¹ per unit, to Rs. 18.01 per unit, if it was to recover the full amount of ARR as projected for FY 2018-19.

However, in view of the socio-economic constraints of the people residing in the licensee area, the Commission feels that aligning the tariff with Average Cost of Supply would be

¹ The revenue at existing tariff for FY 2018-19 has been calculated by the Petitioner based on the slab-wise details of sales submitted by them. However, due to concerns already stated in Para 5.3 of the this Order, the Commission has decided to consider the slab-wise bifurcation of sales as approved in the Tariff Order dated 29th March 2017. The revenue and average billing rate at existing tariff computes to Rs. 163.06 Cr. and Rs. 5.85 per unit, respectively.

unjust to the consumers. Also, having regard to the difficult terrain where people reside in remote areas spread across the islands with limited access to basic amenities, the Commission, in order to avoid tariff shock, has approved a marginal increase in the tariff of FY 2018-19 over the FY 2017-18.

Additionally, the Commission has reviewed the proposal of the Petitioner to introduce additional slabs across consumer categories including Domestic, Commercial, Industrial and Government connections. In view of limited information across slab –wise sales, etc. and absence of a detailed proposal in this regard, the Commission is unable to ascertain the benefit of introduction of such slabs across the consumer categories. However, the Commission feels it adequate to introduce an additional slab for those domestic consumers who have a substantial monthly consumption but are falling under the highest slab of '201 units and above'. Introduction of an additional slab of 'greater than 500 units a month' with a marginally higher energy charge would help in partial reduction of the large revenue gap of ED-A&N and also control higher consumption by few consumers. The Commission notes that similar slabs have been introduced across various States in order to recover the Average Cost of Supply from such consumers.

The Commission has determined the retail tariff for FY 2018-19 also keeping in view the guiding principles as stated in the Electricity Act 2003, the Tariff Policy, MYT Regulations 2014, the suggestions/objections of the stakeholders in this regard and the Petition submitted by ED-A&N. The Commission approves the tariff for FY 2018-19 as given as follows:

Table 35: Existing vs. Revised Tariff approved by the Commission for FY 2018-19

	Existing charges			Approved charges		
Category	Energy charge (Rs/ kWh)	Minimum charge per connected load or part thereof per month	Category	Energy charge (Rs/kWh)	Minimum charge per connected load or part thereof per month	
Domestic Connection			Domestic Connection			
-0 to 100 units	2.05		-0 to 100 units	2.05		
-101 to 200 units	4.40	connected load or part thereof per	-101 to 200 units	4.50	Rs.30.00 per kVA connected load or	
-201 units &			-201 to 500 units	6.60	part thereof per month	
above	6.30	month	-501 units & above	6.90		
Commercial			Commercial			
-0 to 200 units	6.65	Rs 50.00 per kVA	-0 to 200 units	7.00	Rs 50.00 per kVA	
-201 to 500 units	8.30	connected load or	-201 to 500 units	9.00	connected Load or part thereof per	
-501 units & above	9.60	part thereof per month	-501 units & above	11.00	month	
Government Connections			Government Connections			

	Exist	ting charges		Approved charges		
Category	Energy charge (Rs/ kWh)	Minimum charge per connected load or part thereof per month	Category	Energy charge (Rs/kWh)	Minimum charge per connected load or part thereof per month	
-0 to 500 units	8.30	Rs. 50.00 per kW/kWA	-0 to 500 units	8.70	Rs. 50.00 per kW/kWA	
-501 units & above	9.60	connected load or part thereof per month	-501 units & above	10.10	connected load or part thereof per month	
Industrial			Industrial			
-0 to 500 units	5.70	a) Rs 50.00 per HP. Connected load or part thereof	-0 to 500 units	6.00	a) Rs 50.00 per H.P. connected load or part thereof.	
-501 units & above	6.80	b) Rs 200.00 per month for rice, flour millers of rural areas with 15 HP capacity	-501 units & above	7.50	b) Rs 200.00 per month for rice, flour millers of rural areas with 15 HP capacity	
Bulk Supply	11.30	Rs 50.00 per kVA connected load or part thereof	Bulk Supply	12.00	Rs 50.00 per kVA connected load or part thereof	
Public Lighting	5.80	Rs 60.00 per kVA connected load or part thereof per month	Public Lighting	6.10	Rs 60.00 per kVA connected load or part thereof per month	
Irrigation Pumps & Agriculture	1.60	Rs 15.00 per kVA connected load or part thereof per month	Irrigation Pumps & Agriculture	1.60	Rs 15.00 per kVA connected load or part thereof per month	

The revenue at revised tariff approved by the Commission for FY 2018-19 is given in the following Table:

Table 36: Revenue at revised tariff approved by the Commission for FY 2018-19 (Rs. crore)

		Energy	A	Approved tariff		
S. No.	Category	sales (In MU)	Energy charges (in Rs /Unit)	Minimum charge per connected load or part thereof per month	Energy charge	Total revenue
1	Domestic					
	-0 to 100 units	75.28	2.05		15.43	
	-101 to 200 units	45.17	4.50	Rs. 30.00 per KVA	20.33	
	-201 to 500 units	28.90	6.60	connected load or part thereof per month	19.08	
	-501 & above	1.20	6.90	r r	0.83	
Sub-Total 150.56		150.56			55.67	55.67

