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उत्तराखण्ड पावर कारपोरेशन लि०  
(उत्तराखण्ड सरकार का उपक्रम)  
वि०का०वि०गबर सिंह ऊर्जा भवन, कॉवली रोड,  
देहरादून - 248001  
दूरभाष:91-135-2763552 फैंक्स-91-135-2763839  
ई०पी०बी०एक्स०-2763672-75

No. ...211 /UPCL/RM/B-18

Dated: ...9 -01-2017

**BEFORE THE UTTARAKHAND ELECTRICITY REGULATORY COMMISSION**

**INDEX**


**IN THE MATTER OF:** ANNUAL REVENUE REQUIRMENT (ARR) PETITION  
FOR THE FINANCIAL YEAR 2017-18 ALONGWITH  
TARIFF DETERMINATION FOR FY 2017-18, TRUE-UP  
FOR FY 2015-16 AND ANNUAL PERFORMNACE  
REVIEW FOR FY 2016-17

**AND**

**IN THE MATTER OF:** UTTARAKHAND POWER CORPORATION LIMITED.

.....Petitioner

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(M. K. Jain)  
Managing Director

BEFORE THE UTTARAKHAND ELECTRICITY REGULATORY COMMISSION

In the matter of: Annual revenue requirement (ARR) petition for the financial year 2017-18 along with tariff determination for FY 2017-18, true-up for FY 2015-16 and annual performance review for FY 2016-17

AND

In the matter of: UTTARAKHAND POWER CORPORATION LIMITED.

.....Petitioner

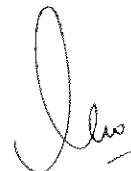
This is with reference to ARR and Tariff Petition filed by the Petitioner before the Hon'ble Commission's for FY 2017-18. In this connection, the petitioner most respectfully showeth as follows in the matter:-

**A: Revision in ARR for FY 2017-18**

This is with reference to Hon'ble Commission's letter no. UERC/6/TF-356/2016-17/2017/1569, dated 11-01-2017 vide which the petitioner has been asked inter alia to revise its submission considering actual POC losses incurred in FY 2015-16 and to revise its power purchase projection from gas based stations on the basis of normative PLF(85%) and new generation stations considering realistic expected COD.

In compliance of the direction issued by Hon'ble Commission, the petitioner has revised its submission, which has resulted change in the Annual Revenue Requirement for FY 2017-18. The Petitioner also modified its claim with respect to certain expenses/ revenue for FY 2017-18 as submitted earlier. Accordingly, the submission has been revised for the following heads and mentioned herein below:

1. Power procurement plan
2. PGCIL charges
3. Capitalization of central scheme
4. Previous year adjustments
5. Profit Sharing on working capital
6. Revised ARR for FY 2017-18



# 1. Power Procurement plan

## 1.1. Availability from UJVNL Stations

The Petitioner has estimated the monthly availability from Large Hydro Plants, ManeriBhali-II and Small Hydro Plants of UJVNL based on 2 years (FY 2014-15 and 2015-16) average of actual monthly generation from each station. The petitioner has estimated the monthly availability based on only 2 years' average of actual monthly generation (FY 2014-15 & FY 2015-16) because the plants were not operational during major part of the year due to floods in Uttarakhand in the FY 2013-14. The availability from UJVNL stations for the period FY 2017-18 is tabulated below:

Table 1: Projected availability from UJVNL Stations (MU)

Station	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Total
<b>FY 2017-18</b>													
Large Hydro	229	322	317	366	327	300	232	132	127	186	184	204	2926
Maneri Baii-II	26	77	112	145	163	168	96	57	49	38	31	12	974
Small Hydro	10	12	11	11	12	13	10	7	14	14	13	17	144
<b>Sub-Total</b>	<b>265</b>	<b>411</b>	<b>440</b>	<b>522</b>	<b>502</b>	<b>481</b>	<b>338</b>	<b>197</b>	<b>191</b>	<b>238</b>	<b>228</b>	<b>232</b>	<b>4045</b>

## 1.2. Availability from NTPC Stations

1.2.1. The Petitioner has estimated the monthly availability from NTPC stations of Singrauli, Unchahar- I, II & III, NCTDadri II, Rihand STPS I, II& III &Kahalgaoon-II based on 3 years (FY 2013-14, FY 2014-15, FY 2015-16) average of actual monthly generation from each station.

1.2.2. The monthly generation estimated for Gas Power Plants like Anta, Auraiya&Dadri and JhajjarAravali has been done based on 3 years (FY 2013-14, FY 2014-15, FY 2015-16) average of actual monthly generation from each station.

1.2.3. The availability from NTPC's hydro power station Koldam has been has been estimated by the Petitioner on the basis of actual monthly generation from Apr to Sep 2016 and actual monthly generation from Oct 2015 to Mar 2016 for Apr to Sep 2017 and Oct 2017 to Mar 2018 respectively, the plant came in full operation from Aug 2015.

1.2.4. The monthly generation from each station is taken based on the total share of each station in Uttarakhand.

1.2.5. POC losses of 4.55% have been considered instead of 4% loss as considered in the main petition to calculate the availability of NTPC station.

1.2.6. The availability from NTPC stations for each year of the control period has been tabulated below:

Table 2: Projected availability from NTPC Stations (MU)

Details of the stations	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
<b>FY 2017-18</b>													
Singrauli Super Thermal Power	65	63	63	66	62	59	63	64	62	66	63	61	758
Feroze Gandhi Unchahar-I	25	23	22	22	19	16	14	22	24	24	22	26	259
Feroze Gandhi Unchahar-II	12	11	10	11	11	12	11	10	12	11	11	13	133

Details of the stations	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
Feroze Gandhi Unchahar-III	4	8	8	9	8	9	8	9	9	9	8	9	99
National Capital Thermal II: Dadri	3	3	2	2	2	2	2	3	4	4	3	4	33
Rihand-1 STPS	29	24	20	25	24	22	24	25	27	26	26	29	299
Rihand-2 STPS	24	24	21	23	20	20	20	24	26	26	24	25	277
Rihand-3 STPS	21	20	20	17	13	16	17	19	23	21	21	24	232
Kahalgaoon-II	14	16	17	16	14	13	17	18	18	18	17	19	196
JhajjarAravali	1	2	1	1	1	2	1	1	1	2	1	4	18
Koldam	7	22	34	40	40	21	10	7	5	5	4	5	201
Anta Gas Power Station	6	5	6	5	7	5	4	10	11	8	6	5	80
Auraiya Gas Power Station	7	6	6	5	7	4	5	9	10	7	9	7	79
Dadri Gas Power Station	10	9	8	8	8	9	9	12	13	11	14	12	123
<b>Sub-Total</b>	<b>228</b>	<b>235</b>	<b>238</b>	<b>250</b>	<b>235</b>	<b>209</b>	<b>205</b>	<b>232</b>	<b>244</b>	<b>238</b>	<b>230</b>	<b>242</b>	<b>2787</b>

### 1.3. Availability from NHPC Stations

- 1.3.1. The Petitioner has estimated the monthly energy availability from NHPC stations of Salal, Tanakpur, Chamera- I, II & III, Uri, Dulhasti&Sewa-II based on the average of three-year(FY 2013-14, FY 2014-15, FY 2015-16) monthly generation of the respective stations.
- 1.3.2. For NHPC station Dhauliganga only two years' average is considered because of non- functioning of the plant during major part of FY 2013-14.
- 1.3.3. Uri- II &Parbati-III was commissioned during latter half of FY 2013-14 therefore only two years' average (FY 2014-15, FY 2015-16) is considered for monthly estimation of respective stations.
- 1.3.4. POC losses of 4.55% have been considered instead of 4% loss as considered in the main petition to calculate the availability of NHPC station.
- 1.3.5. The availability from NHPC stations for FY 2017-18 has been tabulated in the table below:

Table 3: Projected availability from NHPC Stations (MU)

Details of the stations	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
<b>FY 2017-18</b>													
Salal	4	5	5	5	5	4	2	1	1	1	1	3	39
Tanakpur	0	1	1	1	2	2	1	1	0	0	0	0	10
Free Power-Tanakpur	2	3	4	5	6	6	5	3	2	1	1	1	38
Chamera I	8	12	10	13	12	7	3	2	2	2	3	6	81
Chamera II	2	3	2	3	3	2	1	1	1	1	1	1	19
Chamera III	4	7	8	8	8	5	3	1	1	1	1	2	49
Uri	11	12	11	11	9	7	7	6	4	3	5	10	96
Dhauliganga	1	5	5	6	7	6	3	1	1	1	1	1	39
Free Power-Dhauliganga	4	12	14	14	19	15	8	5	3	3	3	4	103
Dulhasti	8	14	12	13	13	14	11	6	5	4	4	5	109
Sewa II	4	4	3	3	3	2	1	1	0	1	2	4	27
Uri II	4	5	6	7	8	6	6	5	2	2	2	3	55
Parbati Stage III	2	4	5	7	7	3	1	1	0	0	0	1	31
<b>Sub-Total</b>	<b>55</b>	<b>87</b>	<b>87</b>	<b>96</b>	<b>101</b>	<b>79</b>	<b>53</b>	<b>33</b>	<b>23</b>	<b>20</b>	<b>23</b>	<b>42</b>	<b>699</b>

### 1.4. Availability from NPCIL Stations

- 1.4.1. The Petitioner has estimated the monthly availability from Narora and Rajasthan APP station based on last three years (FY 2013-14 to FY 2015-16) average monthly generation.
- 1.4.2. POC losses of 4.55% have been considered instead of 4% loss as considered in the main petition to calculate the availability of NPCIL station.
- 1.4.3. The availability from NPCIL stations for FY 2017-18 has been tabulated below:

Table 4: Projected availability from NPCIL Stations (MU)

Details of the stations	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
<b>FY 2017-18</b>													
Narora APP	9	9	10	9	10	10	9	10	10	13	12	12	124
Rajasthan APP	15	13	12	11	13	12	10	13	12	12	12	16	149
<b>Sub-Total</b>	<b>24</b>	<b>22</b>	<b>21</b>	<b>20</b>	<b>23</b>	<b>22</b>	<b>19</b>	<b>23</b>	<b>22</b>	<b>25</b>	<b>24</b>	<b>28</b>	<b>273</b>

### 1.5. Availability from SJVNL Stations

- 1.5.1. The Petitioner has estimated the monthly availability from NathpaJhakri station based on three years' (FY 2013-14, FY 2014-15, FY 2015-16) average monthly generation.
- 1.5.2. POC losses of 4.55% have been considered instead of 4% loss as considered in the main petition to calculate the availability of SJVNL station.
- 1.5.3. Monthly estimation for Rampur Station commissioned during FY 2014-15 has been estimated by the Petitioner on the basis of Design Energy, auxiliary consumption & Uttarakhand's share in power generated.

