



उत्तर प्रदेश पावर कारपोरेशन लिमिटेड

(उ० प्र० सरकार का उपक्रम)

U.P. POWER CORPORATION LIMITED

(Govt. of Uttar Pradesh Undertaking)

CIN: U32201UP1999SGC024928

Regulatory Affairs Unit
15th Floor, Shakti Bhawan Extension,
14-Ashok Marg, Lucknow 226001.
Phone: (0522) 2286519
Fax: (0522) 2287860
No. 3215 /RAU/MYT

रेगुलेटरी अफेयर्स इकाई
15वाँ तल, शांति भवन विस्तार,
14-अशोक मार्ग, लखनऊ 226001
दूरभाष : (0522) 2286519
फैक्स : (0522) 2287860
Dated: 15 September, 2017

The Secretary,
U.P. Electricity Regulatory Commission,
Kisan Mandi Bhawan,
2nd Floor, Gomti Nagar,
Lucknow.

Subject: Replies of Information Requirement/Discrepancies in ARR/MYT Petition for FY 2017-18 to FY2019-20 submitted by UPPCL/State DisComs (namely DVVNL, PVVNL, MVVNL, PuVVNL & KESCO).

Sir,

Kindly refer to admittance letter no. UPERC/Secy/D(Tariff)/17-259 dated 04.09.2017 wherein Hon'ble Commission has directed licensees to re-work/re-visit the Projected Power Purchase Cost for MYT period to bring it down to reasonable level.

In line of above direction, licensee is submitting revised Power Purchase Plan for MYT period, revised consumer addition targets along with the replies of deficiency note sent via e-mail dated 30.08.2017.

Submitted for the consideration of the Hon'ble Commission.

Encl: As Above (5 copies+CD).

Yours faithfully,


(Niraj Agrawal)
Chief Engineer(RAU)

Replies to the Queries of the Hon'ble Commission in regard to the ARR / MYT Petition for the Control Period i.e. FY 2017-18 to FY 2019-20

- The Petitioner has not submitted the details of No. of Sub – station / Distribution Sub - station (11 / 0.4 kV) i.e. Distribution Transformer to compute O & M Expenses for FY 2017-18 & onwards as per the Regulations. This would further impact the whole GFA and ARR. It is mandatory for the Petitioner to submit the same.

Licensee's Reply

The Petitioner humbly submits that it has already submitted the details of No. of distribution sub–stations (33 KV) for the desired period and further the details of distribution sub- stations (11 / 0.4 kV) or Distribution Transformer (11 / 0.4 kV) for the period FY 14-15 to FY 2019-20 were provided as per Tariff Formats issued by the Hon'ble Commission. As desired by the Hon'ble Commission, the requisite details for earlier years has already been submitted to the Hon'ble Commission via email on 04th September, 2017, further the same is also submitted in hard copy along with the revised O&M Calculations, annexed with this reply marked as Annexure-1.

- The % Allocation of central plants for Uttar Pradesh as considered by the Petitioner is different from the allocations as accorded by NRPC vide Letter No: NRPC/ OPR/ 103/ 02/ 2017/8173-8198 dated 19.7.2017. Further, it has been observed that the annual fixed charges and the auxiliary consumption considered by the Petitioner for the central generating stations is not in line with the CERC orders for the tariff period FY 2014-19. The same was discussed and the Petitioner must submit the revised Power Purchase Cost and ACOS for FY 2017-18, FY 2018-19 and FY 2019-20 accordingly.

Licensee's Reply

The Petitioner hereby submits it has revised its power purchase plan based on the directions issued by the Hon'ble Commission and has further considered the average variable charges for FY 2017-18 on the basis of the average variable power purchase cost for the period April to June, 2017. The revised Power





Chief Engineer (R.A.U.)
UPPCL, Shakti Bhawan Ext.
14, Ashok Marg, New

Purchase Plan and ARR Summary for FY 2017-18, FY 2018-19 and FY 2019-20 is annexed herewith with this reply marked as Annexure-2.

- The variable cost per unit and fixed cost per unit for the state generating station of UPRVNL has not been considered as per the UPERC Order dated 18.1.2017 in Petition No. 1117 of 2016 & 1126 of 2016. The Petitioner submitted that they have taken the actual figures of FY 2016-17 and escalated the same for calculation of fixed and variable cost. The Petitioner urged that the same may be considered by the Commission for the MYT period so that the impact of FPPCA can be mitigated / minimised. However, the Petitioner needs to submit the details of the actual Power Purchase cost (Station / Source wise break - up of fixed and variable costs and Total Cost) for the years FY 2014-15, FY 2015-16 in the same format as they have submitted the data for FY 2016-17. Details of Power Purchase Cost (Station / Source wise break - up of fixed and variable costs and Total Cost) shall be submitted on consolidated monthly basis & consolidated yearly basis. Further the Petitioner to provide the details of Generating Station / Source – wise actual Power Purchase from April'2017 to July'2017 must also be submitted.

The above details are required for proper estimation of Power Purchase cost for FY 2017-18 & onwards so that the impact of FPPCA is minimized. Further the Petitioner in its reply said that the 4% escalation for the fixed and variable costs for the generating stations has been considered based on the past year average escalation trends, the Petitioner must submit the past trends calculated by it.

Licensee's Reply

The Petitioner hereby submits that it has considered the Fixed Cost of the State Generating Stations as per the UPERC Order dated 18.1.2017 and further the variable cost per unit was considered by escalating the actual variable cost per unit for FY 2016-17. Further in line with the last discussion held with the Hon'ble Commission, the Petitioner has considered the average variable cost for the period April to June, 2017 and escalated the same accordingly. Further, the Petitioner in line with the Commission's directive is hereby submitting the power purchase data compiled for FY 2014-15 & 2015-16 (data for 2016-17 has already been submitted) for kind reference of the Hon'ble Commission, which depicts the escalation factors for each of the generating stations. The same is attached herewith marked as Annexure-3. Further the details of Power Purchase Cost

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14, Ashok Marg

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(Station / Source wise break - up of fixed and variable costs and Total Cost) of Generating Station / Source – wise actual Power Purchase from April'2017 to July'2017 is under preparation and will be submitted shortly along with the Quarterly Incremental Cost submission.

A. Deficiencies / Queries that are yet to be answered:

- The Petitioner has submitted that a subsidy of Rs. 5500 crore for FY2017-18 and Fy 2018-19 and Rs. 3500 crore for FY 2019-20 has been committed by GoUP. The details are as under:

Particulars	2017-18	2018-19	2019-20
Revenue Subsidy	4260.00	4260.00	2260.00
Agriculture Subsidy	240.00	240.00	240.00
Subsidy against ED	1000.00	1000.00	1000.00
Total	5,500.00	5,500.00	3,500.00

The supporting document with respect to the subsidy committed by GoUP for the FY 2017-18 has been submitted by the Petitioner. However similar documents for the FY 2018-19 and FY 2019-20 are yet to be submitted. The Petitioner must submit the document for the FY 2018-19 and FY 2019-20 as submitted for FY 2017-18.

It may be noted that as per the Regulations, the Commission has to give different tariffs. In one subsidy will be considered while in the other tariff will be without subsidy. The Petitioner has submitted the tariff with subsidy, however the tariff without subsidy has been taken as ACOS. Hence, the Petitioner may provide the break-up of allocation of subsidy to the specified category and Sub-category of consumers. This is required for analysis to check adequacy of present subsidy and computation of additional subsidy requirement (if any) etc.

Licensee's Reply

The Petitioner humbly submits that it has already submitted the copy of the UP Govt. State Budget for FY 2017-18 depicting the approved subsidy for that year, however since the State Govt. budget for FY 2018-19 and FY 2019-20 is not available as of now, the Petitioner for the purpose of the MYT Petition has considered the overall subsidy nos for FY 2018-19 and 2019-20 based on the projections made in the 'UDAY' scheme. In addition the break-up of allocation of

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Chief Engineer (R.A.U.)
UPPCL, Shakti Bhawan Ext.
16, Agboh Marg, Lucknow

subsidy to the specified category and Sub-category of consumers for FY 2017-18 is already provided in the state budget. Further the consumer category wise allocation for subsidy for FY 2018-19 has been considered same as taken for FY 2017-18 and for 2019-20, the total subsidy projected has been allocated among the specified categories as summarized below:

Particulars	2017-18	2018-19	2019-20
Revenue Subsidy – LMV 1 (Rural Consumers)	3760.00	3760.00	2260.00
Agriculture Subsidy– LMV 5 (Rural Agriculture Consumers)	240.00	240.00	240.00
Subsidy against ED	1500.00	1500.00	1000.00
Total	5,500.00	5,500.00	3,500.00

- > In the matter of True- up of FY 2014-15, Consumer Category and Sub-category wise billing determinants along with revenue receipt details must be provided for analysis and subsequent approvals.

Licensee's Reply

The Petitioner humbly submits that the same has already been provided to the Hon'ble Commission in the Load Forecast Model and in also in reply to the 1st Deficiency Note, however the same is once again annexed herewith the reply for the perusal of the Hon'ble Commission, attached herewith marked as "Annexure-4."

- > As you are aware, as per Regulations, the employee cost for the MYT Period i.e. FY 2017-18 to FY 2019-20 will be computed through a clear and documented normative methodology which does not take care of the sanctioned v/s filled posts, or to say, the employee cost for the MYT period is projected on the basis of historical data of actually incurred cost and not what would have incurred as per the sanctioned post at that time.

Further, we find that there is no scope of approving additional employee cost as per the proviso to Regulation 25.1 of MYT Regulations 2014. Under the same proviso, the Petitioner has already claimed the 7th Pay Commission arrears as one-time expenses. The Petitioner must provide Discom-wise the total no of sanctioned posts and filled post for the year FY 2010-11 to FY 2016-17 along with

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Chief Engineer (R.A.U.)
UPPCL, Shakti Bhawan Ext.
14, Ashok Marg, Lucknow

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the actual expenditure which the licensee has incurred and would have incurred if the posts were filled. The Petitioner must also quantitatively / numerically justify its claim based on the findings of the Benchmarking studies. All this is required to analyse the additional claim made by the Petitioner for employee costs.