		Energy		Approved tariff		
S. No.	Category	sales (In MU)	Energy charges (in Rs /Unit)	Minimum charge per connected load or part thereof per month	Energy charge	Total revenue
2	Commercial					
	-0 to 200 units	23.46	7.00	Rs 50.00 per KVA connected	16.43	
	-201 to 500 units	8.60	9.00	load or part thereof per month	7.74	
	-501 & above	7.04	11.00	monui	7.75	
Sub-	Total	39.11			31.91	31.91
3	Government Connections					
	-0 to 500 units	5.58	8.70	Da FO non law /law	4.85	
	-501 & above	22.30	10.10	Rs. 50 per kW/kVA	22.53	
Sub-	Total	27.88			27.38	27.38
3	Industrial					
	-0 to 500 units	12.31	6.00	a. Rs 50.00 per H.P. Connected load or part thereof.	7.38	
	-501 & above	6.62	7.50	b. Rs 200.00 per month for rice, flour millers of rural areas with 15 HP capacity	4.97	
Sub-T	'otal	18.93			12.35	12.35
4	Public lighting					
	All units	9.70	6.10	Rs 60.00 per KVA connected load or part thereof per month	5.92	5.92
4	Irrigation Pumps & Agriculture					
	All units	0.87	1.60	Rs 15.00 per KVA connected load or part thereof per Month	0.14	0.14
6	Bulk supply					
	All units	31.82	12.00	Rs 50.00 per KVA connected load or part thereof	38.18	38.18
	Total	278.87			171.55	171.55

The revenue gap at revised tariff approved by the Commission is given in the following Table:

Table 37: Revenue gap at revised tariff approved by the Commission for FY 2018-19 (in Rs. crore)

Sr.No.	Particulars	FY 2018-19
1.	Net Revenue Requirement	502.25
2.	Revenue from sale of power	171.55
3.	Net gap during the year	330.70
4.	Add: Previous year gap	0.00
5.	Total Gap	330.70

The following comparative chart gives the overview of the category-wise levels of percentage recovery of Average Cost of Supply at existing and revised tariffs.

Table 38: Percentage recovery of ACOS at existing and revised tariff approved by the Commission for FY 2018-19

	Existing tariff				Approv	ed tariff
S. No.	Category	Average Billing Rate ² (Rs/unit)	%age of ACOS ³	%age Hike	Average Billing Rate (Rs/unit)	%age of ACOS
1	Domestic	3.60	20.02%	2.78%	3.70	20.53%
2	Commercial	7.54	41.86%	8.22%	8.16	45.31%
3	Government Connections	9.34	51.86%	5.14%	9.82	54.52%
3	Industrial	6.08	33.75%	7.24%	6.52	36.23%
4	Public Lighting	5.80	32.20%	5.17%	6.10	33.87%
5	Irrigation Pumps & Agriculture	1.60	8.88%	0.00%	1.60	8.88%
6	Bulk Supply	11.30	62.74%	6.19%	12.00	66.63%
7	Overall	5.85	32.47%	5.21%	6.15	34.16%

To summarize:

- a. Considering the justifications detailed above, the Commission has approved a tariff hike of 5.21%.
- b. The Commission has introduced and approved a new slab for Domestic Category as proposed by the Petitioner. However, no new slabs have been introduced in any other category. The tariff for the new slab has been approved marginally higher than the preceding slab. The Petitioner is required to strictly adhere to the newly notified slab and submit all relevant information relating to this slab i.e. number of consumers, connected load, sales, etc. in the next tariff filing.
- c. Against the Average Cost of Supply of Rs 18.01 per unit, the Petitioner will be able to recover Rs 6.15 per unit at the approved tariff for FY 2018-19 against Rs 5.85 at the existing tariff, a net increase in revenue of Rs. 0.30 per unit sold and a tariff hike of 5.21% as shown in the following Table:

² Average Billing Rate (ABR) has been computed by dividing the total revenue by total sales of the category.

³ Percentage of Average Cost of Supply (ACOS) has been computed by dividing the ABR by ACOS

Table 39: Average Tariff Hike approved by the Commission for FY 2018-19

C N	Doubless	TT th	FY 2018-19		
Sr. No.	Particulars	Units	Existing	Approved	
1	ARR for FY 2018-19	Rs. Crores	502.25	502.25	
2	Revenue for FY 2018-19	Rs. Crores	163.06	171.55	
3	Gap (1 2)	Rs. Crores	339.19	330.70	
4	Total Sales	MU	278.87	278.87	
5	Average Cost of Supply (1/4x10)	Rs. per kWh	18.01	18.01	
6	Average Revenue (2 /4 x 10)	Rs. per kWh	5.85	6.15	
7	Pure Gap (5-6)	Rs. per kWh	12.16	11.86	
8	Average Hike in Tariff			0.30	
9	Hike in %			5.21%	

The Petitioner has submitted that the revenue gap for the current year will be met through budgetary support from the Government of Andaman and Nicobar Island.

Chapter 7: Tariff and Terms and Conditions of Tariff

7.1. Tariff Schedule

S.No.	Category	Minimum charges per connected load or part thereof per month	Energy charges (Rs. per kWh)
1.	Domestic		
I	Up to 100 units		2.05
Ii	101 units – 200 units	Da 20.00 par lvVA	4.50
Iii	201 units – 500 units	Rs. 30.00 per kVA	6.60
iv	501 units & above		6.90
2	Commercial		
i	Up to 200 units		7.00
ii	201 units – 500 units	Rs. 50.00 per kVA	9.00
iii	501 units & above	·	11.00
3	Government Connection		
i	Up to 500 units	D 50.00 144.044	8.70
ii	501 units & above	Rs. 50.00 per kW/kVA	10.10
4	Industrial	1	
i	Up to 500 units	a) Rs. 50.00 per HP b) Rs. 200.00 per month for rice,	6.00
iii	501 units & above	flour millers from rural areas who are having 15 HP capacity.	7.50
5	Invigation Dumps & Agriculture	1	
3	Irrigation Pumps & Agriculture All units	Do 15 00 poply//	1.60
	All units	Rs. 15.00 per kVA	1.00
6	Public Lighting		
	Public lighting system managed by municipal corporation, panchayat and street lights maintained/outsourced to an external agency	Rs. 60.00 per kVA	6.10
7	Bulk Supply		
	Bulk Category	Rs. 50.00 per kVA	12.00
8	Temporary supply		
i	All units	Three times the rate applicable to the r category of consumers.	elevant