Table 5: Projected availability from SJVNL Stations (MU)

Details of the stations	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
<b>FY 2017-18</b>													
NathpaJhakri	3	7	6	8	8	6	3	2	2	2	2	2	51
Rampur	9	28	29	28	28	22	11	7	6	6	6	6	184
<b>Sub-Total</b>	<b>12</b>	<b>34</b>	<b>36</b>	<b>35</b>	<b>36</b>	<b>28</b>	<b>14</b>	<b>10</b>	<b>8</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>235</b>

### 1.6. Availability from THDC Stations

- 1.6.1. The Petitioner has estimated the monthly availability from Tehri HEP-I and Koteshwar based on last three years (FY 2013-14 to FY 2015-16) average of actual monthly generation.
- 1.6.2. POC losses of 4.55% have been considered instead of 4% loss as considered in the main petition to calculate the availability of THDC station.

Table 6: Projected availability from THDC Stations (MU)

Details of the stations	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
<b>FY 2017-18</b>													
Tehri HEP I	7	8	9	13	21	8	7	6	7	9	7	7	110
Free Power-Tehri HEP I	24	27	33	48	74	29	26	22	26	29	25	24	386
Koteshwar	4	5	6	7	10	4	3	3	4	5	5	5	61
Free Power-Koteshwar	11	13	16	19	26	10	9	8	9	11	10	10	151
<b>Sub-Total</b>	<b>46</b>	<b>52</b>	<b>64</b>	<b>87</b>	<b>132</b>	<b>51</b>	<b>45</b>	<b>39</b>	<b>46</b>	<b>54</b>	<b>46</b>	<b>46</b>	<b>708</b>

### 1.7. Availability from Vishnu Prayag and GVK Srinagar Hydro Electric Project

- 1.7.1. The Petitioner has estimated the monthly availability from Vishnuprayag station based on two years' monthly generation of FY 2014-15 & FY 2015-16 as the plant was not operational during major part of FY 2013-14 due to floods.
- 1.7.2. The Petitioner has estimated the monthly availability from GVK Srinagar station based on the monthly generation of FY 2015-16 as the plant came into operation in FY 2015-16.
- 1.7.3. POC losses of 4.55% have been considered instead of 4% loss as considered in the main petition to calculate the availability of GVK and Vishnuprayag station.

1.7.4. The availability from Vishnuprayag & GVK Srinagar station for FY 2017-18 has been tabulated below:

Table 7: Projected availability from Vishnuprayag and GVK Srinagar HEP (MU)

Details of the Station	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Total
<b>FY 2017-18</b>													
Free Power-Vishnuprayag	7	21	29	13	17	26	19	9	7	6	4	5	162
Free Power-GVK Srinagar	2	4	9	20	24	21	10	6	4	3	3	3	109
<b>Sub Total</b>	<b>9</b>	<b>25</b>	<b>38</b>	<b>33</b>	<b>41</b>	<b>47</b>	<b>29</b>	<b>15</b>	<b>11</b>	<b>9</b>	<b>7</b>	<b>8</b>	<b>271</b>

### 1.8. Availability from UREDA Stations and Independent Power Producers (IPP) Stations:

- 1.8.1. The Petitioner has estimated the monthly availability from UREDA and IPP stations (except for Sasan, GreenkoBudhil, Sarju II, III, Gangani, Badiyar, solar roof top, Madhav Infra, Small Solar IPP, Gama & Shravanti generators) based on previous three years' average of monthly generations depending upon operations & information provided by the developers.
- 1.8.2. The availability from Sasan UMPP has been calculated considering 85% PLF for FY 2017-18 in line with the approach adopted by the Hon'ble Commission in tariff order of FY 2015-16.
- 1.8.3. Monthly estimation for GreenkoBudhil Station which has been commissioned by the Petitioner on the basis of Design Energy, auxiliary consumption & Uttarakhand's share in power generated.
- 1.8.4. Monthly estimation for Sarju II (Uttar Bharat Sarju Stage II) Station which has been commissioned during FY 2016-17 has been estimated by the Petitioner on the basis of Design Energy, auxiliary consumption & Uttarakhand's share in power generated.
- 1.8.5. Monthly estimation for Sarju III (Uttar Bharat Sarju Stage III) Station which became fully operational during FY 2015-16 has been estimated by the Petitioner on the basis of Design Energy, auxiliary consumption & Uttarakhand's share in power generated.
- 1.8.6. For estimating the availability from IPP's Gangani and Badiyar the actual energy received from the plant during year 2015-16 has been considered as the project has stable generation from the year 2015-16
- 1.8.7. The availability from solar rooftop generators, Madhav Infra, Small Solar IPP has been estimated by the Petitioner on the basis of capacity, normative PLF and normative auxiliary consumption of solar power stations.
- 1.8.8. The availability from Gama & Shravanti Gas Plant has been calculated considering 85% PLF for FY 2017-18 as previously it was considered at 70% PLF.
- 1.8.9. POC losses of 4.55% were considered instead of 4% loss to calculate the availability of IPP stations, which are connected to PGCIL network.
- 1.8.10. The power availability for the control period, FY 2017-18 has been shown below:

Table 8: Projected Availability from UREDA Stations and IPP's (MU)

Details of the stations	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
<b>FY 2017-18</b>													
UREDA	0.3	0.3	0.4	0.5	0.7	0.6	0.8	0.8	0.5	0.4	0.3	0.3	6.0
Rajwakti Him Urja SHP	2	2	1	1	1	2	2	2	2	1	1	1	17

Details of the stations	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
Hanuman Ganga SHP	0	1	1	0	0	0	0	0	0	0	0	0	4
GreenkoBudhil Hydro Power Pvt Ltd	24	25	24	23	19	16	15	12	8	7	11	21	204
Debal	1	1	1	2	2	2	1	1	1	1	1	1	15
LoharKhet	2	1	1	2	2	3	3	2	1	1	1	1	20
Gunsola Hydro AgundaThati	1	1	1	2	2	2	2	1	1	2	1	1	16
Bhilangana(Swasti)	6	9	10	11	14	15	9	4	3	2	1	2	88
Vanala	3	4	3	3	3	4	4	3	2	1	1	2	33
Motighat	1	1	1	1	1	1	1	1	1	1	1	1	10
Rishiganga	0	0	1	1	1	2	2	1	1	0	0	0	10
Birahi Ganga	1	2	2	4	4	4	3	2	1	1	1	1	25
Sarju II	3	3	3	5	5	6	6	4	3	2	2	3	44
Bhilangana III	0	0	0	0	0	0	0	0	0	0	0	0	0
Co-Gen: RBNS Sugar Mill	5	0	0	0	0	0	0	0	6	9	8	8	36
Co-Gen: Uttam Sugar Mills	1	0	0	0	0	0	0	0	4	3	3	3	14
Co-Gen: Lakshmi Sugar Mills	3	0	0	0	0	0	0	0	9	9	8	9	38
Solar: RV Akash Ganga	0	0	0	0	0	0	0	0	0	0	0	0	3
Solar: Metro Frozen	0	0	0	0	0	0	0	0	0	0	0	0	1
Solar: Jay Ace Technologies	0	0	0	0	0	0	0	0	0	0	0	0	2
Sasan	56	54	54	56	53	50	54	55	54	56	54	53	649
Uttar Bharat (Sarju)-III	2	1	1	2	2	3	3	2	1	1	1	1	20
Gangani	4	5	4	3	3	5	5	4	2	2	1	3	42
Badiyar	2	2	1	1	1	2	2	2	2	1	1	1	18
Solar Rooftop	6	5	4	4	3	4	4	4	3	3	4	5	49
Madhav Infra	2	2	1	1	1	1	1	1	1	1	1	2	16
Small Solar IPP Operational from Apr 16	1	1	1	1	1	1	1	1	1	1	1	1	11
Small Solar IPP Operational from Jul 16	0	0	0	0	0	0	0	0	0	0	0	0	3
Gama gas plant (Kashipur)	68	66	65	68	65	61	66	67	65	68	65	64	789

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Details of the stations	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
Shravanti gas plant	135	132	130	136	130	122	132	134	130	137	131	128	1578
Beta gas plant	62	60	60	63	60	56	61	62	60	63	60	58	723
<b>Sub Total</b>	<b>391</b>	<b>378</b>	<b>370</b>	<b>391</b>	<b>374</b>	<b>363</b>	<b>378</b>	<b>366</b>	<b>363</b>	<b>373</b>	<b>359</b>	<b>370</b>	<b>4484</b>

## 1.9. New stations

1.9.1. There are several new projects that are expected to be commissioned during FY 2017-18. For these stations, projections of power availability have been projected as detailed below:

- The expected COD has been taken from various sources like latest CEA reports, PPA signed with the generation companies and as per information made available by the generators;
- Power availability after COD has been projected taking into account norms of auxiliary consumption, expected PLF and Uttarakhand's share in power generated.
- PLF and auxiliary consumption for upcoming stations has considered as per the parameters detailed in the table below:

Table 9: Assumptions for upcoming Stations

Particulars	PLF	Auxiliary Consumption (AC)
Hydro Power Stations	45%	1.20%
Thermal Power Stations	85%	7.75%
Solar Power Stations	15%	0.00%
Biogas Plants	70%	12%
Small Hydro Plants	40%	1.00%

1.9.2. POC losses of 4.55% have been considered instead of 4% loss as considered in the main petition to calculate the availability of new stations which are connected to PGCIL network.