Licensee's Reply

The Petitioner humbly submits that it has claimed the additional employee cost for the MYT period based on the difference in the sanctioned and actual no. of employees for FY 2014-15 (being the latest financial year, for which the audited accounts are available). The Petitioner has already provided the data of actual no. of employees deployed for the period FY 2010-11 to FY 2016-17, as a part of the O&M calculations submitted earlier, further in light with the recent benchmarking studies conducted by the Discoms and with extensive planning for improving the electricity supply position in the State, the Govt. of Uttar Pradesh, has already initiated the process of filling the vacant posts and is also increasing the sanctioned posts for future years, in order to have adequate in-house strength to ensure the quality and reliable supply to all the consumers of the State.

- > Vetting of Rate Schedule for FY 2017-18 & onwards.

In an exercise to bring in more clarity & easy understanding of Clauses in the Existing Rate Schedule for various stakeholders and also considering the practices which are being followed by the Discoms in the State of Uttar Pradesh and to further remove the redundancies & infirmities in the Rate Schedule, the Revised Rate Schedule has been prepared after several meeting and detailed deliberations with the personnel of UPPCL / RAU / Discoms. The Revised Rate Schedule have been enclosed as Annexure-2 in track change mode. The Petitioner should review the Rate Schedule line by line and submit comments regarding the same along with updated rates proposed. (Kindly note the rates are not revised yet in this rate schedule)

The Petitioner must make the submission immediately in the above matter.

Licensee's Reply

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Chief Engineer (R.A.T.)
UPPCL, Shakti Bhawan Ext.
14, Ashok Marg, Lucknow

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The Petitioner humbly submits that most of points proposed by the Hon'ble Commission in regard to the Tariff Structure have already considered and included in the Revised Tariff Structure filed for the perusal of the Hon'ble Commission. The comments on the balance points require further discussion with the Commission and will be submitted after this discussion as early as possible.

➤ Free electricity connection to the poor families of Urban Area:

In reference to the UPPCL letter no. 1331 dated June 22, 2017 and Govt. of U.P. letter no- 1371/24-1-17-1371/2017 dated June 22, 2017 in the matter of free electricity connection to the poor families of Urban Area where the proposal of the loan amounting Rs. 62.06 Crore in ratio of 10: 90 (equity: loan) is given by M/S PFC Ltd for five year that includes implementation period of 18-month moratorium period of 6 months and repayment period of 3 years. The Commission has following observation in this regard:

- 1) Is this in compliance to the Cost data book approved by the Commission?
- 2) The interest on loan taken will be borne by other consumers (part of ARR). Further, the cost associated (principal amount of loan/cost of meter etc.) will be passed in ARR as depreciation, ultimately burdening the other consumers.
- 3) It is proposed that such type of scheme may be funded by Govt. of Uttar Pradesh through subsidy so that other consumers do not bear the expense.
- 4) The Petitioner is required to submit their comments on the above observations.

Licensee's Reply

The Petitioner humbly submits that in the present State Govt. budget there is no subsidy provision for the aforementioned scheme. Further it is hereby stated that the scheme is designed for the poor families and in line with the National Tariff Policy, 2016, the Distribution Licensee is allowed to cross subsidize its consumers within the range of (+/-)20%, thus the licensee plans to recover the



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UPPCL, Shakti Bhawan Ext.
14, Ashok Marg, Lucknow

cost of the same from other high-end consumers, binding with the provisions of the National Tariff Policy, 2016.

- Release of electricity connection of IT / ITES units under HV-2 category, the Petitioner has submitted that it is pursuing the matter with GoUP, to expedite the process and would submit the details to the Commission accordingly.

Licensee's Reply

The Petitioner humbly submits that the said matter is still under consideration with GoUP and any progress on the same would be reported to the Hon'ble Commission as and when received.

- Introduction of two part Tariff in 'Others' sub-category in metered LMV-9 category consumers, the Petitioner must make the submission immediately, as it required for determination of ARR / Tariff for FY 2017-18.

Licensee's Reply

The Petitioner humbly submits that is accepts the recommendation of the Hon'ble Commission in regard with the Introduction of two part Tariff in 'Others' sub-category for metered LMV-9 category consumers.

- Existing mechanism of subsidy being provided to the subsidized categories –

In recent times, there has been great focus on digital payments and Direct Benefit Transfer in regards to Govt. Subsidy.

In line to the above, the following dispensation could be put up in place in the State of Uttar Pradesh in the coming Tariff Order:

Quote

The Commission is concerned about the existing mechanism of subsidy being provided to the subsidized categories (i.e. Rural Domestic and Private Tube Wells for Irrigation Purpose) as the current mechanism is not transparent and does not hold any accountability.



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UPPCL, Shakti Bhawan ext.
14, Ashok Marg, Lucknow

Taking the above into consideration, the Commission directs the Licensees to introduce the mechanism of transferring subsidy by Direct Benefit Transfer Scheme to the subsidized categories (i.e. Rural Domestic and Private Tube Wells for Irrigation Purpose) in consultation with GoUP. The required subsidy amount for subsidized category of consumers must be then transferred to their Aadhar linked bank account (direct benefit transfer) as already implemented by the Central Government for Domestic LPG etc. Such direct transfer of subsidy shall be more efficient, transparent and will ensure accountability.

Further, the Licensees are directed to chalk out the finer details of the above implementation and issue them in the form of Office Order(s) which should be available at all the offices / billing counters & websites of the Licensees.

Unquote

The Petitioner must make the submission immediately in the above matter.

Licensee's Reply

It is humbly submits that the said matter is under consideration and the Petitioner has already initiated the process of pursuing the same with the State Govt. However, it would be imperative to mention, that transferring subsidy by Direct Benefit Transfer Scheme to the subsidized categories is a major policy decision to be taken considering all aspects related to adequate system development. The study of other states is also required to take advantage of their experience and action is being initiated in this direction.

- Rebate on Payment on or before due date & Scheme for Advance Deposit for Future Monthly Energy Bills - To bring in more simplicity and uniformity, a uniform rate of 1 % p.m. or 12% p.a. shall be made applicable for the below mentioned provisions:

Rebate on Payment on or before due date.

Scheme for Advance Deposit for Future Monthly Energy Bills.



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Chief Engineer (R.A.U.)
UPPCL, Shahid Bhagat
14, Ashok Marg, Lucknow

Surcharge / Penalty for Delayed Payment.

The Petitioner must make the submission immediately in the above matter, as it required for determination of ARR / Tariff for FY 2017-18.

Licensee's Reply

In regard to the Hon'ble Commission's above proposal, the Petitioner humbly submits that the objective of the Licensee's Tariff Proposal in proposing different rates for distinct events was to motivate the consumers for timely and advance payment of and their electricity dues, thus increasing the collection efficiency of the Discom, further higher surcharge / penalty on Delayed Payment would discourage the consumer from untimely deposit of electricity dues. In this regard, it is requested to kindly consider the same in line with the comments to be made by the licensee in respect to the changes proposed in the Tariff Rate Schedule.

➤ **Regulatory Surcharge Computation**

The Petitioner must submit Consumer Category and Sub-category wise details of the Regulatory accounts for Regulatory Surcharge-1 & Regulatory Surcharge-2 separately, since the inception.

Further, an in-house attempt has been made to generate / calculate the details of the Regulatory accounts for Regulatory Surcharge-1 & Regulatory Surcharge-2 separately, since the inception. The Petitioner must make the submission immediately in the above matter, as it required for determination of ARR / Tariff for FY 2017-18.

Licensee's Reply

The Petitioner humbly submits that the Discom wise details of actual Regulatory Surcharge-1 & Regulatory Surcharge-2 billed and collected separately, for the period FY 2013-14 to 2015-16 is attached herewith marked as Annexure-5 for kind perusal of the Hon'ble Commission. Further the same information for FY 2016-17 has already been submitted to the Hon'ble Commission in previous replies.



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Chief Engineer (R.A.U.)
UPPCL, Shakti Bhawan Ext.
14, Ashok Marg, Lucknow

- Renting House / Accommodation through E – Platform. The Petitioner must make the submission immediately in the above matter.

Licensee's Reply

The Petitioner humbly submits that the e-platforms may at any time modify their policy as per their business interests. Thus decision whether the consumers are liable to pay electricity charges on domestic or commercial tariff category can only be taken by the concerned billing unit, based on the language of each of the individual contracts /agreements executed through e-platforms. Any new e-platform may have some difference in the policy. Thus any standard category cannot be decided for e-platforms consumers and the same has to be dealt on case to case basis.