7.2. Applicability

Category	Applicability	Point of supply/notes
1. Domestic	This schedule will apply for single delivery point including light, fan, domestic pumping sets and household appliances. a) Single private house/flat b) Housing colonies and multistoreyed flats/buildings as defined in the Electricity Supply Code Regulations notified by the JERC	NOTE: Where a portion of the dwelling is used for mixed load purposes, the connection will be billed for the purpose for which the tariffs are higher
2. Commercial	This schedule will apply to all consumers, using electrical energy for light, fans, and appliances like pumping sets, motors of up to 3 HP used for commercial purpose, central air conditioning plants, lifts, welding sets, small lathe machines, electric drills, heaters, battery chargers, embroidery machines, printing presses, ice candy, dry cleaning machines, power presses, small motors in commercial establishments/ non-residential private premises such as printing presses, hotels, rest houses, restaurants, hostels, nursing homes, bus stands, clubs, auditoriums, communication, cinema theatres, operas, circus, exhibitions, and bakeries, and grinders and installations for private gains, etc. Commercial supply will also be applicable to multi-consumer complex including commercial complexes as defined in the Electricity Supply Code Regulations notified by JERC. This schedule will also apply to the places of worship like temples, mosques, churches, gurudwaras, Buddhist Pongi Chung (except residential areas), public Pooja celebrations and religious ceremonies. No separate circuit/ connection for power load including pumping set/ central air	

Category		Applicability	Point of supply/notes
		conditioning plant, lifts, etc., is permitted.	
	vernment nnections	This schedule will apply to all government connections.	The supply will be given through a single delivery and metering point and a single voltage.
4. Ind	lustrial Supply	The schedule will apply for supply of energy for lighting, fan and power to industrial establishments & industries such as wood-based, cottage, small scale, medium-scale, finishing shell based and any other establishments/ organisations engaged in the manufacturing and processing of goods for sale, rice mills, flour mills, workshops, dry docks, factories base repair organisations, public water works & gem cutting units	The supply will be given through a single delivery and metering point and at a single voltage.
	igation Pumps Igriculture	This schedule will apply to all consumers for use of electrical energy for irrigation and agricultural purposes including animal husbandry.	The supply will be given through a single delivery and metering point and at a single voltage.
6. Pul	blic Lighting	This schedule will apply for lighting on public roads, footpaths, streets and thoroughfares in parks & markets, etc.	Cost of spares, materials and labour required for maintenance is to be borne by respective panchayati raj institution / local body.
7. Bul	lk Supply	This schedule will apply to general or mixed loads receiving supply of energy through a bulk energy meter at either HT or LT supply and distribution is maintained by them. For dedicated transformers, the complete cost of technical transmission lines of transformer sub-station, switch gear & installation is to be borne by the consumer.	The supply will be given through a single delivery and metering point and at a single voltage.
	mporary oply	The supply may be given for a limited period as per the provisions of JERC Supply Code	

Category	Applicability			Point of supply/notes
	Regulations,	2010,	and	
	amendments the	ereon.		

7.3. General conditions of HT and LT Supply

The above-mentioned LT/HT tariffs are subject to the following conditions, applicable to all category of consumers:

- 1) If energy supplied for a specific purpose under a particular tariff is used for a different purpose, not contemplated in the contract for supply and/or for which higher tariff is applicable, it will be deemed as unauthorised use of electricity and will be dealt with for assessment under the provisions of Section 126 of the Electricity Act, 2003, and Supply Code Regulations notified by JERC.
- 2) If the connected load of a domestic category is found to be at variance from the sanctioned/contracted load as a result of increase of load or due to replacement of lamps, fans, fuses, switches, low-voltage domestic appliances, fittings, etc., it will fall neither under unauthorised use of electricity (Section 126 of Electricity Act, 2003) nor under theft of electricity (Section 135 of Electricity Act, 2003).
- 3) If the consumer fails to pay the energy bill presented to him/her by the due date, the department will have the right to disconnect the supply after giving 15 days' notice as per provision of the Act and Supply Code Regulations.

4) Additional charges for exceeding contracted load/contracted maximum demand

If, in any month, the consumer exceeds his/her contracted load/contracted demand, the portion of the load/demand in excess of the contracted load/demand will be dealt as per the provisions made in the JERC (Electricity Supply Code) Regulations, 2010.

This will not be applicable to the consumers who have self-declared their connected load as per the provision under Regulation 4.13 (2) of the JERC Supply Code Regulations, 2010, as amended from time to time.

5) Power factor incentive

The Petitioner has submitted that:

"The case of power factor in the A&N Islands is very different from rest of the states & UTs, except Lakshadweep. The major attributor for the decrease in power factor is the industrial load / consumers, and industrial consumers are merely 0.5% of the total consumers. In the absence of major industries in the A&N Islands, the power factor at generating stations is almost close to unity, i.e., in the range of 0.96–0.99 lagging, whereas in the mainland of India, the low power factor is an issue and thus power factor incentive plays a vital role for correction of power factor.

Further, it is programmed to have around 50 MW solar power plant including rooftop solar, in these islands which does not share the reactive power, eventually raise the power

factor toward unity and sometimes leading also for which we may have to install shunt reactors."

The Commission observes that ED-A&N largely relies on localised generation and distribution as there is no interconnecting grid. Accordingly, it is not possible for a limited set of consumers connected to individual generating sources to contribute substantially for improvement of the power factor. Thus, the power factor is maintained at higher levels effectively by the department only. Accordingly, the Commission finds it appropriate not to allow any incentive for higher power factor to the consumers.

6) Incentive for usage of alternative (renewable) sources of energy

A concession of Rs 50/- (rupees fifty only) per month in the electricity bill will be given to consumers using solar water heater in domestic/commercial establishments on one-time verification of original invoice of its purchase and verification of the installation of equipment by the engineer in charge of the area. The concession will be given to the consumers on the basis of the ownership of equipment; the concession will be divided amongst the consumers if they are sharing a common solar water heater.