1.9.3. The estimated availability from upcoming stations in FY 2017-18 has been projected as under:

Table 10: Projected Availability for Upcoming Stations

Details of the stations	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
Small IPP Solar Operational from Apr 17 on State Grid	14	13	10	10	9	11	10	9	7	6	8	12	118
Small IPP Solar Operational from Apr 17 on UPCL Grid	14	13	10	10	9	11	10	9	7	6	8	12	118
Singrauli Solar NTPC	0	0	0	0	0	0	0	0	0	17	17	17	52
NTPC - Ferozgandhi Unchahar Stage IV	12	11	10	11	11	11	11	10	12	11	10	12	131
Meja Thermal	0	0	0	0	0	0	0	0	0	29	27	31	87
Kishanganga	0	0	0	0	0	7	4	2	2	2	2	5	24
<b>Total</b>	<b>39</b>	<b>37</b>	<b>30</b>	<b>30</b>	<b>28</b>	<b>40</b>	<b>35</b>	<b>31</b>	<b>27</b>	<b>71</b>	<b>73</b>	<b>90</b>	<b>530</b>



1.9.4. On the basis of the above-mentioned projections from the firm sources, the energy to be procured by the Petitioner has been projected at 14029.95MU at State periphery for FY 2017-18. Additional procurement of 173.33 MU from external sources would be done to meet the deficit.

### 1.10. Banking of Power

The Petitioner proposes to forward banking i.e. advance banking of 851.48 MU power in FY 2017-18 from month of April-17 to September-17. This power will be withdrawn from month of October 2017 to January 2018 through return banking.

### 1.11. Transmission losses

The intra-state transmission losses for FY 2017-18 have been considered as 1.78% The POC losses for FY 2017-18 is based on the actual weekly injection and withdrawal losses as captured by POSCO website, the weighted average methodology was adopted for calculating annual POC losses which is mention the table below. The respective generating station was identified and further region wise weekly injection and withdrawal losses for the year FY 2015-16 was applied to the respective generating stations to arrive on monthly and yearly losses for respective station. The actual POC Losses of 4.55% for FY 2015-16 has been considered for FY 2017-18. The detailed working is attached herewith in soft copy.

Table 11: Station wise POC losses for FY 2017-18

S. No	Power Station	Yearly POC Losses FY 2015-16
1	NTPC	4.79
2	NHPC	3.48
3	SJVNL	3.53
4	THDC	4.13
5	NPCIL	4.90
6	Sasan	4.79
	<b>Total</b>	<b>4.55</b>

### 1.12. EnergyBalance

Table 12: Energy Balance at UPCL Periphery for FY 2017-18

Particulars	Apr	May	Jun	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Total
Gross energy procured from outside the state sources	487	571	598	641	681	546	471	452	450	497	480	538	6411.70
Inter-state transmission losses (MU)	22	26	27	29	31	25	21	21	20	23	22	24	291.73
Net energy available from outside the state	465	545	571	612	650	521	449	431	429	474	459	513	6119.97
Add energy generated within the state	587	721	741	839	810	783	652	500	493	550	528	538	7743.38
Net energy available for use in the state	1052	1266	1312	1451	1460	1305	1102	931	923	1025	986	1051	13863.35
Additional energy (Directly connected to UPCL Network)	19	19	15	13	12	15	14	13	10	9	12	17	166.61
Energy available for sale at state periphery	1071	1285	1327	1464	1472	1319	1116	944	933	1033	998	1068	14029.95
Demand at UPCL periphery (MU)	1057	1127	1201	1247	1223	1231	1182	1166	1169	1238	1182	1180	14203.28
Deficit	14	158	126	217	248	88	(66)	(223)	(236)	(205)	(183)	(112)	(173.33)

### **1.13. Power Purchase Cost**

The cost of power available from various sources has been projected by UPCL considering the following:

### **1.14. Generation cost from UJVNL stations**

1.14.1. The Petitioner has considered the NET AFC and Energy charges for UJVNL Large stations and MB II, for small stations the variable cost as per power purchase bills for FY 2016-17 has been considered with no escalation.

1.14.2. The petitioner has considered water tax of Rs. 153.82 Cr. for FY 2017-18.

### **1.15. Cost of power from NTPC Stations**

1.15.1. The cost of power available from NTPC stations has been projected based on the following assumptions:

- a) The annual fixed charges and variable charges have been derived (in proportion to UPCL's share) from the tariff order approved by the Hon'ble commission for Singrauli, Rihand I, and Anta Gas.
- b) The Fixed and Variable cost for the remaining plants were not available therefore the Fixed cost and Variable cost of FY 2016-17 has been increased by 4% instead of 2% which was submitted earlier to determine the fixed cost and variable cost for FY 2017-18. 3% escalation rate has been considered in the MYT Tariff Order FY 2016-17, however the petitioner observed that the increase in power purchase is more than this and therefore the petitioner has considered 4% escalation for FY 2017-18.

1.15.2. The cost of power available from NTPC Koldam Hydro Station has been projected based on the following assumptions:

- a) Annual fixed charges (AFC) as specified in the CERC tariff order have been considered. However, AFC for only FY 2016-17 which has been considered as it is and thereafter a 4% increase instead of 2% to arrive upon the AFC of FY 2017-18.
- b) In line with the CERC (Terms & Conditions of Tariff) Regulations, 2009, the annual charges for each station have been bifurcated into two components – a fixed capacity charge equivalent to 50% of the specified AFC (after deducting the state royalty share of power, if any) and energy charges calculated by dividing the remaining 50% of the AFC by the design energy of the plant. The net charges payable has been derived after deducting the state royalty share of power.

### **1.16. Cost of power from NHPC Stations**

The cost of power available from NHPC stations has been projected based on the following assumptions:

- a) Annual fixed charges (AFC) for Salal, Tanakpur, Chamera II, Uri, Dhauliganga, Dulhasti and Uri II has been derived from the tariff order derived by CERC in FY 2015-16.



- b) Annual fixed charges (AFC) for the remaining stations was not available, and therefore the cost of power purchase for FY 2016-17 has been increased by 4% instead of 2% to determine the fixed cost for FY 2017-18. 3% escalation rate has been considered in the MYT Tariff Order FY 2016-17, however the petitioner observed that the increase in power purchase is more than this and therefore the petitioner has considered 4% escalation for FY 2017-18.
- c) In line with the CERC (Terms & Conditions of Tariff) Regulations, 2009, the annual charges for each station have been bifurcated into two components – a fixed capacity charge equivalent to 50% of the specified AFC (after deducting the state royalty share of power, if any) and energy charges calculated by dividing the remaining 50% of the AFC by the design energy of the plant. The net charges payable has been derived after deducting the state royalty share of power.

### **1.17. Cost of power from NPCIL Stations**

For NPCIL plants, power purchase bills for FY 2016-17 has been increased by 4% instead of 2% to arrive upon the tariff for FY 2017-18.

### **1.18. Cost of power from THDC Stations**

The cost of power available from THDC stations has been projected based on the following assumptions:

- a) Annual fixed charges (AFC) as specified in the respective CERC tariff orders has been considered. Since CERC (terms and Conditions of Tariff) Regulations, 2014 is applicable from FY 2014-19, fixed cost for FY 2017-19 was not available therefore UPCL has escalated the AFC of FY 2014-15 and FY 2015-16 @ rate of 5% and 2016-17 @ rate of 4% increase instead of 3% to arrive upon the fixed cost of FY 2016-17 and then again escalating by 4% increase instead of 2% to arrive upon the AFC for FY 2017-18. 3% escalation rate has been considered in the MYT Tariff Order FY 2016-17, however the petitioner observed that the increase in power purchase is more than this and therefore the petitioner has considered 4% escalation for FY 2017-18.
- b) In line with the CERC (Terms & Conditions of Tariff) Regulations, 2014, the annual charges for each station have been bifurcated into two components – a fixed capacity charge equivalent to 50% of the specified AFC (after deducting the state royalty share of power, if any) and energy charges calculated by dividing the remaining 50% of the AFC by the design energy of the plant. The net charges payable has been derived after deducting the state royalty share of power.

### **1.19. Cost of power from SJVNL Stations**

1.19.1. The cost of power available from NJHEP station has been projected based on the following assumptions:

- a) Annual fixed charges (AFC) as specified in the respective CERC tariff orders has been considered. Since CERC (terms and Conditions of Tariff) Regulations, 2014 is applicable from FY 2014-19, fixed cost for FY 17-19 was not available therefore UPCL has escalated the AFC of FY 2014-15 and FY 2015-16 @ rate of 5% and 2016-17 @ rate of 4% instead of 3% to arrive upon

the fixed cost of FY 2016-17 and then again escalating by 4% instead of 2% to arrive upon the AFC for FY 2017-18. 3% escalation rate has been considered in the MYT Tariff Order FY 2016-17, however the petitioner observed that the increase in power purchase is more than this and therefore the petitioner has considered 4% escalation for FY 2017-18.

- b) In line with the CERC (Terms & Conditions of Tariff) Regulations, 2014, the annual charges for each station have been bifurcated into two components – a fixed capacity charge equivalent to 50% of the specified AFC (after deducting the state royalty share of power, if any) and energy charges calculated by dividing the remaining 50% of the AFC by the design energy of the plant. The net charges payable has been derived after deducting the state royalty share of power.