Chief Engineer (R.A.U.)
UPPCL, Shakti Bhawan Ext.
14, Ashok Marg, Lucknow

Annexure-1

Annexure-1

Total

Discoms	Mar-11	Mar-12	Mar-13	Mar-14	Mar-15	Mar-16	Mar-17	Mar-18	Mar-19	Mar-20
DVVNL	214574	215576	216515	217558	231867	269101	297158	322276	348325	371365
MVVNL	166245	169655	175542	176026	188321	198327	272763	279061	285531	295870
PuVVNL	170574	182471	196856	209295	237350	273612	353559	374814	389879	399934
PVVNL	171590	185946	197436	211501	222485	239256	268928	274288	277497	280075
Kesco	3998	4135	4280	4411	4526	4628	4813	5017	5322	5626

33KV

Discoms	Mar-11	Mar-12	Mar-13	Mar-14	Mar-15	Mar-16	Mar-17	Mar-18	Mar-19	Mar-20
DVVNL	606	670	695	747	760	790	847	965	1014	1054
MVVNL	532	549	564	576	634	684	730	828	898	940
PuVVNL	644	664	678	698	842	961	1022	1033	1098	1153
PVVNL	782	812	852	908	980	1034	1156	1246	1293	1341
Kesco	72	72	72	75	78	79	84	88	93	97

11KV

Discoms	Mar-11	Mar-12	Mar-13	Mar-14	Mar-15	Mar-16	Mar-17	Mar-18	Mar-19	Mar-20
DVVNL	213968	214906	215820	216811	231107	268311	296311	321311	347311	370311
MVVNL	165713	169106	174978	175450	187687	197643	272033	278233	284633	294930
PuVVNL	169930	181807	196178	208597	236508	272651	352537	373781	388781	398781
PVVNL	170808	185134	196584	210593	221505	238222	267772	273042	276204	278734
Kesco	3926	4063	4208	4336	4448	4549	4729	4929	5229	5529

Employee Expenses

DVVNL	2010-11	2011-12	2012-13	2013-14	2014-15	Average of 11-15
Gross Employee Costs and Provisions	237.23	239.83	249.42	272.37	309.77	
No. of Consumers	20,56,873	22,80,313	24,26,261	25,66,021	30,99,144	
Norms per 1000 consumer	0.12	0.11	0.10	0.11	0.10	0.11
Number of Substation	214574	215576	216515	217558	231867	
Norms per substation	0.001	0.001	0.001	0.001	0.001	0.001

R&M Expenses

DVVNL	2010-11	2011-12	2012-13	2013-14	2014-15	Average of 11-15
Opening GFA	3,270.46	3,761.63	4,265.08	4,612.64	5,062.05	
Opening Closing	3,761.63	4,265.08	4,612.64	5,062.05	6,005.82	
Average GFA	3,516.05	4,013.36	4,438.86	4,837.35	5,533.94	
R&M Expenses	209.12	215.18	261.10	329.62	316.19	
kb	5.95%	5.36%	5.88%	6.81%	5.71%	5.94%

A&G Expenses

DVVNL	2011-12	2012-13	2013-14	2014-15	Average of 11-15
Gross A&G Expenses	59.64	75.31	79.35	100.86	
No. of Consumers	20,56,873	22,80,313	24,26,261	30,99,144	
Norms per 1000 consumer	0.03	0.03	0.03	0.03	0.03
Number of Employees	5,845.00	5,995.00	6,185.00	6,630.00	
Norms per Employee	0.01	0.01	0.01	0.02	0.01

DVVNL	Base Value	2016-17	2017-18	2018-19	2019-20
CPI Inflation		4.12%	7.21%	7.21%	7.21%
Norms per 1000 consumer (Rs Crore)	0.11	0.14	0.15	0.16	0.17
No. of Consumers		36,63,851	42,18,858	63,43,419	80,15,513
Employee Expenses (Rs Crore) (A)		497.46	614.09	989.87	1,340.91
Norms per substation (Rs Crore)	0.001	0.002	0.002	0.002	0.002
Number of Substation		2,97,158.00	3,22,276.00	3,48,325.00	3,71,365.00
Employee Expenses (Rs Crore) (B)		454.07	527.93	611.71	699.17
Gross Employee Expenses (A+B)/2		475.76	571.01	800.79	1,020.04

R&M Expenses

DVVNL	Base Value	2016-17	2017-18	2018-19	2019-20
Average GFA	-	7,093.58	8,397.22	10,262.78	12,336.55
WPI Index		3.67%	1.83%	1.83%	1.83%
kb	5.94%	6.16%	6.27%	6.39%	6.51%
R&M Expenses		437.10	526.91	655.77	802.73

DVVNL	Base Value	2016-17	2017-18	2018-19	2019-20
CPI Inflation		3.67%	1.83%	1.83%	1.83%
Norms per 1000 consumer (Rs Crore)	0.03	0.04	0.04	0.04	0.04
No. of Consumers		36,63,851	42,18,858	63,43,419	80,15,513
A&G Expenses (A)		138.97	162.96	249.51	321.06
Norms per substation	0.01	0.02	0.02	0.02	0.02
Number of Employees		8,029.00	8,459.00	8,892.00	9,118.00
A&G Expenses (Rs Crore) (B)		122.07	130.96	140.19	146.39
Gross A&G Expenses (A+B)/2		130.52	146.96	194.85	233.72

MVVNL	2010-11	2011-12	2012-13	2013-14	2014-15	Average of 11-15
Gross Employee Costs and Provisions	367.25	379.39	515.52	500.06	481.34	
No. of Consumers	28,64,268	30,29,242	31,57,661	33,36,182	39,84,678	
Norms per 1000 consumer	0.13	0.13	0.16	0.15	0.12	0.14
Number of Substation	166245	169655	175542	176026	188321	
Norms per substation	0.002	0.002	0.003	0.003	0.003	0.003

R&M Expenses

MVVNL	2010-11	2011-12	2012-13	2013-14	2014-15	Average of 11-15
Opening GFA	2,859.48	3,210.14	3,621.92	3,599.34	4,145.18	
Opening Closing	3,210.14	3,621.92	3,599.34	4,145.18	5,053.29	
Average GFA	3,034.81	3,416.03	3,610.63	3,872.26	4,599.24	
R&M Expenses	121.07	142.86	157.09	225.00	284.03	
kb	3.99%	4.18%	4.35%	5.81%	6.18%	4.90%

A&G Expenses

MVVNL	2011-12	2012-13	2013-14	2014-15	Average of 11-15
Gross A&G Expenses	94.36	151.90	178.65	163.71	232.89
No. of Consumers	28,64,268	30,29,242	31,57,661	33,36,182	39,84,678
Norms per 1000 consumer	0.03	0.05	0.06	0.05	0.06
Number of Employees	9,009.00	9,159.00	9,349.00	9,559.00	9,794.00
Norms per Employee	0.01	0.02	0.02	0.02	0.02

MVVNL	Base Value	2016-17	2017-18	2018-19	2019-20
CPI Inflation		4.12%	7.21%	7.21%	7.21%
Norms per 1000 consumer (Rs Crore)	0.14	0.18	0.19	0.20	0.22
No. of Consumers		43,97,878	53,25,660	91,02,971	1,21,18,118
Employee Expenses (Rs Crore) (A)		775.34	1,006.56	1,844.44	2,632.28
Norms per substation (Rs Crore)	0.00	0.00	0.00	0.00	0.00
Number of Substation		2,72,763.00	2,79,061.00	2,85,531.00	2,95,870.00
Employee Expenses (Rs Crore) (B)		815.03	893.93	980.56	1,089.27
Gross Employee Expenses (A+B)/2		795.19	950.24	1,412.50	1,860.78

R&M Expenses

MVVNL	2015-16	2016-17	2017-18	2018-19	2019-20
Average GFA	-	6,487.37	9,136.95	11,711.29	14,008.60
WPI Index		3.67%	1.83%	1.83%	1.83%
kb	4.90%	5.08%	5.17%	5.27%	5.37%
R&M Expenses		329.66	472.80	617.12	751.70

MVVNL	Base Value	2016-17	2017-18	2018-19	2019-20
CPI Inflation		3.67%	1.83%	1.83%	1.83%
Norms per 1000 consumer (Rs Crore)	0.05	0.06	0.06	0.07	0.07
No. of Consumers		43,97,878	53,25,660	91,02,971	1,21,18,118
A&G Expenses (A)		278.80	343.80	598.41	811.22
Norms per substation	0.02	0.02	0.02	0.02	0.02
Number of Employees		9,994.00	11,017.00	12,038.00	13,315.00
A&G Expenses (Rs Crore) (B)		203.48	228.41	254.16	286.27
Gross A&G Expenses (A+B)/2		241.14	286.11	426.28	548.74

PVVNL	2010-11	2011-12	2012-13	2013-14	2014-15	Average of 11-15
Gross Employee Costs and Provisions	311.41	326.45	529.10	392.24	377.56	
No. of Consumers	33,69,635	35,98,915	38,51,327	40,34,772	43,11,967	
Norms per 1000 consumer	0.09	0.09	0.14	0.10	0.09	0.10
Number of Substation	171590	185946	197436	211501	222485	
Norms per substation	0.002	0.002	0.003	0.002	0.002	0.002

R&M Expenses

PVVNL	2010-11	2011-12	2012-13	2013-14	2014-15	Average of 11-15
Opening GFA	4,512.08	5,024.63	5,643.80	6,278.29	6,866.06	
Opening Closing	5,024.63	5,643.80	6,278.29	6,866.06	7,620.31	
Average GFA	4,768.36	5,334.22	5,961.05	6,572.18	7,243.19	
R&M Expenses	143.42	182.88	207.75	207.52	306.96	
kb	3.01%	3.43%	3.49%	3.16%	4.24%	3.46%

A&G Expenses

PVVNL	2010-11	2011-12	2012-13	2013-14	2014-15	Average of 11-15
Gross A&G Expenses	41.91	72.80	64.28	68.26	150.16	
No. of Consumers	33,69,635	35,98,915	38,51,327	40,34,772	43,11,967	
Norms per 1000 consumer	0.01	0.02	0.02	0.02	0.03	0.02
Number of Employees	8,246.00	8,253.00	6,916.00	6,577.00	6,156.00	
Norms per Employee	0.01	0.01	0.01	0.01	0.02	0.01

PVVNL	2015-16	2016-17	2017-18	2018-19	2019-20
CPI Inflation		4.12%	7.21%	7.21%	7.21%
Norms per 1000 consumer (Rs Crore)	0.10	0.13	0.14	0.15	0.16
No. of Consumers	47,12,857	55,81,369	55,81,369	93,67,365	1,23,45,884
Employee Expenses (Rs Crore) (A)	610.73	775.40	775.40	1,395.13	1,971.23
Norms per substation (Rs Crore)	0.00	0.00	0.00	0.00	0.00
Number of Substation	2,68,928.00	2,74,288.00	2,74,288.00	2,77,497.00	2,80,075.00
Employee Expenses (Rs Crore) (B)	616.37	673.95	673.95	730.96	790.91
Gross Employee Expenses (A+B)/2	613.55	724.67	724.67	1,063.05	1,381.07

R&M Expenses

PVVNL	2015-16	2016-17	2017-18	2018-19	2019-20
Average GFA	-	9,326.11	12,201.50	16,180.05	19,743.93
WPI Index		3.67%	1.83%	1.83%	1.83%
kb	3.46%	3.59%	3.66%	3.72%	3.79%
R&M Expenses	-	334.85	446.12	602.42	748.58