7) Late payment surcharge

For the existing connections, if the payment is made after the due date (as mentioned on the bill), the consumer is liable to pay additional charges on the amount at the rate of 2% per month. However, for disconnected consumers, additional amount at the rate of 10% per annum on the outstanding amount will be charged.

8) Advance payment rebate

If payment is made in advance well before commencement of the consumption period for which the bill is prepared, a rebate @1% per month will be given on the amount (excluding security deposit), which remains with the licensee at the end of the month. Such rebate, after adjusting any amount payable to the licensee, will be credited to the account of the consumer.

9) Prompt payment rebate

If payment is made at least seven days in advance of the due date of payment, a rebate for prompt payment @0.25% of the bill amount will be given. Consumers having arrears will not be entitled to such rebate.

10) Taxes & duties

The tariff does not include any tax or duty etc. on electricity energy that may be payable at any time in accordance with any law then in force. Such charges, if any, will be payable by the consumer in addition to the tariff charges.

Table 40: Schedule of Miscellaneous Charges

S.No.	Description	Rate (Rs.)
Α	Application processing charges for new connection/ enhancement of	
	load/ reduction of load	
i	Domestic Supply	NIL
ii	Non-Domestic Supply	NIL
iii	Small Power, Medium Supply and Street Lighting Supply	NIL
iv	Large and Bulk Supply	NIL
v	Agriculture Power Supply	NIL
vi	Temporary Metered Supply	NIL
В	Charges for Re-fixing/ Changing of meter/ Meter Board in the same	
	premise on consumer request when no additional material is required.	
	(When the cause leading to subsequent change/ replacement of meter	
	is either manufacturing defect or Department's fault then, it shall be	
	free of cost and further, if shifting of meter is done in the interest of	
	department work then it is free of cost.)	
i	Single phase meter	385
ii	Three phase meter without CT	570
С	Meter Inspection & Testing Charges (In case correctness/ accuracy of a	
_	meter belonging to the Licensee is challenged by the consumer)	
i	Single Phase	
ii	3-phase whole current i.e. without CT	
iii	L.T. meter with CTs	
D	Re-sealing charges (irrespective of the number of seals involved against	
	each item below and where seals found to have been broken by the	
	consumer)	
i	Meter cover or Meter Terminal cover (single phase) Push Type	285
Ii	Meter cover or Meter Terminal cover (single phase) Sintex Type	1530
iii	Meter cover or Meter Terminal cover (3-phase) Sintex Type	5030
E	Reconnection Charges	0=
i	Single Phase	25
Ii	3-Phase	50
iii	Meter Reading Cards/ Passbook (New/ Replacement)	Free
G	Meter Rentals	
i	Single Phase	15
Ii	3-Phase	30
Н	Amount of Security Deposit for new/ extension of load	As per
		procedure
		prescribed
		in clause
		6.10 of the
		JERC
		Electricity
		Supply
		Code
		Regulation
T	Changes reserve able from the source or when the mater is formal	2010.
I	Charges recoverable from the consumer when the meter is found	Three times the cost of
	damaged/ burnt owing to negligence or default on the part of consumer	
		Energy Meter
		MELEI

True-up of FY 15, Review of FY 18 & Retail Supply Tariff of FY 19

S.No.	Description	Rate (Rs.)
J	Special Meter reading charges in case of change in occupancy/vacation	NIL
	of premises for domestic consumers	
K	Supply of Duplicate copies of Electricity Bills	Free
L	Review of Electricity Bills (If the accuracy of licensee's bill is challenged	Free
	by the consumer and a review of the bills is demanded)	

Chapter 8: Directives

Over the years, the Commission has issued various directives to the Petitioner for necessary action at its end. It has been observed that the Petitioner is not fully complying with most of the directives issued by the Commission. In order to strengthen the effective monitoring and ensure timely implementation of all the directives in true spirit, the Commission hereby orders that the Petitioner will now compulsorily submit:

- The detailed action plan for compliance of all the directives within 1 month of issuance of this Order.
- The quarterly progress report as per the detailed action plan for all the directives issued in the subsequent sections within 10 days after the end of each quarter of the calendar year.

8.1. Directives continued in this Tariff Order

While examining the compliance note and supporting documents submitted by the Petitioner in the present Petition, it has been observed that some of the directives issues in the previous Tariff Orders have not been fully complied with by the Petitioner.

These Directives are important for the functioning of department and the Commission has directed to continue with the following directives:

8.1.1. Collection of arrears

Originally issued in Tariff Order dated 4th June 2012

Commission's latest directive in Tariff Order dated 29th March 2017

The Commission has noted that the Petitioner has repeatedly failed to comply with this directive. The Commission again directs the Petitioner to analyze the outstanding dues, bad debts, etc., and construct a database of such consumers including the particulars like amount, aging schedule and category. The Petitioner should identify consumers having an outstanding of Rs 50,000 and above for more than six months from the due date.

Along with the next Tariff Petition, the Petitioner is directed to submit the detailed status report of the action already taken in this matter, with clear demarcation of consumer-wise arrear details wherein the records are available, and identification of cases where the records have been destroyed/no longer traceable.

The Commission will be constrained to take appropriate action against the Petitioner in case of any further non-compliance.

Petitioner's response in the present Tariff Petition

The Department undertook an exercise to identify and categorize outstanding arrears. However, most of the outstanding arrears are very old and pertaining to the pre-tsunami period. The same could not be traced. Department shall be proposing to write off the unrecoverable outstanding. Out of the identified arrears there are no consumers with an overdue of Rs. 50,000/- and more.

Commission's response

The Commission appreciates that the Petitioner has made efforts to identify and categorize outstanding arrears. The Commission now directs the Petitioner to submit consumer-wise details of post-tsunami arrears along with amount of arrears and approximate amount of arrears pertaining to the pre-tsunami period that the department is proposing to write-off by 30th September 2018.