1.19.2. The cost of power available from Rampur station has been projected based on the following assumptions:

- a) Annual fixed charges (AFC) for the stations was not available, and therefore the cost of power purchase for FY 2016-17 has been increased by 4% instead of 2% to determine the fixed cost for FY 2017-18. 3% escalation rate has been considered in the MYT Tariff Order FY 2016-17, however the petitioner observed that the increase in power purchase is more than this and therefore the petitioner has considered 4% escalation for FY 2017-18.
- b) In line with the CERC (Terms & Conditions of Tariff) Regulations, 2014, the annual charges for each station have been bifurcated into two components – a fixed capacity charge equivalent to 50% of the specified AFC (after deducting the state royalty share of power, if any) and energy charges calculated by dividing the remaining 50% of the AFC by the design energy of the plant. The net charges payable has been derived after deducting the state royalty share of power.

**1.20. Cost of power procured from IPPs, Private Projects**

The cost of power available from IPPs and other private stations are as per tariff determined by UERC and for Sasan the tariff bid by the developer for each year has been considered. The tariff for the small solar power plants were considered as per the tariff bid by the developer.

**1.21. Cost of Free power**

The cost of free power has been calculated for FY 2017-18 based on the approach adopted by the Commission in its earlier Tariff orders. The rate of state royalty power has been considered equal to the average rate of power procured by the Petitioner from large hydel stations. Based on the said approach the rate of free power has been projected as under:

Table 13: Rate of free power (Rs/kWh)

Year	FY 2017-18
Rate of free power	1.99

**1.22. Cost of power from new stations**

For projects, which are under development by the private developers, the rate has been projected based on the PPA/relevant regulations/vide various communication help with the promoter and as per tariff determined by UERC.

**1.23. Cost of deficit power through short term purchase**

The Petitioner has proposed to procure the net deficit of 173.33 MU through short term purchase at the rate of Rs. 3.64 per unit as approved by the Hon'ble commission in MYT Tariff Order 2016-17 and 0.99Rs/unit has been considered under open access charges.

#### 1.24. Cost of Injection and withdrawal charges for Banking

The Petitioner proposes to forward banking i.e. advance banking of 851.48 MU power in FY 2017-18 from month of April-17 to September-17. This power will be withdrawn from month of October 2017 to January 2018 through return banking. Rs.0.99 per unit has been considered for forward and return banking of power i.e. Rs. 63.09 Cr.

#### 1.25. Total Power Purchase Cost for FY 2017-18

The summary of power purchase cost and quantum (at state periphery) for FY 2017- 18 based on the above methodology is detailed in the table below:

Table 14: Power Purchase Summary for MYT Control Period (Rs/kWh)

Details of the stations	FY 2017-18		
	PP at state periphery	Total (Rs.Cr.)	Avg. Rate (INR/kWh)
<b>NTPC</b>			
Singrauli Super Thermal Power	757.83	178.56	2.36
Feroze Gandhi Unchahar-I	258.70	105.93	4.09
Feroze Gandhi Unchahar-II	132.82	53.43	4.02
Feroze Gandhi Unchahar-III	98.92	53.67	5.43
National Capital Thermal II: Dadri	33.47	17.76	5.31
Rihand-1 STPS	299.08	75.40	2.52
Rihand-2 STPS	276.53	74.52	2.69
Rihand-3 STPS	231.97	81.26	3.50
Kahalgaoon-II	196.35	77.18	3.93
JhajjarAravali	18.04	15.33	8.50
Koldam	200.59	94.10	4.69
Anta Gas Power Station	79.93	42.76	5.35
Auraiya Gas Power Station	79.27	42.31	5.34
Dadri Gas Power Station	123.41	51.36	4.16
<b>Sub-Total</b>	<b>2786.91</b>	<b>963.57</b>	<b>3.46</b>
<b>NHPC</b>			
Satal	38.73	4.46	1.15
Tanakpur	10.21	4.38	4.29
Free Power-Tanakpur	38.39	7.63	1.99
Chamera I	80.89	15.29	1.89
Chamera II	19.19	3.82	1.99
Chamera III	48.99	24.26	4.95
Uri	96.48	15.16	1.57
Dhauliganga	39.14	14.78	3.78
Free Power-Dhauliganga	103.45	20.58	1.99
Dulhasti	109.46	58.31	5.33
Sewa II	27.39	12.88	4.70
Uri II	55.43	27.37	4.94
Parbati Stage III	30.81	22.90	7.43
<b>Sub-Total</b>	<b>698.56</b>	<b>231.81</b>	<b>3.32</b>
<b>UJVNL</b>			
Large Hydro	2925.77	328.13	1.12
Maneri Bali-II	974.45	200.65	2.06
Small Hydro	144.41	16.85	1.17
Water Tax		153.82	

Details of the stations	FY 2017-18		
	PP at state periphery	Total (Rs.Cr.)	Avg. Rate (INR/kWh)
<b>Sub-Total</b>	<b>4044.63</b>	<b>699.44</b>	<b>1.73</b>
<b>SJVNL</b>			
NathpaJhakri	51.29	15.86	3.09
Rampur	184.19	65.33	3.55
<b>Sub-Total</b>	<b>235.49</b>	<b>81.19</b>	<b>3.45</b>
<b>THDC</b>			
Tehri HEP I	109.68	73.58	6.71
Free Power-Tehri HEP I	386.46	76.86	1.99
Koteshwar	61.18	25.93	4.24
Free Power-Koteshwar	150.53	29.94	1.99
<b>Sub-Total</b>	<b>707.85</b>	<b>206.31</b>	<b>2.91</b>
<b>NPCIL</b>			
Narora APP	123.66	35.12	2.84
Rajasthan APP	148.85	58.42	3.93
<b>Sub-Total</b>	<b>272.51</b>	<b>93.54</b>	<b>3.43</b>
<b>UREDA</b>			
BhikuriyaGardh	0.09	0.03	2.83
Ramgarh	0.18	0.05	2.65
Barar+Garaun	1.10	0.34	3.07
Taleshwar	1.90	0.58	3.07
Chharandev	0.85	0.26	3.07
Harsil	0.54	0.16	3.07
Tharali	0.30	0.09	3.07
Badrinath	1.05	0.32	3.07
<b>Sub-Total</b>	<b>5.99</b>	<b>1.83</b>	<b>3.05</b>
<b>IPPs</b>			
Rajwakti Him Urja SHP	17.31	4.33	2.50
Hanuman Ganga SHP	4.34	1.30	2.99
Free Power-Vishnuprayag	161.93	32.21	1.99
GreenkoBudhil Hydro Power Pvt Ltd	203.97	81.59	4.00
Debal	14.52	5.30	3.65
LoharKhet	19.84	7.24	3.65
Gunsola Hydro AgundaThati	15.78	7.02	4.45
Bhilangana(Swasti)	87.76	32.47	3.70
Vanala	33.38	13.35	4.00
Motighat	9.63	5.33	5.54
Rishiganga	9.56	3.78	3.95
Birahi Ganga	25.17	10.19	4.05
Sarju II	43.71	19.76	4.52
Co-Gen: RBNS Sugar Mill	36.28	17.20	4.74
Co-Gen: Uttam Sugar Mills	14.49	7.45	5.14
Co-Gen:Lakshmi Sugar Mills	38.25	21.73	5.68
Solar: RV Akash Ganga	2.67	3.23	12.10
Solar: Metro Frozen	1.17	1.41	12.10
Solar: Jay Ace Technologies	2.43	2.94	12.10
Sasan	649.08	85.61	1.32
Uttar Bharat (Sarju)-III	20.20	9.23	4.57
Gangani	42.47	19.20	4.52
Badiyar	17.73	8.42	4.75
Solar Rooftop	48.62	44.73	9.20
Free Power-GVK Srinagar	109.40	21.76	1.99
Madhav Infra	15.61	12.08	7.74
Small Solar IPP Operational from Apr 16	10.58	7.87	7.44

Details of the stations	FY 2017-18		
	PP at state periphery	Total (Rs.Cr.)	Avg. Rate (INR/kWh)
Small Solar IPP Operational from Jul 16	2.60	2.02	7.77
Gama gas plant (Kashipur)	788.75	370.71	4.70
Shravanti gas plant	1577.51	741.43	4.70
Beta gas plant	723.03	339.82	4.70
<b>Sub-Total</b>	<b>4747.77</b>	<b>1940.71</b>	<b>4.09</b>
<b>NEW STATIONS</b>			
Small IPP Solar Operational from Apr 17 on State Grid	117.99	68.04	5.77
Small IPP Solar Operational from Apr 17 on UPCL Grid	117.99	68.04	5.77
Singrauli Solar NTPC	52.46	18.36	3.50
Meja Thermal	86.54	43.27	5.00
NTPC Ferozgandhi Unchahar Stage IV	131.88	65.94	5.00
NHPC Kishanganga	24.13	12.07	5.00
<b>Sub total</b>	<b>530.24</b>	<b>275.34</b>	<b>5.19</b>
<b>Total Power from Firm Sources</b>	<b>14029.95</b>	<b>4493.75</b>	<b>3.20</b>
<b>Others</b>			
Add: Procurement of power through short term purchase	173.33	63.09	3.64
<b>GRAND TOTAL</b>	<b>14203.28</b>	<b>4556.84</b>	<b>3.21</b>

### 1.26. Summary of power purchase cost

Details of the stations	As per Tariff Petition			Revised Estimate		
	PP at state periphery	Total (Rs.Cr.)	Avg. Rate (INR/kWh)	PP at state periphery	Total (Rs.Cr.)	Avg. Rate (INR/kWh)
NTPC	2802.97	948.48	3.38	2786.91	963.57	3.46
NHPC	702.58	230.13	3.28	698.56	231.81	3.32
UJVNL	4044.63	699.44	1.73	4044.63	699.44	1.73
SJVNL	236.84	79.09	3.34	235.49	81.19	3.45
THDC	711.93	203.41	2.86	707.85	206.31	2.91
NPCIL	274.08	91.38	3.33	272.51	93.54	3.43
UREDA	5.99	1.83	3.05	5.99	1.83	3.05
IPPs	3586.44	610.59	4.70	4747.77	1940.71	4.09
New Stations	1264.32	613.93	4.86	530.24	275.34	5.19
<b>Total Power from Firm Sources</b>	<b>13629.79</b>	<b>4269.56</b>	<b>3.13</b>	<b>14029.95</b>	<b>4493.75</b>	<b>3.20</b>
<b>Others</b>						
Add: Procurement of power through short term purchase				173.33	63.09	3.64
Add: Procurement of power through banking	573.49					
<b>GRAND TOTAL</b>	<b>14203.28</b>	<b>4269.56</b>	<b>3.01</b>	<b>14203.28</b>	<b>4556.84</b>	<b>3.21</b>

The petitioner prays to Hon'ble Commission to approve the revised power purchase cost for FY 2017-18.