PVVNL	2015-16	2016-17	2017-18	2018-19	2019-20
CPI Inflation		3.67%	1.83%	1.83%	1.83%
Norms per 1000 consumer (Rs Crore)	0.02	0.03	0.03	0.03	0.03
No. of Consumers	47,12,857	55,81,369	55,81,369	93,67,365	1,23,45,884
A&G Expenses (A)	122.20	147.37	147.37	251.86	338.03
Norms per substation	0.01	0.01	0.01	0.01	0.01
Number of Employees	6,058.00	6,239.00	6,239.00	6,426.00	6,618.00
A&G Expenses (Rs Crore) (B)	82.11	86.12	86.12	90.32	94.73
Gross A&G Expenses (A+B)/2	102.15	116.74	116.74	171.09	216.38

PuVVNL	2010-11	2011-12	2012-13	2013-14	2014-15	Average of 11-15
Gross Employee Costs and Provisions	376.00	392.59	407.40	461.23	458.26	
No. of Consumers	31,23,456	33,13,883	35,74,661	38,43,877	44,96,629	
Norms per 1000 consumer	0.12	0.12	0.11	0.12	0.10	0.11
Number of Substation	170574	182471	196856	209295	237350	
Norms per substation	0.002	0.002	0.002	0.002	0.002	0.002

R&M Expenses

PuVVNL	2010-11	2011-12	2012-13	2013-14	2014-15	Average of 11-15
Opening GFA	3,058.58	3,469.96	3,915.10	4,257.03	6,318.24	
Opening Closing	3,469.96	3,915.10	4,257.03	6,318.24	6,459.31	
Average GFA	3,264.27	3,692.53	4,086.07	5,287.64	6,388.78	
R&M Expenses	188.43	186.69	266.49	330.75	343.30	
kb	5.77%	5.06%	6.52%	6.26%	5.37%	5.80%

A&G Expenses

PuVVNL	2010-11	2011-12	2012-13	2013-14	2014-15	Average of 11-15
Gross A&G Expenses	57.70	55.06	69.69	120.22	99.37	
No. of Consumers	31,23,456	33,13,883	35,74,661	38,43,877	44,96,629	
Norms per 1000 consumer	0.02	0.02	0.02	0.03	0.02	0.02
Number of Employees	6,589.00	6,739.00	6,929.00	7,139.00	7,377.00	
Norms per Employee	0.01	0.01	0.01	0.02	0.01	0.01

PuVVNL	2015-16	2016-17	2017-18	2018-19	2019-20
CPI Inflation		4.12%	7.21%	7.21%	7.21%
Norms per 1000 consumer (Rs Crore)	0.11	0.15	0.16	0.17	0.18
No. of Consumers	50,02,552	53,95,431	53,95,431	66,38,511	75,72,857
Employee Expenses (Rs Crore) (A)	737.36	852.57	852.57	1,124.58	1,375.30
Norms per substation (Rs Crore)	0.00	0.00	0.00	0.00	0.00
Number of Substation	3,53,559.00	3,74,814.00	3,74,814.00	3,89,879.00	3,99,934.00
Employee Expenses (Rs Crore) (B)	873.00	992.17	992.17	1,106.41	1,216.72
Gross Employee Expenses (A+B)/2	805.18	922.37	922.37	1,115.49	1,296.01

R&M Expenses

PuVVNL	2015-16	2016-17	2017-18	2018-19	2019-20
Average GFA	-	7,787.09	9,239.77	11,465.88	13,793.93
WPI Index		3.67%	1.83%	1.83%	1.83%
kb	5.80%	6.01%	6.12%	6.23%	6.34%
R&M Expenses	-	467.89	565.34	714.40	875.21

PuVVNL	2015-16	2016-17	2017-18	2018-19	2019-20
CPI Inflation		3.67%	1.83%	1.83%	1.83%
Norms per 1000 consumer (Rs Crore)	0.02	0.03	0.03	0.03	0.03
No. of Consumers	50,02,552	53,95,431	53,95,431	66,38,511	75,72,857
A&G Expenses (A)	138.51	152.13	152.13	190.60	221.42
Norms per substation	0.01	0.01	0.01	0.01	0.01
Number of Employees	7,997.00	8,336.00	8,336.00	8,862.00	10,284.00
A&G Expenses (Rs Crore) (B)	107.14	113.73	113.73	123.12	145.49
Gross A&G Expenses (A+B)/2	122.82	132.93	132.93	156.86	183.45

Kesco	2010-11	2011-12	2012-13	2013-14	2014-15	Average of 11-15
Gross Employee Costs and Provisions	93.36	98.48	102.26	103.58	99.42	
No. of Consumers	5,40,117	5,66,597	5,96,585	4,84,089	5,26,035	
Norms per 1000 consumer	0.17	0.17	0.17	0.21	0.19	0.18
Number of Substation	3998	4135	4280	4411	4526	
Norms per substation	0.02	0.02	0.02	0.02	0.02	0.02

R&M Expenses

Kesco	2010-11	2011-12	2012-13	2013-14	2014-15	Average of 11-15
Opening GFA	503.68	547.03	562.87	583.27	616.02	
Opening Closing	547.03	562.88	583.27	616.02	636.33	
Average GFA	525.36	554.96	573.07	599.64	626.18	
R&M Expenses	26.73	25.43	35.16	46.16	46.00	
kb	5.09%	4.58%	6.14%	7.70%	7.35%	6.17%

A&G Expenses

Kesco	2010-11	2011-12	2012-13	2013-14	2014-15	Average of 11-15
Gross A&G Expenses	8.39	11.19	40.75	53.59	57.35	
No. of Consumers	5,40,117	5,66,597	5,96,585	4,84,089	5,26,035	
Norms per 1000 consumer	0.02	0.02	0.07	0.11	0.11	0.06
Number of Employees	933.00	1,083.00	1,273.00	1,483.00	1,718.00	
Norms per Employee	0.01	0.01	0.03	0.04	0.03	0.02

Kesco	2015-16	2016-17	2017-18	2018-19	2019-20
CPI Inflation		4.12%	7.21%	7.21%	7.21%
Norms per 1000 consumer (Rs Crore)	0.18	0.24	0.25	0.27	0.29
No. of Consumers		5,65,964	6,08,948	6,55,257	7,05,152
Employee Expenses (Rs Crore) (A)		133.69	154.21	177.89	205.23
Norms per substation (Rs Crore)	0.02	0.03	0.03	0.03	0.03
Number of Substation		4,813.00	5,017.00	5,322.00	5,626.00
Employee Expenses (Rs Crore) (B)		131.12	146.53	166.63	188.84
Gross Employee Expenses (A+B)/2		132.40	150.37	172.26	197.04

R&M Expenses

Kesco	2015-16	2016-17	2017-18	2018-19	2019-20
Average GFA	-	671.96	789.93	972.43	1,180.23
WPI Index		3.67%	1.83%	1.83%	1.83%
kb	6.17%	6.40%	6.51%	6.63%	6.75%
R&M Expenses	-	42.98	51.45	64.50	79.72

Kesco	2016-17	2017-18	2018-19	2019-20
CPI Inflation		3.67%	1.83%	1.83%
Norms per 1000 consumer (Rs Crore)	0.06	0.08	0.08	0.09
No. of Consumers		5,65,964	6,08,948	6,55,257
A&G Expenses (A)		46.93	51.42	56.34
Norms per substation	0.02	0.03	0.03	0.03
Number of Employees		1,982.00	2,246.00	2,281.00
A&G Expenses (Rs Crore) (B)		56.01	64.63	66.84
Gross A&G Expenses (A+B)/2		51.47	58.03	61.59

Annexure-2

ARR/MYT Summary for the 1st Control Period i.e. FY 2017-18 to 2019-20

Particulars	2017-18	2018-19	2019-20
	Projection	Projection	Projection
Power Purchase Expenses	50,105.13	61,987.51	75,789.59
Apportionment of O&M Expenses of UPPCL#	198.23	205.95	213.97
Transmission Charges	2,425.22	3,323.42	4,314.52
Employee Expenses	5,560.67	7,105.24	8,409.87
Repair and Maintenance Expenses	2,062.63	2,654.22	3,257.94
A&G Expenses	740.76	1,010.68	1,247.68
Gross Interest on Long Term Loans	1,811.04	2,454.29	2,759.43
Interest on Bonds	-	-	-
Interest to Consumer	274.94	320.30	381.54
Finance Charges	80.13	83.25	86.49
Interest on Working Capital	852.15	1,080.70	1,297.80
Discount to Consumers	-	-	-
Depreciation	1,128.72	1,601.57	2,028.64
Prior Period Expenses	-	-	-
Other Misc Expenses / Incomes	-	-	-
Provision for Bad and Doubtful Debts	685.37	738.58	788.31
Gross Expenditure	65,924.99	82,565.72	1,00,575.78
Less: Employee Capitalisation	834.10	1,065.79	1,261.48
Less: A&G Capitalisation	111.11	151.60	187.15
Less: Interest Capitalisation	416.54	564.49	634.67
Total Capitalisation	1,361.76	1,781.87	2,083.30
Net Expenditure	64,563.23	80,783.84	98,492.48
Add: Return on Equity	1,628.11	2,075.06	2,507.29
Less: Non-tariff Incomes	113.39	117.81	122.39
Annual Revenue Requirement (Rs. Crore)	66,077.96	82,741.09	1,00,877.38
Revenue from Tariff incl DPS (Rs. Crore)	49,820.88	62,331.33	73,949.49
Net Revenue Gap (Rs. Crore)	(16,257.07)	(20,409.77)	(26,927.89)
Energy Handled (MU)	94,795	1,18,163	1,44,872
Cost of Sales (Rs./kWh)	6.97	7.00	6.96
Thru Rate (Rs./kWh)	5.26	5.28	5.10