8.1.2. Filing of Review and True-up Petitions for previous years

Originally issued in Tariff Order dated 4th June 2012

Commission's latest directive in Tariff Order dated 29th March 2017

The Commission notes that the Petitioner has submitted the audited annual accounts prepared on commercial principles for FY 2012-13 and FY 2013-14. The Commission now directs the Petitioner to submit the True-up Petition along with audited accounts prepared on commercial principles for FY 2015-16, FY 2016-17 and FY 2017-18 in the next tariff filing.

Petitioner's response in the present Tariff Petition

EDA&N has submitted the True-up for FY 2014-15 based on the audited accounts. The accounts for FY 2015-16 are under audit by the Auditor General. The provisional unaudited accounts for FY 2015-16 are submitted as part of additional submission. The accounts for FY 2016-17 are under compilation.

Commission's Response

The Commission notes that the Petitioner has submitted the audited annual accounts prepared on commercial principles for FY 2014-15. The Commission now directs the Petitioner to fast-track the finalization of audited accounts for FY 2015-16 and FY 2016-17 and submit the Truing-up for the respective years along with the next tariff filing.

8.1.3. Bill Payment

Originally issued in Tariff Order dated 4th June 2012

Commission's latest directive in Tariff Order dated 29th March 2017

The Commission appreciates the implementation of web based billing/payment software at few places and directs the Petitioner to install localized billing/bill payment software at each island for the benefit of the general public. The Petitioner can integrate this software at a later stage once the connectivity is established across the islands.

The Petitioner is directed to complete this activity with six months of issuance of this Order, failing which the Commission will be constrained to take appropriate action against the Petitioner.

Petitioner's response in the present Tariff Petition

The web-based billing/payment software has been implemented, however, a full-fledged implementation/usage of the same requires seamless internet connectivity which is currently not up to the mark in A&N Islands. This is beyond the control of the Electricity Department. The Hon'ble Commission may kindly consider the same.

Commission's response:

The Petitioner has not submitted any documentary evidence/ supporting details to substantiate its claim for implementation of web-based billing/payment software. Therefore, the Petitioner is directed to submit island wise detail of the implementation status of web-based billing system along with the next tariff filing.

8.1.4. Preparation of Fixed Asset Register

Originally issued in Tariff Order dated 4th June 2012

Commission's latest directive in Tariff Order date 29th March 2017

The Commission has noted that the Petitioner has repeatedly failed to provide compliance to this directive. The Commission now directs the Petitioner to submit the audited FARs from FY 2012-13 onwards with the next Petition, failing which the Commission will be constrained to take appropriate action against the Petitioner

Petitioner's response in the present Tariff Petition

The Fixed Asset Register for the FY 2014-15 has been compiled. However, the same is awaiting audit by the Auditor General.

Commission's response:

The Petitioner is directed to finalize the FARs from FY 2014-15 onwards and submit the same to the Commission along with the next tariff filing.

8.1.5. Energy Audit

Originally issued in Tariff Order dated 4th June 2012

Commission's latest directive in Tariff Order dated 29th March 2017

The Commission has noted the submission of the Petitioner and directs the Petitioner to take up this matter on priority and submit the quarterly status report to the Commission.

Petitioner's response in the present Tariff Petition

The proposal to carryout Energy Audit by PCRA is under final stage of approval by Administration and the order shall be placed within this month on PCRA for carrying out the Energy Audit immediately on receipt of approval from Administration.

Commission's Response:

The Commission has noted the submission of the Petitioner and directs the Petitioner to submit a quarterly status report to the Commission on the progress of energy audit and timelines for its completion.

8.1.6. Island-wise data/ Information

Originally issued in the Tariff Order dated 29th March 2017

Commission's latest directive in Tariff Order dated 29th March 2017

The Commission directs the Petitioner to maintain the island-wise technical information (i.e. category-wise sales, number of consumers, connected load, T&D losses, plant-wise generation/purchase) on monthly basis and submit such information to enable the Commission

to undertake the Review/True-up as per the provisions of the Regulations in future. The Commission shall consider the actual performance at the time of True-up of FY 2016-17 once the audited accounts and island-wise information as directed above is submitted by the Petitioner.

Petitioner's response in the present Tariff Petition

The Island wise details have been compiled and the same is submitted.

Commission's Response

The Commission notes that the Petitioner has submitted island-wise information for sales, number of consumers and gross generation for FY 2016-17 only. The Petition is directed to maintain island-wise information for category-wise sales, number of consumers, connected load, peak load, T&D losses, plant-wise generation on monthly basis for all years, fuel consumption in each plant, etc. and submit the aforementioned details along with the next tariff filing, failing with the Commission will be constrained not to take the Truing up of the remaining years.

8.1.7. Notified Tariff Categories

Originally issued in the Tariff Order dated 29th March 2017

Commission's latest directive in Tariff Order dated 29th March 2017

The Commission had introduced a new Tariff category – Government connections in the MYT Order dated 6th April, 2016. However, it has been observed that the Petitioner has not incorporated that category in the present Tariff Petition. The Commission, therefore, directs the Petitioner to strictly adhere to the notified tariff categories and submit all the future Petitions containing all the requisite details as per the relevant Tariff Orders of the Commission.

Petitioner's response in the present Tariff Petition

The directive is complied with and the information has been filed separately.

Commission's Response

The Commission has noted that the Petitioner has submitted only the bifurcation of sales for this category for FY 2018-19 based on the actual sales for two months of FY 2017-18. The Petitioner is directed to provide complete details of number of consumers and connected load along with the full year sales figure in the Business Plan for the next Control Period.

8.2. New Directives

8.2.1. State Load Dispatch Centre

Commission's latest directive in the Present Tariff Order

The Petitioner is directed to take steps for establishment of an independent SLDC for demand forecasting and better scheduling of Power in the UT of A&N Islands at the earliest. The Petitioner shall prepare a roadmap for this purpose and submit the same to the Commission within 3 months from the date of the Order.