### 1.27. Inter-state and Intra-State Transmission Charges

The transmission charges from FY 2017-18 have been projected based on the following assumption:

- Inter-state transmission charges have been calculated in the following manner- during the first six months of FY 2016-17, the Petitioner has received bills of

Rs350.28 Cr. for estimating PGCIL transmission charges for FY 2016-17, the Petitioner has divided the total unit wheeled through PGCIL network from April 2016 to September 2016 by total amount paid to PGCIL. Considering this methodology petitioner has derived the unit rate of Rs. 0.98 per unit which has been escalated by 2% and derived the unit rate of Rs. 0.99 per unit for 2017-18. This unit rate has been multiplied by the total unit wheeled through PGCIL network in 2017-18 to derive the PGCIL cost for 2017-18.

- b) Intra-state transmission charges for FY-2017-18 have been considered Rs. 296.02 from the MYT of PTCUL from FY- 2016-17 to FY- 2018-19.
- c) SLDC charges for FY-2017-18 have been considered Rs. 13.72 Cr. from the MYT of SLDC from FY- 2016-17 to FY- 2018-19.
- d) The Table below details transmission charges projected for FY 2017-18:

Table 15: Transmission charges (Rs Cr)

Year	FY 2017-18	Revised
PGCIL Charges	685.44	741.90
PTCUL Charges	296.02	296.02
SLDC Charges	13.72	13.72
<b>Total Transmission Charges</b>	<b>995.18</b>	<b>1051.64</b>

The petitioner prays to Hon'ble Commission to approve the revised PGCIL charges for FY 2017-18.





## 2. Proposed Capital Expenditure and Capitalisation for FY 2017-18

UPCL has estimated that the expenditure incurred towards central government schemes will be capitalized within two years i.e 50% and 50% from the year in which the expenditure has been incurred. The balance capital expenditure (other than Central Govt schemes) will be capitalized into 25%, 25% and 50% over three years.

The summary of proposed capital expenditure and the capitalization in the respective year is detailed in the table below:

Table 16: Proposed Capital Expenditure and Capitalisation for FY 2017-18

Particulars	Proposed Capital expenditure	Capitalization As per Tariff Petition	Revised Estimate Capitalization	Difference	
	Rs. Cr	Rs. Cr	Rs. Cr	Rs. Cr	%
FY 2016-17	1214.32	594.63	795.04	200.41	33.70%
FY 2017-18	1248.60	958.41	1236.27	277.86	28.99%
<b>Total</b>	<b>2462.92</b>	<b>1553.04</b>	<b>2031.31</b>	<b>478.27</b>	<b>30.80%</b>

The summary of funding of capitalization in the respective year is detailed in the table below:

Table 17: Source of funding for Capitalisation

Particulars	Capitalization (Rs. Cr)	Grant (Rs Cr)	Debt (Rs Cr)	Internal Resource/ State Govt. Equity (Rs Cr)
FY 2016-17	795.04	218.24	403.76	173.04
FY 2017-18	1236.27	371.85	605.10	259.33
<b>Total</b>	<b>2031.31</b>	<b>590.09</b>	<b>1008.86</b>	<b>432.37</b>

### Gross Fixed Assets (GFA) and Capital works in Progress (CWIP)

The proposed GFA and CWIP is summarised in the Table below:

Table 18: Proposed GFA and CWIP

Particulars	As per Tariff Petition		Revised Estimate (Rs. Cr)		Difference in ARR FY 2017-18
	FY 2016-17	FY 2017-18	FY 2016-17	FY 2017-18	Rs Cr
Opening GFA	3980.57	4575.20	3980.57	4775.61	200.41
Opening CWIP	629.77	1249.46	629.77	1049.06	-200.41
Total Capex	1214.32	1248.60	1214.32	1248.60	0
Capitalization	594.62	958.41	795.04	1236.27	277.86
Closing GFA	4575.20	5533.61	4775.61	6011.88	478.27
<b>CWIP at the end of the year</b>	<b>1249.46</b>	<b>1539.65</b>	<b>1049.06</b>	<b>1061.39</b>	<b>-478.26</b>

## 2.1. Interest on Loan Capital

Table 19: Interest of Normative Loan Balance and additions

Particulars	As per Tariff Petition (Rs. Cr)		Revised Estimate (Rs. Cr)		Difference in ARR FY 2017-18 Rs. Cr.
	FY 2016-17	FY 2017-18	Rs Cr	FY 2017-18	
Opening Normative Loan balance	829.55	969.54	829.55	1109.83	140.29
Additions	263.48	410.60	403.76	605.10	194.5
Depreciation	123.49	143.12	123.49	153.58	10.46
Closing Normative Loan Balance	969.54	1237.02	1109.83	1561.35	324.33
Average Normative Loan	899.54	1103.28	969.69	1335.59	232.31
Rate of interest (%)	11.86%	11.86%	11.86%	11.86%	
<b>Interest on Loan</b>	<b>106.69</b>	<b>130.85</b>	<b>115.00</b>	<b>158.40</b>	<b>27.55</b>



## 2.2. Return on equity (RoE)

The table below details the computation of equity for FY 2016-17 and FY 2017-18:

Table 20: Projected Return on equity (Rs. Cr)

Year	As per Tariff Petition (Rs. Cr)		Revised Estimate (Rs. Cr)		Difference in ARR FY 2017-18 Rs. Cr
	FY 2016-17	FY 2017-18	FY 2016-17	FY 2017-18	
Opening Equity	572.59	685.51	572.59	745.63	60.12
Additions	112.92	175.97	173.04	259.33	83.36
Closing Equity	685.51	861.48	745.63	1004.96	143.48
Rate of Return (%)	16.50%	16.50%	16.50%	16.50%	
Return on equity	94.48	113.11	94.48	123.03	9.92

## 2.3. Repair and Maintenance Expenses (R&Mn)

Table 21: Projected Repair and Maintenance Expenses (Rs Cr) for FY 2016-17 and FY 2017-18

Particulars	As per Tariff Petition (Rs. Cr)		Revised Estimate (Rs. Cr)		Difference in ARR FY 2017-18 Rs. Cr
	2016-17	2017-18	2016-17	2017-18	
Plant and Machinery	27.30	33.01	28.49	35.87	2.86
Building	7.24	8.76	7.56	9.52	0.76
Civil Works	0.56	0.68	0.59	0.74	0.06
Hydraulic Works	0.00	0.00	0.00	0.00	0.00
Lines, Cables Net Works etc.	88.08	106.53	91.94	115.73	9.20
Furniture and Fixtures	0.00	0.01	0.00	0.01	0.00
Office Equipment's	1.22	1.47	1.27	1.60	0.13
Total	124.40	150.46	129.85	163.46	13.01

## 2.4. Depreciation

Table 22: Depreciation

Year	As per Tariff Petition (Rs. Cr)		Revised Estimate (Rs. Cr)		Difference in ARR FY 2017-18 Rs. Cr
	FY 2016-17	FY 2017-18	FY 2016-17	FY 2017-18	
Opening GFA (without grant	2367.12	2743.51	2367.12	2943.92	200.41
Additions	594.63	958.41	795.04	1236.27	277.86
Grant/deposit work in addition	218.24	371.85	218.24	371.85	0
Net Additions (Additions- Grant)	376.39	586.57	576.80	864.42	277.85
Closing GFA (without grant and	2743.51	3330.08	2943.92	3808.34	478.26
Average rate of depreciation	5.22%	5.22%	5.22%	5.22%	0
Depreciation	123.49	143.12	123.49	153.58	10.46

## 2.5. Interest on Working Capital

Table 23: Interest on Working Capital

Particulars	As per Tariff Petition (Rs. Cr)	Revised Estimate (Rs. Cr)	Difference in ARR FY 2017-18
	FY 2017-18	FY 2017-18	Rs. Cr.
One month O&M expense	44.96	46.04	1.08
Maintenance spares @ 15% of O&M	80.92	82.87	1.95
2 months of expected revenue at prevailing tariff	1012.96	1082.71	69.75
Capital required to finance shortfall in collection of current dues	71.79	79.28	7.49
Minus: Amount held as security deposit	683.12	683.12	0
Minus: One month of PP cost	438.73	467.92	29.19
Sub-Total	88.77	139.85	51.08
Interest rate (State Bank Advance Rate)	14.05%	14.05%	0
Interest on working capital	12.47	19.65	7.18



### 3. Sharing of savings in Interest on Working Capital

As per Regulation – 15 of the UERC Tariff determination Regulations, 2011, 20% of approved gain and 25% of approved loss to the petitioner on account of controllable factors shall be passed on to the consumers in Tariff and remaining part of gain / loss shall be retained with the petitioner. As per provisions of these Regulations, interest on working capital is a controllable factor and any gain / loss on this account should be dealt in accordance with Regulation – 15. In this connection, it is submitted that Hon'ble Commission while truing – up the expenses of the petitioner for FY 2013-14 & FY 2014-15 has not computed gain / saving on account of approved interest on working capital and the petitioner has also not claimed share of such gain for FY 2015-16. This claim of saving in interest on working capital may be computed as follows:-

Table 24: Sharing of savings in Interest on Working Capital

Year	Approved in the Tariff Order (Rs. Cr.)	Actual (Rs. Cr.)	Saving (Rs. Cr.)	UPCL Share 80% (Rs. Cr.)
2013-14	7.26	0.00	7.26	5.81
2014-15	6.36	0.00	6.36	5.09
2015-16	8.38	0.00	8.38	6.70
<b>Total</b>	<b>22.00</b>	<b>0.00</b>	<b>22.00</b>	<b>17.60</b>

Hon'ble Commission is requested to kindly allow Rs. 17.60 Cr. towards saving in interest on working capital for the period from FY 2013-14 to FY 2015-16 along with ARR for FY 2017-18.