ARR/MYT Summary for the 1st Control Period i.e. FY 2017-18 to 2019-20 - DVVNL

Particulars	2017-18	2018-19	2019-20
	Projection	Projection	Projection
Power Purchase Expenses	10,335.02	12,817.89	15,566.81
Apportionment of O&M Expenses of UPPCL#	40.89	42.59	43.95
Transmission Charges	500.24	687.22	886.18
Employee Expenses	851.03	1,126.62	1,353.94
Repair and Maintenance Expenses	526.91	655.77	802.73
A&G Expenses	146.96	194.85	233.72
Gross Interest on Long Term Loans	388.85	519.53	619.72
Interest to Consumer	44.96	48.10	51.58
Finance Charges	0.69	0.72	0.75
Interest on Working Capital	204.61	257.88	306.28
Depreciation	178.45	234.55	295.71
Provision for Bad and Doubtful Debts	189.32	202.19	214.21
Gross Expenditure	13,407.95	16,787.92	20,375.56
Less: Employee Capitalisation	127.66	168.99	203.09
Less: A&G Capitalisation	22.04	29.23	35.06
Less: Interest Capitalisation	89.44	119.49	142.54
Total Capitalisation	239.14	317.71	380.68
Net Expenditure	13,168.81	16,470.21	19,994.88
Add: Return on Equity	335.02	412.03	497.64
Less: Non-tariff Incomes	29.78	30.94	32.15
Annual Revenue Requirement	13,474.05	16,851.30	20,460.37
Revenue from Tariff incl DPS	10,742.36	12,950.78	14,986.67
Net Revenue Gap	(2,731.69)	(3,900.52)	(5,473.70)

ARR/MYT Summary for the 1st Control Period i.e. FY 2017-18 to 2019-20 - MVVNL

Particulars	2017-18	2018-19	2019-20
	Projection	Projection	Projection
Power Purchase Expenses	9,888.30	13,260.31	17,349.55
Apportionment of O&M Expenses of UPPCL#	39.12	44.06	48.98
Transmission Charges	478.62	710.94	987.67
Employee Expenses	1,369.02	1,917.05	2,402.02
Repair and Maintenance Expenses	472.80	617.12	751.70
A&G Expenses	286.11	426.28	548.74
Gross Interest on Long Term Loans	366.64	442.27	471.33
Interest to Consumer	39.96	42.44	45.14
Finance Charges	27.76	28.84	29.96
Interest on Working Capital	202.54	283.72	369.13
Depreciation	342.23	464.06	564.12
Provision for Bad and Doubtful Debts	130.97	141.27	152.35
Gross Expenditure	13,644.08	18,378.36	23,720.70
Less: Employee Capitalisation	205.35	287.56	360.30
Less: A&G Capitalisation	42.92	63.94	82.31
Less: Interest Capitalisation	84.33	101.72	108.41
Total Capitalisation	332.60	453.22	551.02
Net Expenditure	13,311.49	17,925.14	23,169.68
Add: Return on Equity	382.45	488.72	583.56
Less: Non-tariff Incomes	28.50	29.61	30.76
Annual Revenue Requirement	13,665.44	18,384.25	23,722.47
Revenue from Tariff incl DPS	10,034.32	13,192.15	16,595.12
Net Revenue Gap	(3,631.12)	(5,192.11)	(7,127.35)

ARR/MYT Summary for the 1st Control Period i.e. FY 2017-18 to 2019-20 - PVVNL

Particulars	2017-18	2018-19	2019-20
	Projection	Projection	Projection
Power Purchase Expenses	15,119.77	18,204.76	21,964.64
Apportionment of O&M Expenses of UPPCL#	59.82	60.49	62.01
Transmission Charges	731.84	976.04	1,250.39
Employee Expenses	1,229.29	1,643.90	1,994.52
Repair and Maintenance Expenses	446.12	602.42	748.58
A&G Expenses	116.74	171.09	216.38
Gross Interest on Long Term Loans	659.15	944.48	1,039.50
Interest to Consumer	109.59	142.07	189.08
Finance Charges	51.65	53.67	55.76
Interest on Working Capital	209.07	231.01	263.51
Depreciation	276.07	460.59	615.24
Provision for Bad and Doubtful Debts	102.67	112.53	123.54
Gross Expenditure	19,111.79	23,603.03	28,523.15
Less: Employee Capitalisation	184.39	246.58	299.18
Less: A&G Capitalisation	17.51	25.66	32.46
Less: Interest Capitalisation	151.61	217.23	239.08
Total Capitalisation	353.51	489.48	570.72
Net Expenditure	18,758.27	23,113.56	27,952.43
Add: Return on Equity	504.47	668.71	815.82
Less: Non-tariff Incomes	26.45	27.48	28.56
Annual Revenue Requirement	19,236.29	23,754.78	28,739.70
Revenue from Tariff incl DPS	15,299.01	19,184.26	22,946.79
Net Revenue Gap	(3,937.28)	(4,570.52)	(5,792.91)

ARR/MYT Summary for the 1st Control Period i.e. FY 2017-18 to 2019-20 - PuVVNL

Particulars	2017-18	2018-19	2019-20
	Projection	Projection	Projection
Power Purchase Expenses	12,861.12	15,524.73	18,469.28
Apportionment of O&M Expenses of UPPCL#	50.88	51.58	52.14
Transmission Charges	622.51	832.35	1,051.41
Employee Expenses	1,819.99	2,093.40	2,308.88
Repair and Maintenance Expenses	565.34	714.40	875.21
A&G Expenses	132.93	156.86	183.45
Gross Interest on Long Term Loans	386.85	527.78	601.14
Interest to Consumer	68.41	74.95	82.22
Finance Charges	0.02	0.02	0.03
Interest on Working Capital	185.93	252.18	296.94
Depreciation	312.80	415.49	518.14
Provision for Bad and Doubtful Debts	216.78	233.75	246.89
Gross Expenditure	17,223.57	20,877.49	24,685.73
Less: Employee Capitalisation	273.00	314.01	346.33
Less: A&G Capitalisation	19.94	23.53	27.52
Less: Interest Capitalisation	88.98	121.39	138.26
Total Capitalisation	381.91	458.93	512.11
Net Expenditure	16,841.66	20,418.56	24,173.62
Add: Return on Equity	375.90	467.80	563.90
Less: Non-tariff Incomes	18.28	18.99	19.73
Annual Revenue Requirement	17,199.28	20,867.37	24,717.79
Revenue from Tariff incl DPS	11,038.57	14,026.30	16,162.92
Net Revenue Gap	(6,160.71)	(6,841.07)	(8,554.87)

ARR/MYT Summary for the 1st Control Period i.e. FY 2017-18 to 2019-20 - Kesco

Particulars	2017-18	2018-19	2019-20
	Projection	Projection	Projection
Power Purchase Expenses	1,900.91	2,179.81	2,439.31
Apportionment of O&M Expenses of UPPCL#	7.52	7.24	6.89
Transmission Charges	92.01	116.87	138.86
Employee Expenses	291.33	324.28	350.52
Repair and Maintenance Expenses	51.45	64.50	79.72
A&G Expenses	58.03	61.59	65.39
Gross Interest on Long Term Loans	9.55	20.22	27.75
Interest to Consumer	12.02	12.74	13.52
Finance Charges	0.00	0.00	0.00
Interest on Working Capital	49.99	55.92	61.94
Depreciation	19.17	26.88	35.43
Provision for Bad and Doubtful Debts	45.62	48.85	51.31
Gross Expenditure	2,537.60	2,918.90	3,270.64
Less: Employee Capitalisation	43.70	48.64	52.58
Less: A&G Capitalisation	8.70	9.24	9.81
Less: Interest Capitalisation	2.20	4.65	6.38
Total Capitalisation	54.60	62.53	68.77
Net Expenditure	2,483.00	2,856.37	3,201.87
Add: Return on Equity	30.26	37.80	46.38
Less: Non-tariff Incomes	10.37	10.78	11.20
Annual Revenue Requirement	2,502.89	2,883.40	3,237.05
Revenue from Tariff incl DPS	2,706.62	2,977.84	3,257.99
Net Revenue Gap	203.73	94.44	20.94

SUMMARY OF POWER PURCHASE COST FY 2017-18

Source of Power	MW Available	MU	Fixed Cost		Variable Cost		Total Cost		Average Cost
			(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)
Procurement of power from State Sector Generating Stations									
Thermal Stations									
Anpara A	630	3,535	0.79	280	2.08	736	2.87	1,015	2.87
Anpara B	1,000	7,055	0.67	473	2.02	1,422	2.69	1,895	2.69
Harduaganj	105	206	2.35	48	4.84	100	7.19	148	7.19
Obra A	194	40	2.59	10	2.35	9	4.94	20	4.94
Obra B	1,000	2,769	0.69	192	2.27	630	2.97	821	2.97
Panki	210	232	1.63	38	3.88	90	5.51	128	5.51
Parichha	220	172	1.06	18	4.19	72	5.25	90	5.25
Parichha Extn.	420	2,411	1.35	324	3.53	851	4.88	1,176	4.88
Parichha Extn.	500	2,790	1.81	505	3.53	985	5.34	1,490	5.34
Stage II									
Harduaganj Ext.	500	2,790	1.97	549	3.82	1,066	5.79	1,615	5.79
Anpara D	1,000	5,779	2.23	1,288	1.87	1,083	4.10	2,372	4.10
Sub total - Thermal	5779	27778		3726		7045		10771	3.88
Per unit Avg Rate of Thermal Generation								3.88	
Hydro Stations									
Khara	58	217	0.81	18			0.81	18	0.81
Matatila	20	81	0.75	6			0.75	6	0.75
Obra (Hydel)	99	217	0.70	15			0.70	15	0.70
Rihand	255	469	0.64	30			0.64	30	0.64
UGC Power Stations	14	22	2.39	5			2.39	5	2.39
Belka & Babail	6	2	2.25	0			2.25	0	2.25
Sheetla	4	2	2.84	1			2.84	1	2.84
Sub total - Hydro	455	1009		75.07		0.00		75.07	0.74
Purchase Per unit Avg Rate from hydro generating stations									
Sub-Total Own generation	6234	28788		3,801.03		7,044.73		10,845.76	3.77
Procurement of power from Central Sector Generating Stations									
Anta	100	43	2.99	13	2.84	12	5.82	25	5.82
Auriya	223	95	2.66	25	3.40	32	6.06	58	6.06
Dadri Thermal	84	539	0.86	46	3.54	191	4.40	237	4.40
Dadri Gas	254	217	1.19	26	2.75	60	3.94	85	3.94
Dadri Extension	135	874	1.47	129	3.28	286	4.75	415	4.75
Rihand-I	360	2,415	0.84	203	1.85	447	2.70	651	2.70
Rihand-II	333	2,751	0.72	198	1.68	463	2.40	660	2.40
Singrauli	823	6,173	0.58	355	1.71	1,056	2.29	1,411	2.29
Tanda	440	2,985	1.19	356	3.34	996	4.53	1,351	4.53
Unchahar-I	256	1,670	0.99	165	3.07	513	4.06	678	4.06
Unchahar-II	146	1,143	0.76	87	3.09	353	3.84	439	3.84
Unchahar-III	72	570	1.07	61	3.36	192	4.43	253	4.43
Farakka	33	231	0.86	20	2.77	64	3.63	84	3.63
Kahalgaon St. I	77	550	0.97	53	2.60	143	3.57	196	3.57
Kahalgaon St. II	251	1,906	1.01	193	2.33	445	3.35	638	3.35
Ph. I									
Koldam (Hydro)	159	1,101	2.15	236	2.21	244	4.36	480	4.36
Rihand-III	361	2,823	1.36	385	1.72	486	3.08	871	3.08
Sub-Total NTPC	4106	26086		2551		5982		8533	3.27
Chamera	109	434	0.75	33	0.75	33	1.50	65	1.50
Chamera-II	70	324	0.93	30	0.93	30	1.85	60	1.85
Chamera-III	52	200	2.35	47	2.35	47	4.70	94	4.70
Dhaultiganga	62	204	1.62	33	1.62	33	3.24	66	3.24