8.2.2. Slab-wise details

Commission's latest directive in the Present Tariff Order

The Petitioner is directed to provide the month-wise and slab-wise detailed break up of number of consumers, connected load and energy sales under each consumer category in the Business Plan for the next Control Period. Also, the Petitioner is required to provide the basis of category-wise, slab-wise bifurcation of sales.

8.2.3. Introduction of Fixed charges

Commission's latest directive in the Present Tariff Order

The Commission observes that under the present tariff structure, the ED-A&N is charging minimum monthly charges. Applicability of such minimum charges has been discontinued and fixed charges have been introduced across majority of the states in India in line with the provisions of the Tariff Policy. The Commission intends to introduce fixed charges in place of minimum charges in the subsequent Tariff Order for ED-A&N. Therefore, the Petitioner is directed to submit a detailed tariff proposal for introduction of fixed charges across categories supported by details of number of consumers, connected load / contracted demand, etc. in the subsequent tariff filing. Details of existing number of consumers, connected load and contracted demand is also required to be provided along with the Business Plan for the next Control Period.

8.2.4. Details of O&M Expenses

Commission's latest directive in the Present Tariff Order

The Commission has observed that the Petitioner has not submitted detailed break-up of Employee Expenses, R&M Expenses and A&G expenses in the current Tariff Petition. The Petitioner is directed to maintain a detailed record of these expenses and report the same in their Audited accounts and submit the same in the requisite tariff filing formats.

8.2.5. T&D Losses

Commission's latest directive in the Present Tariff Order

It is noted that the Petitioner has not been able to meet the T&D loss targets as approved by the Commission in the past years. The Petitioner is directed to take appropriate steps for bringing down its T&D loss as per the approved T&D loss target for the respective year. Also a status report of the initiatives taken in this regard needs to be submitted along with the tariff filing for the next year.

8.2.6. Details of upcoming Power Plants

Commission's latest directive in the Present Tariff Order

In response to one of the directives of the Commission in the previous Tariff Order, the Petitioner had submitted that instead of reviving the existing solar plants, new solar plants will be established by REIL, NTPC, NLC, CSPU etc. Further, the Petitioner had submitted details of various power plants proposed to be established.

The Petitioner is directed to submit the details of ongoing and proposed power A&N in the Business Plan for the next Control Period.	plants in the UT of

Annexure 1: Public notices published by the Petitioner

Andaman Seekha

06.01.2018 Rs. 2.00 Andaman Sheekha

Public Hearing of Approval of True up for FY 2014-15 of Electricity department to be held on 22nd Jan

Port Blair, Jan 05: Electric- of Electricity Department, electricity.and.nic.in. ity Department, UT of Andaman & Nicobar Is-Andaman & Nicobar Is- lands, Port Blair (Petition shall hold a public hearing lands has filed the petition No.248/2017) before the at Port Blair on 22.01.2018 Tariff for 2018-19 in respect website

for Approval of True up for Joint Electricity Regulatory for approval of True up for FY 2014-15, Annual Perfor- Commission for the State of FY 2014-15, Annual Performance Review of FY 2017- Goa and Union Territories mance Review of FY 2017-18 and Determination of Petition is available on 18 and Determination of

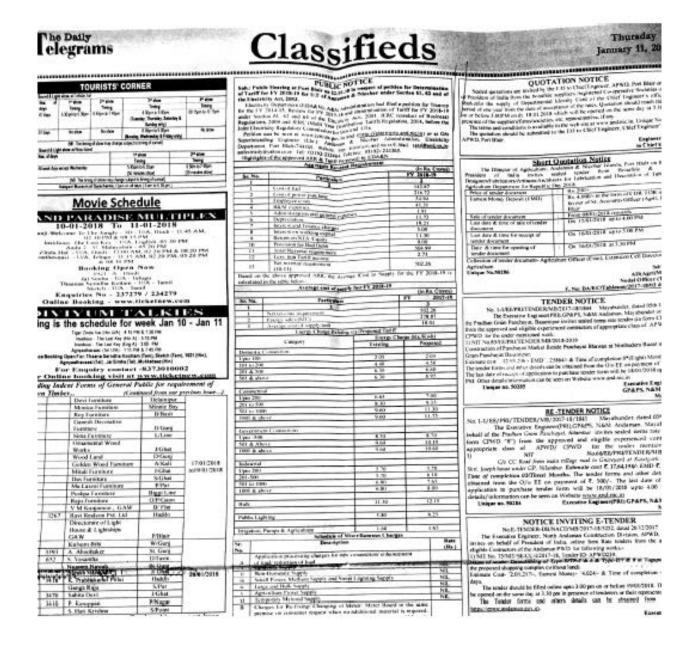
The commission http:// 'Tariff for 2018-19.

CS

Date	e of Public Hearing for: all cate Venue	Subject
2nd January, 2018 from 02.30 pm Onwards	ALHW Multipurprise Hall, Foreshore Road (Beside Fisheries Jetty, Phoenix Bay)	Public hearing for Approval of True up for FY 2014-15, Annual Performance Review of FY 2017-18 and Determination of Tariff for 2018-19.

All the General Public and those who are intending to tions may attend the said other stakeholders including file the,ir objections / sugges-

The Daily Telegram



The ECHO of India



The ECHO of India

Saturday-January 20, 2018 National Youth Day

by NYK Diglipur

DIGLIPUR, JAN 19/--/ The birthday of
Vivekananda is observed as National Youlth Day is
19th January every year week from nearby Youth Clubs and Mahila Mondals of Digitius participated. The chief guest Mr. Goutam Biswas, Pra Gram Panchayat, Shibpur garlanded the portr



Catchal will sail for Diglipur on 20.01.2018 (Sat) at rs from Phoenix Bay Jetty and will sail for Port in the same day at 2100 Hrs from Diglipur.