#### 4. Prior Period Adjustment

The treatment of past year adjustments of Rs. 366.04 Cr approved by the commission shall be adjusted from the ARR during three year i.e. FY 2016-17 to FY 2018-19. The petitioner wants to adjust the entire amount within three year as per MYT FY 2016-17. The break-up of the adjustment for FY 2016-17 and FY 2017-18 are given in table below:

Table 25: Prior Period Adjustment

Past Year Adjustments	As per Tariff Petition (Rs. Cr)		Revised Estimate (Rs. Cr)		Difference in ARR FY 2017-18 Rs Cr.
	FY 2016-17	FY 2017-18	FY 2016-17	FY 2017-18	
Opening	366.04	286.89	366.04	286.89	
Addition	-122.01	-286.89	-122.01	-143.44	
Closing	244.03	0.00	244.03	143.44	
Average	305.03	143.44	305.03	215.17	
Interest rate (as approved for WC borrowings)	14.05%	14.05%	14.05%	14.05%	
Carrying Cost	42.86	20.15	42.86	30.23	
Adjusted during the year	-122.01	-307.04	-122.01	-173.67	
Final Closing Gap	286.89	0.00	286.89	143.44	133.37

The petitioner prays to Hon'ble Commission to approve the revised prior period adjustment for FY 2017-18.




## 5. Annual Revenue Requirement for FY 2017-18

In light of the components discussed above, the ARR proposed by Petitioner for FY 2017-18 is provided in the Table below:

Table 26:ARR for FY 2017-18(Rs. Cr)

S. No	Particulars	last submission ARR 2017-18	ARR 2017-18 (Revised)	Difference	% Increase
1	Power purchase expenses	4,269.56	4,556.84	287.28	5.17%
2	Transmission charges -PGCIL charges	685.44	741.8999	56.46	1.02%
3	Transmission charges -PTCUL charges	309.74	309.74		
A	<b>Total Power Purchase Expenses (1+2+3)</b>	<b>5,264.74</b>	<b>5,608.48</b>	<b>343.74</b>	<b>6.19%</b>
4	O&M Charges	539.46	552.47	13.01	0.23%
5	Interest Charges	190.58	218.13	27.55	0.50%
6	Depreciation	143.12	153.58	10.46	0.19%
7	Interest on Working Capital	12.47	19.50	7.03	0.13%
B	<b>Gross Expenditure (A+4+5+6+7)</b>	<b>6,150.37</b>	<b>6,552.15</b>	<b>401.78</b>	<b>7.23%</b>
8	Return on equity	113.11	123.03	9.92	0.18%
C	<b>Net Expenditure (B+8)</b>	<b>6,263.48</b>	<b>6,675.18</b>	<b>411.70</b>	<b>7.41%</b>
9	Non-Tariff Income	(185.70)	(185.70)		
D	<b>Net annual revenue requirements (C+9)</b>	<b>6,077.78</b>	<b>6,489.48</b>	<b>411.70</b>	
10	Revenue at existing tariffs	(5,556.52)	(5,556.52)		
11	Gap (D+10)	521.27	932.96	(411.70)	7.41%
12	Gap for FY 15-16 including carrying cost	(27.90)	(27.90)		
13	Previous year adjustment	(307.04)	(173.67)	133.37	2.40%
14	Profit Sharing on working Capital		17.60	17.60	0.32%
E	<b>Total Gap (11+12+13+14)</b>	<b>186.32</b>	<b>748.99</b>	<b>(562.67)</b>	<b>10.13%</b>
	<b>Tariff Hike required</b>	<b>3.35%</b>	<b>13.48%</b>		

The petitioner prays to Hon'ble Commission to approve the revised Aggregated Revenue Requirement for FY 2017-18.



## 5.1. Revenue at existing tariff

The category-wise revenue assessment and average tariff for each year of the control period at the existing tariff rates (fixed charge and energy charge approved by the Hon'ble Commission in the Retail Tariff Order for FY 2015-16) are given below. Sales forecast is based on Adjusted Trend Analysis Method (CAGR).

Table 27: Category-wise average tariff & forecast revenue for the control period at existing tariff rate

Consumer Category	FY 2016-17			FY 2017-18		
	Sales (MU)	Avg. Tariff at Existing Rate (Rs/Unit)	Total Forecast Revenue (Rs Cr.)	Sales (MU)	Avg. Tariff at Existing Rate (Rs/Unit)	Total Forecast Revenue (Rs Cr.)
RTS-1: Domestic	2,665.51	3.51	934.37	2,908.48	3.49	1,014.32
RTS-2: Non-Domestic	1,249.94	5.70	712.50	1,333.10	5.71	761.27
RTS-3: Public Lamps	44.39	4.83	21.43	45.28	4.84	21.93
RTS-4: Private Tube-wells / Pumping sets	329.73	1.69	55.74	357.32	1.70	60.90
RTS-5: Government Irrigation System	138.32	4.82	66.72	145.47	4.83	70.27
RTS-6: Public Water Works	364.07	4.83	175.70	377.98	4.83	182.59
RTS-7: LT	307.34	5.38	165.22	320.70	5.36	171.94
RTS-7: HT	5,618.17	5.32	2,988.52	5,937.16	5.32	3,158.68
RTS-8: Mixed Load	196.26	4.50	88.32	203.36	4.72	95.95
RTS-9: Railway Traction	21.65	5.78	12.52	35.13	5.31	18.66
<b>Total</b>	<b>10,935.40</b>	<b>4.77</b>	<b>5,221.04</b>	<b>11,663.98</b>	<b>4.76</b>	<b>5,556.52</b>

## 5.2. Revenue at proposed tariff in FY 2017-18

Based on the gap depicted above, it is proposed to recover the entire gap in FY 2017-18. The Table below details the summary of the revenue from the various consumer categories at the proposed tariff.

Table 28: Projected Revenues for FY 2017-18 at Proposed Tariffs

FY 2017-18 Category	Sales in MU	Revenue (Rs. Cr)		Rs/Unit		Hike	Hike %
		Existing	Proposed	Existing	Proposed		
RTS-1: Domestic	2,908.48	1,014.32	1,152.94	3.49	3.96	0.48	13.67%
RTS-2: Non-Domestic	1,333.10	761.27	863.89	5.71	6.48	0.77	13.48%
RTS-3: Public Lamps	45.28	21.93	24.96	4.84	5.51	0.67	13.84%
RTS-4: Private Tube-wells / Pumping sets	357.32	60.90	70.73	1.70	1.98	0.27	16.13%
RTS-5: Government Irrigation System	145.47	70.27	79.81	4.83	5.49	0.66	13.57%
RTS-6: Public Water Works	377.98	182.59	207.33	4.83	5.49	0.65	13.55%
RTS-7: Total HT & LT Industry	6,257.86	3,331	3,775	5.32	6.03	0.71	13.36%
Total LT	320.70	171.94	194.79	5.36	6.07	0.71	13.29%



Category	Sales in MU	Revenue (Rs. Cr)		Rs/Unit			
		Existing	Proposed	Existing	Proposed	Hike	Hike %
Total HT	5,937.16	3,158.68	3,580.64	5.32	6.03	0.71	13.36%
RTS-8: Mixed Load	203.36	95.95	109.17	4.72	5.37	0.65	13.78%
RTS-9: Railway Traction	35.13	18.66	21.24	5.31	6.05	0.74	13.87%
Total Existing Tariff	11,663.98	5,556.52	6,305.502	4.76	5.41	0.64	13.48%

### 5.3. Cross Subsidy

The level of cross-subsidy among various consumer categories is given below:

Table 29: Level of Cross-subsidy

Category	Cross Subsidy	
	Existing	Proposed
RTS-1: Domestic	26.79%	26.67%
RTS-2: Non-Domestic	-19.87%	-19.87%
RTS-3: Public Lamps	-1.66%	-1.98%
RTS-4: Private Tube-wells / Pumping sets	64.22%	63.38%
RTS-5: Government Irrigation System	-1.41%	-1.49%
RTS-6: Public Water Works	-1.40%	-1.46%
RTS-7: Total HT & LT Industry	-11.72%	-11.60%
Total LT	-12.54%	-12.36%
Total HT	-11.68%	-11.56%
RTS-8: Mixed Load	0.96%	0.70%
RTS-9: Railway Traction	-11.48%	-11.87%

Hence it is clear that there is no change in the level of cross-subsidy. There are minor differences in few categories due to rounding of the Fixed Charges and Energy Charges.



## B: Tariff Proposal

1. The tariff proposal has been formulated by the Petitioner with an attempt to keep the impact on the consumers to the minimum possible and at the same time not defer a large portion of recovery on the tariff in the coming years. Also, the provision of the Section 61(g) of the Electricity Act, 2003 states that the appropriate Commission should be guided by the objective that the tariff progressively reflects the efficient and prudent cost of Supply of electricity.
2. The petitioner prays to Hon'ble Commission for change in tariff FY-2017-18 from kW to kVA for fixed charges and kWh to kVAh for energy charges under RTS-3: Public Lamp and RTS-5: Government Irrigation System.
3. The petitioner has not proposed any tariff hike for lifeline consumers.
4. Accordingly, the tariff proposal for each of the tariff category and slab is given below vis-a-vis the existing tariff.