SUMMARY OF POWER PURCHASE COST FY 2017-18

Source of Power	MW Available	MU	Fixed Cost		Variable Cost		Total Cost		Average Cost
			(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)
Salal I&II	48	225	0.48	11	0.58	11	1.07	22	0.97
Tanakpur	21	63	2.23	14	2.23	14	4.46	28	4.46
Uri	96	548	0.67	36	0.67	36	1.33	73	1.33
Dulhasti	94	528	2.10	111	2.10	111	4.20	222	4.20
Sewa-II	30	113	2.26	26	2.26	26	4.52	51	4.52
Uri-II	56	346	1.57	54	1.57	54	3.14	109	3.14
Parbati ST-III	116	149	2.03	30	2.03	30	4.06	61	4.06
Kishanganga HEP	64	277	2.40	66	2.40	66	4.80	133	4.80
Sub-Total NHPC	818	3411		491		491		983	2.88
NAPP	147	1,015	-	-	2.75	280	2.75	280	2.75
RAPP #3&4	81	552	-	-	3.20	177	3.20	177	3.20
RAPP#5&6	101	629	-	-	3.86	243	3.86	243	3.86
Sub-Total NPCIL	329	2197				699.66		699.66	3.19
NATHPA JHAKRI HPS	242	1,265	1.63	207	1.46	185	3.10	392	3.10
RAMPUR	96	375	2.03	76	1.75	66	3.78	142	3.78
TALA POWER	45	158	-	-	2.11	33	2.11	33	2.11
Koteshwar	161	530	2.03	108	1.97	105	4.01	212	4.01
Srinagar	290	1,135	3.25	369	2.59	294	5.84	663	5.84
Sasan	495	3,686	0.17	63	1.76	650	1.93	713	1.93
MB Power	361	2,530	2.66	673	1.44	365	4.10	1,038	4.10
KSK	1,000	4,783	2.07	989	2.31	1,107	4.38	2,096	4.38
TRN Energy	390	1,271	1.90	242	1.41	179	3.31	421	3.31
Karcham-Wangtoo	200	174	-	-	4.13	72	4.13	72	4.13
VISHNUPRAYAG	352	2,082	0.76	158	1.45	302	2.21	460	2.21
TEHRI STAGE-I	388	1,344	2.91	391	2.86	384	5.77	775	5.77
Rosa Power Project	600	3,826	1.65	633	3.27	1,251	4.92	1,883	4.92
Rosa Power Project	600	3,826	1.65	633	3.27	1,252	4.93	1,885	4.93
Bara	1,782	9,910	1.68	1,663	2.49	2,467	4.17	4,130	4.17
Anpara 'C'	1,100	7,453	0.92	689	3.00	2,233	3.92	2,922	3.92
IGSTPP, Jhajhjar	17	87	2.58	22	4.35	38	6.93	60	6.93
Bajaj Hindusthan	450	607	2.34	142	4.18	254	6.52	396	6.52
Lalitpur	1,980	10,626	2.05	2,173	2.97	3,153	5.01	5,326	5.01
RKM Powergen	350	1,996	2.37	473	1.47	293	3.84	766	3.84
Teesta	200	484	2.00	97	2.00	97	4.00	193	4.00
Sub-Total IPP/JV	11099	58147		9799		14778		24577	4.23
Captive and Cogen	-	3,412	-	-	5.18	1,766	5.18	1,766	5.18
Inter system exchange (Bilateral & PXIL, IEX) / UI	-	862	-	-	3.80	328	3.80	328	3.80
Renewable Energy	-	553	-	-	6.46	358	6.46	358	6.46

SUMMARY OF POWER PURCHASE COST FY 2017-18

Source of Power	MW Available	MU	Fixed Cost		Variable Cost		Total Cost		Average Cost
			(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)
NVVN Coal Power	-	352	-	-	5.12	180	5.12	180	5.12
Sub-Total : Co-Generation & Other Sources	-	5180				2,631.29		2,631.29	5.08
Grand Total of Power Purchase	22585	123808	1.34	16,642.65	2.55	31,627.1	3.90	48,269.71	3.90

SUMMARY OF POWER PURCHASE COST FY 2018-19

Source of Power	MW Available	MU	Fixed Cost		Variable Cost		Total Cost		Average Cost
			(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)
Procurement of power from State Sector Generating Stations									
Thermal Stations									
Anpara A	630	4,040	0.79	320	2.17	875	2.96	1,194	2.96
Anpara B	1,000	7,055	0.69	486	2.10	1,479	2.79	1,965	2.79
Harduaganj	-	-	-	-	-	-	-	-	-
Obra A	-	-	-	-	-	-	-	-	-
Obra B	1,000	3,955	0.72	283	2.36	935	3.08	1,219	3.08
Panki	-	-	-	-	-	-	-	-	-
Parichha	-	-	-	-	-	-	-	-	-
Parichha Extn.	420	2,846	1.34	382	3.67	1,045	5.02	1,427	5.02
Parichha Extn. Stage II	500	3,388	1.79	607	3.67	1,244	5.46	1,851	5.46
Harduaganj Ext.	500	3,388	1.94	659	3.97	1,346	5.92	2,005	5.92
Anpara D	1,000	7,018	2.23	1,568	1.95	1,368	4.18	2,936	4.18
Sub total - Thermal	5050	31690		4304		8293		12597	3.98
Per unit Avg Rate of Thermal Generation								3.98	
Hydro Stations									
Khara	58	217	0.85	18			0.85	18	0.85
Matatila	20	81	0.78	6			0.78	6	0.78
Obra (Hydel)	99	217	0.73	16			0.73	16	0.73
Rihand	255	469	0.66	31			0.66	31	0.66
UGC Power Stations	14	22	2.49	5			2.49	5	2.49
Belka & Babail	6	2	2.25	0			2.25	0	2.25
Sheetla	4	2	2.95	1			2.95	1	2.95
Sub total - Hydro	455	1009		78.05		0.00		78.05	0.77
Purchase Per unit Avg Rate from hydro generating stations								0.77	
Sub-Total Own generation	5505	32699		4,382.29		8,292.87		12,675.16	3.88
Procurement of power from Central Sector Generating Stations									
Anta	-	-	-	-	-	-	-	-	-
Auriya	-	-	-	-	-	-	-	-	-
Dadri Thermal	84	539	0.89	50	3.68	198	4.57	248	4.60
Dadri Gas	-	-	-	-	-	-	-	-	-
Dadri Extension	135	897	1.37	127	3.41	306	4.78	433	4.83
Rihand-I	360	2,473	0.87	210	1.93	477	2.80	687	2.78
Rihand-II	333	2,751	0.72	165	1.75	481	2.47	647	2.35
Singrauli	823	6,173	0.67	373	1.78	1,098	2.45	1,471	2.38
Tanda	440	2,985	1.30	366	3.47	1,035	4.77	1,402	4.70
Unchahar-I	256	1,670	1.01	171	3.19	533	4.21	705	4.22
Unchahar-II	146	1,143	0.93	90	3.21	367	4.13	456	3.99
Unchahar-III	72	570	1.29	61	3.50	199	4.78	260	4.56
Farakka	33	231	0.92	21	2.88	66	3.80	87	3.78
Kahalgaon St. I	77	550	1.09	55	2.71	149	3.79	204	3.71
Kahalgaon St. II Ph. I	251	1,906	1.12	192	2.43	463	3.54	655	3.44
Koldam (Hydro)	80	551	1.56	246	2.30	127	3.86	373	6.77
Rihand-III	361	2,823	1.67	400	1.79	505	3.46	906	3.21
Uchchahar-IV	117	626	1.29	81	3.50	219	4.78	299	4.78
Sub-Total NTPC	3567	25887		2608		6224		8832	3.41
Chamera	109	434	0.77	33	0.78	33	1.55	67	1.54
Chamera-II	70	324	0.94	30	0.96	30	1.90	61	1.88
Chamera-III	52	200	2.45	49	2.45	49	4.89	98	4.89
Dhauliganga	62	204	1.30	27	1.68	27	2.99	53	2.60