21.01.2018 (SINDAY)
BARATANG
ouldar will sail for Baratang on 21.01.2018 (Sun)
Hrs from Phoenix flay Jotty and will sail for Port
the same day a 1615 Hrss from Baratang.
HAVELOCK & NEIL ISLAND
ambooks will sail for Havelock on 21.01.2018
0350 Hrs from Phoenix flay Jetty and will sail
larie on the same day at 6900 Hrs from Havelock.
orth. Passage will sail for Neil (sland on
(Sun) at 6503 Hrs from Phoenix Bay Jetty and
or Port Hiair on the same day at 0845 Hrs from

th Passage will sail for Neil Island on Sun) at 1100 Hrs from Phoenix Bay Jetty and Port Blair on the same day at 1600 Hrs from

Passage will sail for Havelock on 21.01.2018 0 Hrs from Neil Island Jetty and will sail Island on the same day at 1445 Hrs from

oka will sail for Havelock on 21.01.2018 Hrs from Phoenix Bay Jetty and will sail on the same day at 1630 Hrs from Havelock.

22.01.2018 (MONDAY)
BARATANG
Ill sail for Baratang on 22.01.2018 (Mon)
Phoenix Bay Jetty and will sail for Port
ie day at 1515 Hrs from Baratang,
VELOCK & NELL ISLAND
v will sail for Havelock on 22.01.2018

'Swachh Bharat Abhiyan' by S&Gat Bambooflat

conducted a cleanliness drive on the read sides, 110 and out thousand arecapalms but due to the disease he uprooted approximately 800 plants and remaining 200 palms were also found to be affected severely by the same disease. During the survey by team, it was also observed that, most of the areca-nut plantations in the Miletilak village were affected by the said disease (Phytophtora Leaf Blight). It is a major fungal disease affecting arecanut and occount plantations.

practices anomous cases. Foliar spraying of Metalaxyl + Mancozeb 2g/lit, after 1: days, if disease persists then again foliar spray with Copper Oxychoride 2.8g/lit of Cuprous Oxide 2.8g/lit should be practiced. Bordeaux mixture (14) can also be used for effective management of the disease. The

Workshop on Green Building Rating System at DBRAIT

PORT BLAIR, JAN 19/-/ Dr. B.R.
Ambedkar Institute of Technology is organizing a two day workshop cum training on IGBG Green Building Rating System in association with Indian Green Building Council (IGBC) a unit of Building Council (IGBC) a unit of Confederation of Indian Industry (CII) immebers and students will be participating from 22nd to 23rd January 2018 at Institute

Agromet bulletin for farmers

PORT BLAIR, JAN 19/-/
The Central Island to 25 kmph is expected from North Easterly Institute has released the agromet bulletin for farmers for the period for the period from Jan 2040 advised to spray

CORRIGENDUM

CORKIGENDUM
PORT BLAIR, JAN 19/-/
In the official press
release published with
headline 'Audition for
Anchors & Presenters for
Doordarshan', the email
id may kindly be read as
portblairdkiegmail.com
Instead
of
portblair21@gmail.com
Inconvenience caused is
regretted.

A & N Islands Collect plastic & get money,

prize and employment

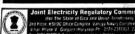
ober.

ling the Power Sector

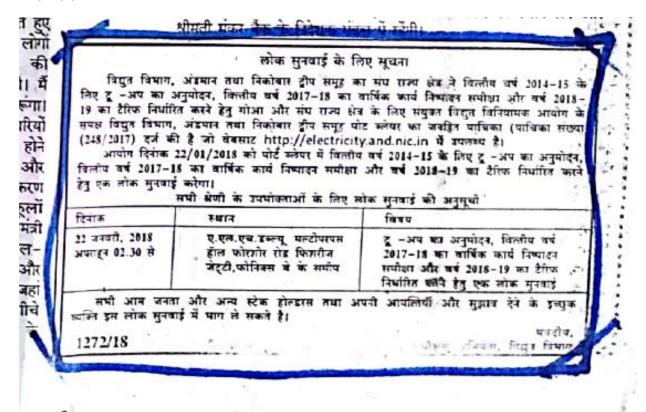
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Public hearing by Joint Electricity Regulatory Commission

said.

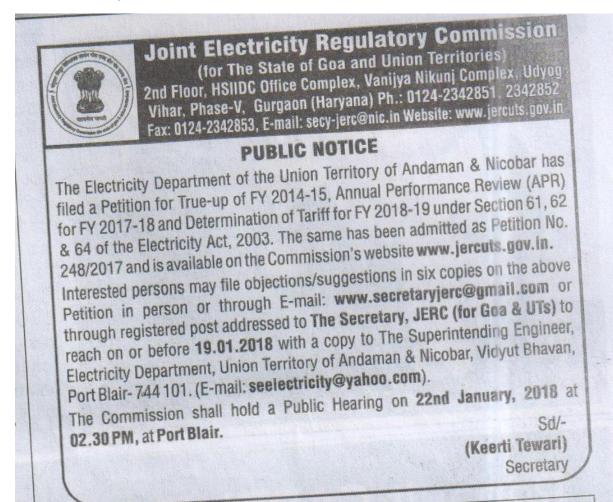
Port Blair, Jan. 13 The Islands has filed the Hall Foreshore Road petition for approval of true (Beside Fisheries Jetty, Department, Andaman £ 2018-19. (Petition No.248/2017) other available on website -http:// hearing, a communication (Co. 'electricity.and.nic.in.