Table 30: Category-wise and Slab-wise Existing Tariff vis-a-vis Proposed Tariff

Consumer Category	Existing Tariff		Proposed Tariff	
	Energy Charge	Fixed Charge	Energy Charge	Fixed Charge
<b>RTS-1: Domestic</b>				
1.1 Life Line Consumers	1.50 Rs/kWh	14.00 Rs/Con/Month	1.50 Rs/kWh	14.00 Rs/Con/Month
1.2 Other Domestic Consumers				
(i) 0-100 Units/month	2.45 Rs/kWh	40 Rs/Con/Month	2.80 Rs/kWh	45.00 Rs/Con/Month
(ii) 101-200 Units/month	3.10 Rs/kWh	60 Rs/Con/Month	3.50 Rs/kWh	75.00 Rs/Con/Month
(iii) 201-300 Units/month	4.10 Rs/kWh	85 Rs/Con/Month	4.65 Rs/kWh	95.00 Rs/Con/Month
(iv) 301-400 Units/month	4.10 Rs/kWh	110 Rs/Con/Month	4.65 Rs/kWh	125.00 Rs/Con/Month
(v) 401-500 Units/month	4.50 Rs/kWh	150 Rs/Con/Month	5.15 Rs/kWh	170.00 Rs/Con/Month
(vi) Above 500 Units/month	4.50 Rs/kWh	175 Rs/Con/Month	5.15 Rs/kWh	200.00 Rs/Con/Month
2. Single Point Bulk Supply	3.70 Rs/kWh	50.00 Rs/kW/Month	4.20 Rs/kWh	55.00 Rs/kW/Month
<b>RTS-1A: Snow bound</b>				
1. Domestic	1.50 Rs/kWh	14 Rs/Con/Month	1.70 Rs/kWh	15.00 Rs/Con/Month
2. Non-Domestic up to 1 kW	1.50 Rs/kWh	14 Rs/Con/Month	1.70 Rs/kWh	15.00 Rs/Con/Month
3. Non-Domestic above 1 kW & up to 4 kW	2.25 Rs/kWh	14 Rs/Con/Month	2.56 Rs/kWh	15.00 Rs/Con/Month
4. Non-Domestic above 4 kW	3.40 Rs/kWh	25 Rs/Con/Month	3.85 Rs/kWh	30.00 Rs/Con/Month
<b>RTS-2: Non-Domestic</b>				
(i) Government/Municipal Hospitals (ii) Government/Government Aided Educational Institutions (iii) Charitable Institutions registered under the Income Tax Act, 1961 and whose income is exempted from tax under this Act				
1.1 Up to 25 kW	4.15 Rs/kWh	45 Rs/kW/Month	4.70 Rs/kWh	50.00 Rs/kW/Month
1.2 Above 25 kW	3.85 Rs/kVAh	55 Rs/kVA/Month	4.35 Rs/kVAh	60.00 Rs/kVA/Month

Consumer Category	Existing Tariff		Proposed Tariff	
	Energy Charge	Fixed Charge	Energy Charge	Fixed Charge
<b>2. Other non-Domestic/Commercial Users</b>				
2.1 Up to 4 kW and consumption up to 50 units per month	4.30 Rs/kWh	50 Rs/kW/Month	4.85 Rs/kWh	55.00 Rs/kW/Month
2.2 Others up to 25 kW not covered in 2.1 above	5.10 Rs/kWh	55 Rs/kW/Month	5.75 Rs/kWh	65.00 Rs/kW/Month
2.3 Above 25 kW	5.00 Rs/ kVAh	55 Rs/kVA/Month	5.70 Rs/kVAh	65.00 Rs/kVA/Month
<b>3. Single Point Bulk Supply above 75 kW</b>	4.90 Rs/ kVAh	55 Rs/kVA/Month	5.60 Rs/kVAh	65.00 Rs/kVA/Month
<b>4. Independent Advertisement Hoardings</b>	5.20 Rs/kWh	70 Rs/kW/Month	5.90 Rs/kWh	80.00 Rs/kW/Month
<b>RTS-3: Public Lamps</b>				
1. Urban	4.65 Rs/kWh	50.00 Rs/kW/Month	5.30 Rs/kVAh	55.00 Rs/kVA/Month
2. Rural	4.65 Rs/kWh	40.00 Rs/kW/Month	5.30 Rs/kVAh	45.00 Rs/kVA/Month
<b>RTS-4: Private Tube-wells / Pumping sets</b>	1.55 Rs/kWh		1.80 Rs/kWh	
<b>RTS-4A: Agriculture Allied Activities</b>	1.55 Rs/kWh		1.80 Rs/kWh	
<b>RTS-5: Government Irrigation System</b>				
1.1 Up to 75 kW	4.55 Rs/kWh	50.00 Rs/kW/Month	5.20 Rs/kVAh	50.00 Rs/kVA/Month
2.2 Above 75 kW	4.40 Rs/kVAh	50.00 Rs/kVA/Month	5.10 Rs/kVAh	50.00 Rs/kVA/Month
<b>RTS-6: Public Water Works</b>				
1. Urban	4.45 Rs/kVAh	50.00 Rs/kVA/Month	5.05 Rs/kVAh	55.00 Rs/kVA/Month
2. Rural	4.45 Rs/kVAh	40.00 Rs/kVA/Month	5.05 Rs/kVAh	50.00 Rs/kVA/Month
<b>RTS-7: LT &amp; HT Industry</b>				
<b>LT industry having contracted load up to 75 kW (100 BHP)</b>				
1. Contracted load up to 25 kW	4.05 Rs/kWh	130.00 Rs/kW/Month	4.50 Rs/kWh	150.00 Rs/kW/Month
2. Contracted load more than 25 kW	3.70 Rs/kVAh	130.00 Rs/kVA/Month	4.20 Rs/kVAh	150.00 Rs/kVA/Month
<b>HT industry having contracted load up to 88kVA/75 kW (100 BHP)</b>				
3. Contracted load up to 1000 kVA				
3.1 Load factor up to 40%	3.50 Rs/kVAh	255.00 Rs per kVA of billable demand	3.85 Rs/kVAh	290.00 Rs per KVA of billable demand
3.2 Load factor above 40%	3.85 Rs/ kVAh	255.00 Rs per kVA of billable demand	4.40 Rs/kVAh	290.00 Rs per KVA of billable demand
4. Contracted load above 1000 kVA				
4.1 Load factor up to 40%	3.50 Rs/ kVAh	320.00 Rs per kVA of billable demand	3.85 Rs/kVAh	350.00 Rs per KVA of billable demand
4.2 Load factor above 40%	3.85 Rs/ kVAh	320.00 Rs per kVA of billable demand	4.40 Rs/kVAh	350.00 Rs per KVA of billable demand

Consumer Category	Existing Tariff		Proposed Tariff	
	Energy Charge	Fixed Charge	Energy Charge	Fixed Charge
<b>RTS-8: Mixed Load</b>				
Mixed Load Single Point Bulk Supply above 50 kW including MES as deemed licensee	4.50 Rs/kWh	60.00 Rs/kW/Month	5.15 Rs/kWh	70.00 Rs/kW/Month
<b>RTS-9: Railway Traction</b>				
1. Railway Traction	3.95 Rs/kVAh	225 Rs/kVA/Month	4.65 Rs/kVAh	240.00 Rs/kVA/Month
<b>RTS-10: Temporary Supply</b>				
(1) For Illumination / public address/ ceremonies for load up to 15 kW		Rs. 1250 per day		Rs. 1420 per day
(2) Temporary shops set up during festivals / melas and having load up to 2 kW		Rs. 85 per day		Rs. 95 per day
(3) Other Temporary shops/ Jhuggi /Jhopris for load up to 1 kW				
3.1) Rural		Rs. 115/month/ connection		Rs. 130/month/ connection
3.2) Urban		230/month/ connection		260/month/ connection

#### Time of Day Tariff – LT & HT Industry

(i) ToD Load shall be as under:

Season/Time of day	Morning Peak hours	Normal hours	Evening Peak Hours	Off-peak Hours
Winters 01.10 to 31.03	0600-0930 hrs	0930-1730 hrs	1730-2200 hrs	2200-0600 hrs
Summers 01.04 to 30.09	--	0700-1800 hrs	1800-2300 hrs	2300-0700 hrs

The, ToD Rate of Energy Charges shall be as under:

#### For LT Industry

Energy Charge during		
Normal Hours	Peak Hours	Off-peak Hours
Rs. 4.20/kVAh	Rs.6.30/ kVAh	Rs.3.78/kVAh

#### For HT Industry

Load Factor*	Energy Charge during		
	Normal Hours	Peak Hours	Off-peak Hours
Up to 40%	Rs.3.85/kVAh	Rs.6.60/kVAh	Rs.3.47/kVAh
Above 40%	Rs.4.40/kVAh	Rs.6.60 /kVAh	Rs.3.96/kVAh

\* Load Factor shall be as defined in Clause 2 above



## **C:Proposed Prepaid Metering Scheme for FY 2017-18**

1. The option of Pre-paid metering shall be available for all categories of consumers upto 25 kW load under LT category. Prepaid Metering shall be mandatory for new Temporary LT connections, for Advertisements/Hoardings and for Government connections upto 25 kW.
2. There shall be a minimum recharge of Rs. 100 and the maximum limit of recharge shall be Rs. 15,000 for both single phase and three phase connections. Validity of the recharge shall be continued till the amount is available in the account of the consumer. Any recharge shall be allowed only when the 20 digit special meter reading code shall be made available by the consumer.
3. Meter testing fee shall be charged by UPCL under Schedule of Miscellaneous Charges directly from such prepaid consumers as is done for post-paid consumers and shall not be charged from the recharge amount.
4. In case, the consumer opting for Prepaid Metering has outstanding arrears, the Petitioner shall adjust 20% of the past arrears or 50% of the recharge amount, whichever is higher from the recharge voucher, subject to the maximum of the outstanding arrears. Further, the maximum limit of recharge as mentioned above shall not be applicable in case of consumers having outstanding arrears and accordingly, such consumers having past arrears will have to take minimum recharge of more than 20% of the outstanding arrears.
5. The Petitioner shall make necessary provisions to provide friendly credit hours/limit to the consumers, in order to ensure uninterrupted supply to the consumer in the event of expiry of the balance during non-working hours, i.e. night time or during holiday, so as to provide reasonable time to the consumer to procure the recharge voucher at the next possible working hours or working day. However, the charges for the electricity consumed between expiry of balance during non-working hours and subsequent recharge voucher shall be adjusted from the recharge voucher.
6. All the Prepaid meters will be provided with an alarm to indicate low credit.
7. As per the guiding principles and Section 47(5) of the Electricity Act, 2003 the Petitioner shall not charge any security deposit as is required in post-paid connections



but price equivalent to the material cost, i.e. cost of meter and associated equipment's shall be charged as material security which shall be returned at the time of permanent disconnection. The approved material security deposit for FY 2016-17 is Rs. 5000/- for single phase connection and Rs 10,000/- for three phase connection.