SUMMARY OF POWER PURCHASE COST FY 2018-19

Source of Power	MW Available	MU	Fixed Cost		Variable Cost		Total Cost		Average Cost
			(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)
Salal I&II	48	225	0.51	11	0.61	11	1.12	23	1.02
Tanakpur	21	63	2.34	15	2.32	15	4.65	29	4.67
Uri	96	548	0.68	37	0.69	37	1.37	74	1.35
Dulhasti	94	528	2.07	109	2.18	109	4.26	219	4.14
Sewa-II	30	113	2.35	27	2.35	27	4.70	53	4.70
Uri-II	56	346	1.54	53	1.63	53	3.17	107	3.08
Parbati ST-II	155	268	2.11	57	2.11	57	4.23	113	4.23
Parbati ST-III	116	149	2.11	32	2.11	32	4.23	63	4.23
Kishanganga HEP	64	277	2.45	68	2.45	68	4.90	136	4.90
Parbati II	155	671	2.45	164	2.45	164	4.90	329	4.90
Sub-Total NHPC	1128	4350		712		712		1425	3.27
NAPP	166	1,148	-	-	2.86	329	2.86	329	2.86
RAPP #3&4	80	543	-	-	3.33	181	3.33	181	3.33
RAPP#5&6	115	765	-	-	4.02	307	4.02	307	4.02
Sub-Total NPCIL	361	2456				817.30		817.30	3.33
NATHPA JHAKRI HPS	242	1,265	1.70	215	1.52	192	3.22	407	3.22
RAMPUR	62	270	2.11	57	1.82	49	3.93	106	3.93
TALA POWER	45	197	-	-	2.19	43	2.19	43	2.19
Koteshwar	161	697	2.11	147	2.05	143	4.17	290	4.17
Srinagar	290	1,261	3.38	426	2.69	339	6.07	766	6.07
Sasan	495	3,686	0.18	65	1.83	676	2.01	741	2.01
MB Power	361	2,688	2.77	744	1.50	403	4.27	1,147	4.27
KSK	1,000	6,377	2.15	1,372	2.41	1,535	4.56	2,907	4.56
TRN Energy	390	2,224	1.98	440	1.47	326	3.45	766	3.45
Karcham-Wangtoo	200	870	-	-	4.29	374	4.29	374	4.29
VISHNUPRAYAG	352	2,082	0.79	164	1.51	314	2.30	478	2.30
TEHRI STAGE-I	388	1,680	3.02	508	2.97	499	6.00	1,007	6.00
Rosa Power Project	600	4,066	1.54	627	3.40	1,382	4.94	2,009	4.94
Rosa Power Project	600	4,066	1.54	627	3.40	1,384	4.95	2,011	4.95
Bara	1,782	12,572	1.75	2,194	2.59	3,254	4.33	5,449	4.33
Anpara 'C'	1,100	7,453	0.96	717	3.12	2,323	4.08	3,039	4.08
IGSTPP, Jhajhjar	17	120	2.69	32	4.52	54	7.21	87	7.21
Bajaj Hindusthan	-	-	-	-	-	-	-	-	-
Lalitpur	1,980	13,895	1.56	2,173	3.09	4,288	4.65	6,461	4.65
RKM Powergen	350	2,424	2.46	597	1.53	370	3.99	968	3.99
Teesta	200	967	2.08	201	2.08	201	4.16	402	4.16
NTPC Meja	495	2,420	2.23	541	2.30	557	4.53	1,097	4.53
Sub-Total IPP/JV	11110	71280		11849		18707		30556	4.29
Captive and Cogen	-	3,412	-	-	5.38	1,837	5.38	1,837	5.38
Inter system exchange (Bilateral & PXIL, IEX) / UI	-	5,711	-	-	4.00	2,284	4.00	2,284	4.00
Renewable Energy	-	1,999	-	-	5.04	1,008	5.04	1,008	5.04

SUMMARY OF POWER PURCHASE COST FY 2018-19

Source of Power	MW Available	MU	Fixed Cost		Variable Cost		Total Cost		Average Cost
			(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)
NVVN Coal Power	-	352	-	-	5.33	187	5.33	187	5.33
Sub-Total : Co-Generation & Other Sources	-	11473				5,316.02		5,316.02	4.63
Grand Total of Power Purchase	21670	148146	1.32	19,551.24	2.70	40,069.6	4.02	59,620.85	4.02

SUMMARY OF POWER PURCHASE COST FY 2019-20

Source of Power	MW Available	MU	Fixed Cost		Variable Cost		Total Cost		Average Cost
			(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)
Procurement of power from State Sector Generating Stations									
Thermal Stations									
Anpara A	630	4,292	0.82	353	2.25	966	3.07	1,320	3.07
Anpara B	1,000	7,055	0.72	505	2.18	1,538	2.90	2,044	2.90
Harduaganj	-	-	-	-	-	-	-	-	-
Obra A	-	-	-	-	-	-	-	-	-
Obra B	1,000	6,328	0.75	472	2.46	1,556	3.20	2,028	3.20
Panki	-	-	-	-	-	-	-	-	-
Parichha	-	-	-	-	-	-	-	-	-
Parichha Extn.	420	2,846	1.40	397	3.82	1,087	5.22	1,484	5.22
Parichha Extn.	500	3,388	1.86	631	3.82	1,294	5.68	1,925	5.68
Stage II									
Harduaganj Ext.	500	3,388	2.02	685	4.13	1,400	6.15	2,085	6.15
Anpara D	1,000	7,018	2.32	1,631	2.03	1,423	4.35	3,053	4.35
Sub total - Thermal	5050	34315		4674		9265		13939	4.06
Per unit Avg Rate of Thermal Generation								4.06	
Hydro Stations									
Khara	58	217	0.88	19			0.88	19	0.88
Matatila	20	81	0.81	7			0.81	7	0.81
Obra (Hydel)	99	217	0.76	16			0.76	16	0.76
Rihand	255	469	0.69	32			0.69	32	0.69
UGC Power Stations	14	22	2.59	6			2.59	6	2.59
Belka & Babail	6	2	2.34	0			2.34	0	2.34
Sheetla	4	2	3.07	1			3.07	1	3.07
Sub total - Hydro	455	1009		81.17		0.00		81.17	0.80
Purchase Per unit Avg Rate from hydro generating stations								0.80	
Sub-Total Own generation	5505	35325		4,755.24		9,265.07		14,020.32	3.97
Procurement of power from Central Sector Generating Stations									
Anta	-	-	-	-	-	-	-	-	-
Auriya	-	-	-	-	-	-	-	-	-
Dadri Thermal	84	539	0.92	52	3.83	206	4.75	258	4.78
Dadri Gas	-	-	-	-	-	-	-	-	-
Dadri Extension	135	897	1.42	133	3.54	318	4.97	450	5.02
Rihand-I	360	2,473	0.90	219	2.00	496	2.91	714	2.89
Rihand-II	333	2,751	0.75	172	1.82	501	2.57	673	2.45
Singrauli	823	6,173	0.70	388	1.85	1,142	2.55	1,530	2.48
Tanda	440	2,985	1.35	381	3.61	1,077	4.96	1,458	4.88
Unchahar-I	256	1,670	1.05	178	3.32	555	4.38	733	4.39
Unchahar-II	146	1,143	0.96	93	3.34	381	4.30	474	4.15
Unchahar-III	72	570	1.34	63	3.64	207	4.97	271	4.75
Farakka	33	231	0.95	21	3.00	69	3.95	91	3.93
Kahalgaon St. I	77	550	1.13	57	2.82	155	3.94	212	3.86
Kahalgaon St. II	251	1,906	1.16	200	2.52	481	3.69	681	3.57
Ph.I									
Koldam (Hydro)	80	551	1.56	256	2.39	132	3.95	387	7.04
Rihand-III	361	2,823	1.74	416	1.86	526	3.60	942	3.34
Tanda Stage-II	155	830	1.35	112	3.61	299	4.96	412	4.96
Uchchahar-IV	117	819	1.35	111	3.67	301	5.02	411	5.02
Sub-Total NTPC	3722	26910		2852		6845		9697	3.60
Chamera	109	434	0.77	33	0.81	33	1.58	67	1.54
Chamera-II	70	324	0.94	30	1.00	30	1.94	61	1.88
Chamera-III	52	200	2.45	49	2.54	49	4.99	98	4.89
Dhauliganga	62	204	1.30	27	1.75	27	3.05	53	2.60