The commission shall hold Nans Electricity a public hearing at Port on le Department, UT of Blair on Jan. 22 from 2.30 pm 15.0 Andaman & Nicobar at ALHW Multipurpose Cour up for FY 2014-15, annual Phoenix Bay) for approval performance review of Fy of True up for FY 2014-15, 2017-18 and determination Annual Performance of tariff for 2018-19 in Review of FY 2017-18 and respect of Electricity Determination of Tariff for Nicobar Islands, Port Blair All the general public and stakeholders of before the Joint Electricity including those who are pub Regulatory Commission for intending to file their Dej the State of Goa and Union objections/ suggestion not Territories Petition is may attend the public Ma

The

Annexure 2: Public notices published by the Commission for intimation of Public Hearing

The Andaman Express



The ECHO of India



Joint Electricity Regulatory Commission

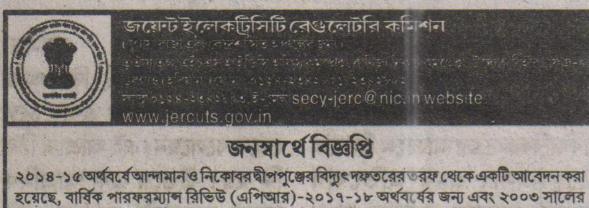
(for The State of Goa and Union Territories) 2nd Floor, HSIIDC Office Complex, Vanijya Nikunj Complex, Udyog Vihar, Phase-V. Gurgaon (Haryana) Ph. 0124-2342851, 2342852 Fax: 0124-2342853, E-mail: secy-jerc@nic.in Website: www.jercuts.gov.in

PUBLIC NOTICE

The Electricity Department of the Union Territory of Andaman & Nicobar has filed a Petition for True-up of FY 2014-15, Annual Performance Review (APR) for FY 2017-18 and Determination of Tariff for FY 2018-19 under Section 61, 62 & 64 of the Electricity Act, 2003. The same has been admitted as Petition No. 248/2017 and is available on the Commission's website www.jercuts.gov.in. Interested persons may file objections/suggestions in six copies on the above Petition in person or through E-mail: www.secretaryjerc@gmail.com or through registered post addressed to The Secretary, JERC (for Goa & UTs) to reach on or before 19.01.2018 with a copy to The Superintending Engineer, Electricity Department, Union Territory of Andaman & Nicobar, Vidyut Bhavan, Port Blair-744 101. (E-mail: seelectricity@yahoo.com). The Commission shall hold a Public Hearing on 22nd January, 2018 at 02.30 PM, at Port Blair. (Keerti Tewari)

Secretary

Arthik Lipi



২০১৪-১৫ অর্থবর্ষে আন্দামান ও নিকোবরদ্বীপপুঞ্জের বিদ্যুৎদফতরের তরফ থেকে একটি আবেদন করা হয়েছে, বার্ষিক পারফরম্যান্স রিভিউ (এপিআর)-২০১৭-১৮ অর্থবর্ষের জন্য এবং ২০০৩ সালের বিদ্যুৎ আইনের ৬১,৬২ ও ৬৪ ধারা অনুসারে ২০১৮-১৯ সালের ট্যানিফ নির্ধারণ করা হয়েছে। উক্ত পিটিশন ২৪৮/২০১৭ অনুসারে মঞ্জুর করা হয়েছে যা দেখা যাবে কমিশনেরওয়েবসাইট www.iercuts.gov.in.

আগ্রহী ব্যক্তিদের কোনও পরামর্শ/অভিযোগ থাকলে ৬ কপি অভিযোগপত্র উপস্থিত হয়ে অথবা ই-মেলের মাধ্যমে জানাতে পারেন, ই-মেলটি হল: www.secretaryjerc@gmail.com অথবাদি সেক্রেটারি, জেইআরসি (গোয়া এবং যুক্তরাজ্যের জন্য) রেভি স্টার্ড ঠিকানায় ১৯.০১.২০১৮ তারিখ অথবা রেজিস্টার্ড পোস্টের মাধ্যমে তার পূর্বে পাঠানো চাই। ওই কপি সুপারিনটেভিং ইঞ্জিনিয়ার, ইলেকট্রিসিটি ভিপার্টমেন্ট, ইউনিয়ন টেরিটরি অফ আনামান অ্যান্ড নিকোবর, বিদ্যুৎ ভবন, পোর্ট রেয়ার - 988১০১ পাঠাতে হবে। অথবা মেল করতে পারেন (ই-মেল: seelectricity@vahoo.com).

কমিশনের তরফ থেকে এ বিষয়ে জনশুনানি ২২ জানুয়ারি, ২০১৮ তারিখে দুপুর ২টো ৩০ মিনিটে পোর্ট ব্লেয়ারে অনুষ্ঠিত হবে। স্বা/-

(**নীর্তি তিও**য়ারি) সেক্রেটারি

The Andaman Express





Joint Electricity Regulatory Commission (for The State of Goa and Union Territories)

2nd Floor, HSIIDC Office Complex, Vanijya Nikunj Complex, Udyog Vihar, Phase-V, Gurgaon (Haryana) Ph.: 0124-2342851, 2342852 Fax: 0124-2342853, E-mail: secy-jerc@nic.in Website: www.jercuts.gov.in

PUBLIC NOTICE

Further to the Public Notice published on 23.12.2017, the stakeholders of the UT of Andaman & Nicobar are hereby informed that the Electricity Department of Andaman & Nicobar has filed a Petition for the True-up of the FY 2014-15, Annual Performance Review (APR) for the FY 2017-18 and Determination of Tariff for the FY 2018-19 for the Electricity Department of Andaman & Nicobar under Sections 61, 62 and 64 of the Electricity Act, 2003. The same has been admitted as Petition No. 248/2017 and is available on the Commission's website www.jercuts.gov.in The Commission shall hold the Public Hearing on the above Petition as per the

Date / Day / Year	Time	T V
22nd January (Monday), 2018		ALHW Multipurpose Hall, Near Fisheries Jetty, Port Blair

Sd/-(Keerti Tewari) Secretary

Annexure 3: List of Stakeholders

The following is the list of stakeholders who have submitted objections/suggestions:

S.No.	Name	Representation (in writing)	Representation (in person)
1.	N. Manikyarao Yadav	$\sqrt{}$	$\sqrt{}$
2.	Rakesh B Chandran	$\sqrt{}$	$\sqrt{}$