8. The consumer shall be allowed only one transfer from post-paid to prepaid or otherwise in a financial year.
9. Minimum Consumption Guarantee (MCG), voltage rebate/surcharge, low power factor surcharge and excess load penalty shall not be applicable for prepaid connections.
10. A rebate of 4% of Energy Charges for Domestic Category and 3% of Energy Charges for other categories shall be applicable as per tariff schedule for the consumers availing this scheme and the rebate shall only be applicable after installation and operationalization of Prepaid meters. Provided that no rebate shall be applicable on Part (A) of RTS-10, i.e. Temporary Supply for Illumination & Public Address Needs. Provided further that the fixed charge in respect of other domestic consumers (para 2 (1.2) of the RTS -1) shall be Rs. 45/kW /month.
11. The solar water heater rebate shall be adjusted as follows:-
  - i. The rebate for first month of implementation of prepaid metering scheme shall be credited immediately on the first recharge. Thereafter, rebate shall be credited on monthly basis if recharge is done every month.
  - ii. In case recharge is not being done on monthly basis, then based on the capacity of Solar Water Heater installed by the consumer, solar water heater rebate would be credited for all the past months for which the rebate was due either at the time of recharge or when the consumer approaches UPCL.



## D: Abolition of Grace Period

1. As per Regulation - 3.3.1 (3) of the UERC (The Electricity Supply Code) Regulations, 2007 as amended from time to time, delivery of electricity bill to the consumer should be effected atleast 15 days before the due date for payment of the bill.
2. On the representation of the consumers regarding delay in delivery of electricity bills by the petitioner, Hon'ble Commission in its Tariff Order dated 12-07-2006 ordered that till such time that UPCL is able to streamline its bill making and distribution system to Commission's satisfaction, grace period of 15 days beyond the last date payment printed on the bill will be available to all consumers without any Delayed Payment Surcharge.
3. As per direction of Hon'ble Commission, the petitioner is regularly allowing 15 days grace period beyond the due date to the consumers. In this connection, it is submitted that the petitioner has improved its billing and distribution system tremendously, the details of which are as follows:-

### 3.1 100% In-house Billing

At the time of passing of order by the Hon'ble Commission allowing the grace period, the entire billing of the petitioner was outsourced to the agencies situated in Meerut & New Delhi. Now the entire billing is In-house and the billing system is established at Corporate Office.

### 3.2 Direct feeding of Meter Reading in SBM:

Meter readings of the consumers are being directly feed in the Spot Billing Machines (SBM) by the meter reader. This eliminates the possibility of wrong posting of meter readings in consumers' accounts. In other words, this ensures correct posting of meter readings.

### 3.3 Generation and Delivery of Bills at the time of Meter Readings:

Earlier Bills of Domestic Category were being generated and served about 2 months after the date of readings. Now Bills of all domestic, non-domestic (having load below 10kW) and LT Industry (having load below 5 kW) categories are being generated exactly at the time of meter reading and delivered to the consumers by the meter reading staff. Thus, there is no delay in delivery of bills and no possibility of non-delivery of the bills to the consumers. This category of consumers covers about 99% of total consumers. Further, billing of high value consumers is being done in Key Consumer Cell at Corporate Office and consumers are being allowed clear 15 days time to pay their bills.

### 3.4 Bill and Payment details through SMS:

The consumers who have provided their mobile numbers, are being given bill payment details through Short Message Service (SMS).

### 3.5 Bill and Payment details at the website of UPCL:



The billing and payment details of consumers are being regularly posted at the website of UPCL. Now the consumer can see the said details by creating login under UPCL's website.

**3.6 Customer Care Centre:**

UPCL has developed 24 x 7 Hrs Customer Care Centre at its registered office i.e. at VCV Gabar Singh UrjaBhawan, Kanwali Road, Dehradun to attend Consumer Complaints inter-alia relating to no reading and providing reply to the consumers to their satisfaction.

Keeping in view the improvement in the billing and bill distribution system, Hon'ble Commission is requested to kindly abolish the grace period and provide in the Rate Schedule that the Delayed Payment Surcharge shall be levied after the due date of the bill.

A handwritten signature in cursive script, appearing to read 'J. Singh', is positioned in the lower right quadrant of the page.



## **E: Prayer**

The Petitioner prays that the Hon'ble Commission may kindly like to approve the following:

1. Revision in ARR for FY 2017-18 as submitted herein above;
2. Tariff Proposal as submitted herein above
3. Proposed Prepaid Metering Scheme for FY 2017-18
4. Proposal for abolition of Grace Period

For and on behalf of  
Uttarakhand Power Corporation Limited



(M. K. Jain)

Managing Director

### **Verification**

I, M. K. Jain S/o Shri Vijay Kumar Jain, aged about 58 years, working as Managing Director – Uttarakhand Power Corporation Limited, VCV Gabar Singh UrjaBhawan, Dehradun do hereby verify that the contents of Paras A (1 to 5), B (1 to 4), C (1 to 11), D (1 to 3) and E ( 1 to 4) are derived from official records, which are true to my personal knowledge and that I have not suppressed any material fact.



(M. K. Jain)

Managing Director

Uttarakhand Power Corporation Limited



In the matter of: Annual revenue requirement (ARR) petition for the financial year 2017-18 alongwith tariff determination for FY 2017-18, true-up for FY 2015-16 and annual performance review for FY 2016-17.

And:

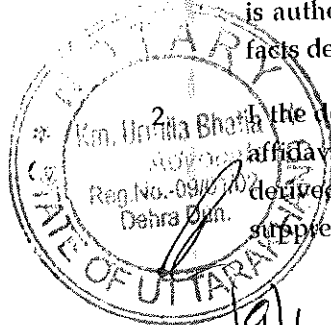
In the matter of: Uttarakhand Power Corporation Limited.

Petitioner

**AFFIDAVIT VERIFYING THE PETITION**

I, M. K. Jain, S/o Shri Vijay Kumar Jain, aged about 58 years, working as Managing Director - Uttarakhand Power Corporation Limited, VCV Gabar Singh Urja Bhawan, Dehradun, the deponent named above do hereby solemnly affirm and state on oath as under:

1. That the deponent is the Managing Director of Uttarakhand Power Corporation Limited who is authorized as per resolution of the company dated 29-11-2016 and is acquainted with the facts deposed to below.



2. The deponent named above do hereby verify that the contents of the paragraph No.-1 of the affidavit and those of the Paras A (1 to 5), B (1 to 4), C (1 to 11), D (1 to 3) and E (1 to 4) are derived from official records, which are true to my personal knowledge and that I have not suppressed any material fact.

Deponent

*(Handwritten Signature)*

(M. K. Jain)

Managing Director

Uttarakhand Power Corporation Limited

279/20  
29-10-15

U.P. C L D. D. D. D.

Stamp vendor, ...  
Food Corporation, ...

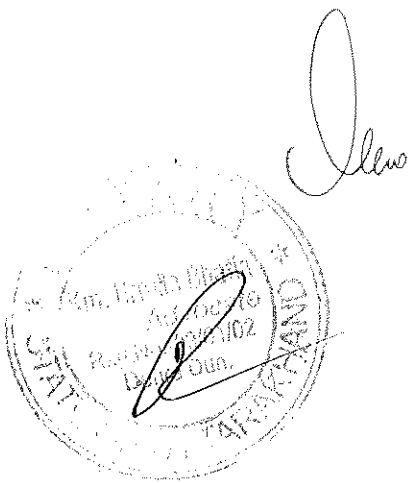
...

I, Anil Prasad Ranakoti, Advocate, do hereby declare that the person making this affidavit is known to me through the perusal of records and I am satisfied that he is the same person alleging to be deponent himself.

(.....*Anil*.....)  
Advocate  
R.N. 9758/03

Solemnly affirmed before me on this .....*19*.....day of *01.17*.....by the deponent who has been identified by the aforesaid advocate.

I have satisfied myself by examining the deponent that he understood the contents of the affidavit which has been read over and explained to him. He has also been explained about section 193 of Indian Penal Code that whoever intentionally gives false evidence in any of the proceedings of the Commission or fabricates evidence for purpose of being used in any of the proceedings shall be liable for punishment as per law.



(Notary Public)

This Affidavit is Sworn before me  
3hrs .....*Anil Prasad Ranakoti*.....  
who is identified by signature .....*Anil Prasad Ranakoti*.....  
at Dehradun on .....*19/11/17*.....  
Km. URBANA BHATIA  
Advocate & NOTARY, Dehra Dun