SUMMARY OF POWER PURCHASE COST FY 2019-20

Source of Power	MW Available	MU	Fixed Cost		Variable Cost		Total Cost		Average Cost
			(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)
Salal I&II	48	225	0.51	11	0.63	11	1.14	23	1.02
Tanakpur	21	63	2.34	15	2.41	15	4.75	29	4.67
Uri	96	548	0.68	37	0.72	37	1.40	74	1.35
Dulhasti	94	528	2.07	109	2.27	109	4.34	219	4.14
Sewa-II	30	113	2.35	27	2.44	27	4.80	53	4.70
Uri-II	56	346	1.54	53	1.70	53	3.24	107	3.08
Parbati ST-II	160	277	2.20	61	2.20	61	4.40	122	4.40
Parbati ST-III	116	149	2.11	32	2.20	32	4.31	63	4.23
Tapovan Vishnu Gad	101	262	2.45	64	2.45	64	4.90	128	4.90
Kishanganga HEP	64	277	2.55	71	2.55	71	5.10	141	5.10
Vishnugarh Pipalkoti	166	431	2.60	112	2.60	112	5.20	224	5.20
Parbati II	155	671	2.55	171	2.55	171	5.10	342	5.10
Kameng	55	143	2.60	37	2.60	37	5.20	74	5.20
Sub-Total NHPC	1455	5195		939		939		1878	3.62
NAPP	166	1,148	-	-	2.98	342	2.98	342	2.98
RAPP #3&4	80	543	-	-	3.47	188	3.47	188	3.47
RAPP#5&6	115	765	-	-	4.18	320	4.18	320	4.18
RAPP#7&8	162	634	-	-	4.18	265	4.18	265	4.18
Sub-Total NPCIL	523	3090				1115		1115	3.61
NATHPA JHAKRI HPS	242	1,265	1.77	224	1.58	200	3.35	424	3.35
RAMPUR	62	324	2.20	71	1.89	61	4.09	133	4.09
TALA POWER	45	236	-	-	2.28	54	2.28	54	2.28
Koteshwar	161	836	2.20	184	2.14	179	4.33	362	4.33
Srinagar	290	1,514	3.51	532	2.80	424	6.31	955	6.31
Sasan	495	3,686	0.18	68	1.91	703	2.09	771	2.09
MB Power	361	2,688	2.88	773	1.56	419	4.44	1,192	4.44
KSK	1,000	6,377	2.24	1,427	2.50	1,596	4.74	3,023	4.74
TRN Energy	390	2,542	2.06	523	1.53	388	3.58	911	3.58
Karcham-Wangtoo	200	1,131	-	-	4.47	505	4.47	505	4.47
VISHNUPRAYAG	352	2,296	0.82	188	1.57	361	2.39	549	2.39
TEHRI STAGE-I	388	2,587	3.14	813	3.09	800	6.24	1,613	6.24
Rosa Power Project	600	4,066	1.54	627	3.54	1,437	5.08	2,065	5.08
Rosa Power Project	600	4,066	1.54	627	3.54	1,439	5.08	2,066	5.08
Bara	1,782	12,572	1.82	2,282	2.69	3,385	4.51	5,666	4.51
Anpara 'C'	1,100	7,453	1.00	745	3.24	2,415	4.24	3,161	4.24
IGSTPP, Jhajhjar	17	120	2.80	34	4.70	56	7.50	90	7.50
Bajaj Hindusthan	-	-	-	-	-	-	-	-	-
Lalitpur	1,980	13,895	1.56	2,173	3.21	4,459	4.77	6,633	4.77
RKM Powergen	350	2,424	2.56	621	1.59	385	4.15	1,006	4.15
Teesta	200	967	2.16	209	2.16	209	4.33	418	4.33
NTPC Meja	990	6,856	2.32	1,593	2.39	1,640	4.72	3,233	4.72
Sub-Total IPP/JV	11605	77901		13715		21115		34831	4.47
Captive and Cogen	-	3,412	-	-	5.60	1,910	5.60	1,910	5.60
Inter system exchange (Bilateral & PXIL, IEX) / UI	-	17,181	-	-	4.20	7,216	4.20	7,216	4.20
Renewable Energy	-	3,641	-	-	4.80	1,747	4.80	1,747	4.80

SUMMARY OF POWER PURCHASE COST FY 2019-20

Source of Power	MW Available	MU	Fixed Cost		Variable Cost		Total Cost		Average Cost
			(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)
NVVN Coal Power	-	352	-	-	5.54	195	5.54	195	5.54
Sub-Total : Co-Generation & Other Sources	-	24586				11,067.89		11,067.89	4.50
Grand Total of Power Purchase	22809	173006	1.29	22,261.35	2.91	50,347.3	4.20	72,608.63	4.20

Annexure-3

**Power Purchase data for
FY 2014-15, 2015-16, 2016-17
(Attached in Compact Disc)**

Annexure-4

**Consumer category wise & sub
category wise billing
determinants**

(Attached in Compact Disc)

Annexure-5



उत्तर प्रदेश पावर कारपोरेशन लिमिटेड

(उ० प्र० सरकार का एंटरप्राइज)

U.P. POWER CORPORATION LIMITED

(Govt. of Uttar Pradesh Undertaking)

CIN U32201UP19995SGC 24928

Regulatory Affairs Unit,
15th Floor, Shakti Bhawan Extension,
14-Ashok Marg, Lucknow.
Phone: (0522) 2286519
Fax: (0522) 2287860

रेगुलेटरी अफेयर्स यूनिट,
15वां तल, शक्ति भवन विस्तार,
14-अशोक मार्ग, लखनऊ।

दूरभाष : (0522) 2286519
फैक्स : (0522) 2287860

No. 3145 /CE/RAU/UPERC Orders

Dated : 26/10/2016

The Secretary,
U.P. Electricity Regulatory Commission,
Kisan Mandi Bhawan, II Floor,
Gomti Nagar,
Lucknow-226010.

Sub: Submission of RS1 and RS2 data for FY 2013-14, 2014-15 and 2015-16.

Dear Sir,

Kindly find enclosed herewith the breakup of Regulatory Surcharge-1 and 2 in respect of PuVVNL, PVVNL, DVVNL, MVVNL, and KESCO, as reported by respective Discoms, for the kind perusal of Hon'ble Commission.

Thanking You,

Yours sincerely,


(S. Joshi) 26/10/16

Chief Engineer (RAU)

Encls- as above

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समस्त डिस्काम से प्राप्त वर्ष 2013-14, 2014-15 एवं 2015-16 में विद्युत उपभोक्ताओं के रेग्युलेटरी सरचार्ज-1 एवं 2 की बिलिंग एवं वसूली विवरण की संकलित सूचनायें

(Rs. In Crs.)

Sl. No.	Amount billed					Amount Realised			
	Name of Discom	Fixed/Demand charge	Energy charge	RS-1	RS-2	Fixed/Demand charge.	Energy charge	RS-1	RS-2
1	2	3	4	5	6	7	8	9	10
1	PuVVNL								
A	YR 13-14	0.00	3588.87	133.15	0.00	0.00	3772.28	98.91	0.00
B	YR 14-15	0.00	5229.48	54.28	28.91	0.00	3771.58	46.49	22.21
C	YR 15-16	0.00	6220.77	70.62	120.46	0.00	4429.69	53.74	70.98
	TOTAL	0.00	15039.12	258.05	149.37	0.00	11973.55	199.14	93.19
2	PVVNL								
A	YR 13-14	0.00	9082.85	261.70	0.00	0.00	8681.92	228.26	0.00
B	YR 14-15	0.00	9639.06	126.23	61.53	0.00	9029.55	113.09	57.26
C	YR 15-16	0.00	10707.38	184.78	278.47	0.00	10093.06	156.37	235.65
	TOTAL	0.00	29429.29	572.71	340.00	0.00	27804.53	497.72	292.91
3	DVVNL								
A	YR 13-14	576.65	2862.89	110.11	0.00	387.84	2485.14	94.13	0.00
B	YR 14-15	1110.97	3582.00	132.35	47.97	675.94	2689.96	95.15	33.59
C	YR 15-16	1439.74	4254.16	129.60	239.14	62.92	2950.09	87.38	155.46
	TOTAL	3127.36	10699.05	372.06	287.11	1126.70	8125.19	276.66	189.05
4	MVVNL								
A	YR 13-14	870.90	2015.44	137.05	0.00	618.96	1770.22	119.05	0.00
B	YR 14-15	477.76	837.21	40.49	12.32	397.75	730.14	28.59	9.57
C	YR 15-16	608.25	1150.94	41.13	53.68	478.35	950.38	32.06	43.69
	TOTAL	1956.91	4003.59	218.67	66.00	1495.06	3450.74	179.70	53.26
5	KESCO								
A	YR 13-14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B	YR 14-15	208.24	1380.78	0.00	17.54	176.19	1158.79	0.00	12.68
C	YR 15-16	239.03	1686.77	0.00	69.17	199.87	1321.27	0.00	52.41
	TOTAL	447.27	3067.55	0.00	86.71	376.06	2480.06	0.00	65.09
	Grand Total	5531.54	62238.60	1421.49	929.19	2997.82	53834.07	1153.22	693.50

[Handwritten Signature]

समस्त डिस्काम से प्राप्त वर्ष 2013-14, 2014-15 एवं 2015-16 में विद्युत उपभोक्ताओं के रेग्युलेटरी सरचार्ज-1 एवं 2 की बिलिंग एवं वसूली विवरण की संकलित सूचनायें

(Rs. In Crs.)

Sl. No.	Name of Discom	Amount billed				Amount Realised			
		Fixed/ Demand charge	Energy charge	RS-1	RS-2	Fixed/ Demand charge	Energy charge	RS-1	RS-2
1	2	3	4	5	6	7	8	9	10
	PuVVNL 13-14	0.00	3588.87	133.15	0.00	0.00	3772.28	98.91	0.00
	PVVNL 13-14	0.00	9082.85	261.70	0.00	0.00	8681.92	228.26	0.00
	DVVNL 13-14	576.65	2862.89	110.11	0.00	387.84	2485.14	94.13	0.00
	MVVNL 13-14	870.90	2015.44	137.05	0.00	618.96	1770.22	119.05	0.00
	KESCO 13-14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SUB TOTAL	1447.55	17550.05	642.01	0.00	1006.8	16709.56	540.35	0.00
	PuVVNL 14-15	0.00	5229.48	54.28	28.91	0.00	3771.58	46.49	22.21
	PVVNL 14-15	0.00	9639.06	126.23	61.53	0.00	9029.55	113.09	57.26
	DVVNL 14-15	1110.97	3582.00	132.35	47.97	675.94	2689.96	95.15	33.59
	MVVNL14-15	477.76	837.21	40.49	12.32	397.75	730.14	28.59	9.57
	KESCO 14-15	208.24	1380.78	0.00	17.54	176.19	1158.79	0.00	12.68
	SUB TOTAL	1796.97	20668.53	353.35	168.27	1249.88	17380.02	283.32	135.31
	PuVVNL 15-16	0.00	6220.77	70.62	120.46	0.00	4429.69	53.74	70.98
	PVVNL 15-16	0.00	10707.38	184.78	278.47	0.00	10093.06	156.37	235.65
	DVVNL 15-16	1439.74	4254.16	129.60	239.14	62.92	2950.09	87.38	155.46
	MVVNL15-16	608.25	1150.94	41.13	53.68	478.35	950.38	32.06	43.69
	KESCO 15-16	239.03	1686.77	0.00	69.17	199.87	1321.27	0.00	52.41
	SUB TOTAL	2287.02	24020.02	426.13	760.92	741.14	19744.49	329.55	558.19
	GRAND TOTAL	5531.54	62238.60	1421.49	929.19	2997.32	53834.07	1153.22	693.50

