



No. 5421..

/UPCL/RM/B-17

Dated: 3.9. - 12 -2015

**BEFORE THE UTTARAKHAND ELECTRICITY REGULATORY COMMISSION**

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**IN THE MATTER OF: APPLICATION SEEKING APPROVAL OF BUSINESS PLAN OF THE PETITIONER COMPANY FOR THE CONTROL PERIOD OF THREE FINANCIAL YEARS FROM 01-04-2016 TO 31-03-2019.**

**AND**

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

.....Petitioner

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(Sumer Singh Yadav)  
Managing Director

**BEFORE THE UTTARAKHAND ELECTRICITY REGULATORY COMMISSION**

**IN THE MATTER OF:** APPLICATION SEEKING APPROVAL OF BUSINESS PLAN OF THE PETITIONER'S COMPANY FOR THE CONTROL PERIOD OF THREE FINANCIAL YEARS FROM 01-04-2016 TO 31-03-2019

**AND**

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

.....**Petitioner**

This is with reference to Hon'ble Commission's letter no. UERC/6/TF-284/15-16/2015/1360, dated 08-12-2015 vide which the petitioner has been asked to submit the reply to the deficiencies/ shortcomings observed by the Hon'ble Commission in the Business Plan. The petitioner is directed to submit the reply on the affidavit latest by 31-12-2015. The point wise reply/ information is mentioned herein below and the petitioner most respectfully showeth as follows in the matter:-

- 1. UPCL should submit the data of actual category-wise sales for the period from April to October 2015.**

**Reply:**

The Petitioner would like to submit that the sales data for Oct 2015 is in the later stages of being finalised. The Petitioner humbly requests the Hon'ble Commission to provide time till 15 Jan 2015 to submit the same. The category wise sales for the period from April to Sep has been shown in the table below:

<b>FY 2015-16</b>	<b>Apr-15</b>	<b>May-15</b>	<b>Jun-15</b>	<b>Jul-15</b>	<b>Aug-15</b>	<b>Sep-15</b>
RTS-1: Domestic	160.90	178.48	199.39	228.57	217.53	223.82
RTS-2: Non-Domestic	77.99	90.85	99.18	102.78	101.76	100.71
RTS-3: Public Lamps	3.26	3.29	3.72	3.50	3.46	3.52
RTS-4: Private Tube-wells / Pumping sets	18.35	30.95	38.46	20.52	26.00	16.06
RTS-5: Government Irrigation System	8.87	13.58	10.37	11.40	10.54	11.26
RTS-6: Public Water Works	28.61	26.10	27.24	31.24	26.80	29.73
RTS-7: LT & HT Industry	464.79	488.07	478.44	503.57	494.03	481.59
<i>Total LT</i>	21.02	20.81	23.29	22.95	22.22	21.47
<i>Total HT</i>	443.77	467.27	455.16	480.63	471.81	460.11
RTS-8: Mixed Load	13.87	15.45	14.88	15.09	16.32	15.61
RTS-9: Railway Traction	1.05	1.22	1.27	1.23	1.23	1.44
<b>Total</b>	<b>777.69</b>	<b>847.99</b>	<b>872.94</b>	<b>917.90</b>	<b>897.66</b>	<b>883.74</b>

2. UPCL should submit the justification for the growth rate considered for projecting sales to RTS9: Railways.

**Reply:**

The Petitioner while projecting the sales for all the consumer categories has adopted an Adjusted Trend Analysis Method. This approach also discounts any outlier (relative to the trend) observed in the growth rates over the period of 5 years and excludes them while projecting energy sale. Thus, the Petitioner while projecting the sales for Railway category consumers for each year of the control period has considered the average of y-o-y increase for the category from FY 2010-11 to FY 2014-15 excluding the outlier's.

3. UPCL should submit the data of actual source-wise quantum, cost, and rate of power purchase for the period from April to October 2015.

**Reply:**

The actual source-wise quantum, cost, and rate of power purchase for the period from April to October 2015 has been shown in the table below:

Details of the Station	Energy at State periphery (MU)	Costs (Rs.Cr)	Avg. Rate (Rs/kWh)
Salal	32.65	12.86	3.94
Tanakpur	8.09	3.03	3.74
Chamera I	74.67	12.33	1.65
Chamera II	12.46	5.24	4.20
Chamera III	42.54	26.60	6.25
Uri	71.14	17.35	2.44
Dhauliganga	39.88	13.28	3.33
Dulhasti	85.50	52.29	6.12
Sewa II	21.02	9.35	4.45
Uri II	26.81	13.22	4.93
Parbati Stage III	27.99	14.99	5.35
<b>NHPC</b>	<b>442.75</b>	<b>180.53</b>	<b>4.08</b>
Nathpa Jhakri	32.43	8.57	2.64
Rampur	172.12	53.37	3.10
<b>SJVNL</b>	<b>204.54</b>	<b>61.94</b>	<b>3.03</b>
Tehri HEP I	59.23	65.40	11.04
Koteshwar	48.19	18.65	3.87
<b>THDC</b>	<b>107.42</b>	<b>84.05</b>	<b>7.82</b>
Singrauli	422.05	85.16	2.02
F G Unchahar-I	136.19	52.41	3.85
F G Unchahar-2	73.19	27.90	3.81
F G Unchahar-3	44.52	20.80	4.67
N C T Dadri:2	15.71	7.91	5.03
Rihand-1 STPS	150.67	41.28	2.74
Rihand-2 STPS	147.56	42.61	2.89
Rihand-3 STPS	127.89	42.68	3.34
Kahalgaon-II	115.76	40.33	3.48
Jhajjar Aravali	7.23	9.79	13.53
Koldam	86.49	39.98	4.62
Anta Gas	24.75	14.18	5.73
Auraiya Gas	36.07	21.09	5.85

Details of the Station	Energy at State periphery (MU)	Costs (Rs.Cr)	Avg. Rate (Rs/kWh)
Dadri Gas	62.23	31.38	5.04
<b>NTPC</b>	<b>1450.32</b>	<b>477.49</b>	<b>3.29</b>
Narora APP	78.49	19.72	2.51
Rajasthan APP	83.21	30.36	3.65
<b>NPCIL</b>	<b>161.70</b>	<b>50.09</b>	<b>3.10</b>
<b>Total CSGS</b>	<b>2366.74</b>	<b>854.10</b>	<b>3.61</b>
Dhakrani	76.24	9.71	1.27
Dhalipur	122.99	10.96	0.89
Chibro	501.23	49.92	1.00
Khodri	225.09	16.45	0.73
Kulhal	85.54	9.79	1.14
Ramganga	283.99	29.95	1.05
Tiloth	343.14	41.45	1.21
Chilla	522.73	51.71	0.99
Khatima	71.35	10.82	1.52
UJVNL Receivable	0.00	75.84	
<b>UJVNL Large Hydro</b>	<b>2232.29</b>	<b>306.61</b>	<b>1.37</b>
<b>Maneri Bhali II</b>	<b>991.57</b>	<b>258.11</b>	<b>2.60</b>
<b>Total UJVNL</b>	<b>3335.43</b>	<b>581.06</b>	<b>1.74</b>
<b>UREDA</b>	<b>1.78</b>	<b>0.99</b>	<b>5.57</b>
Rajwakti Him Urja SHP	14.53	3.63	2.50
Hanuman Ganga SHP	3.87	1.16	2.99
Debal	16.46	6.01	3.65
LoharKhet	13.35	4.87	3.65
Gunsola Hydro Agunda Thati	10.90	4.85	4.45
Bhilangana(Swasti)	82.92	30.68	3.70
Vanala	33.82	13.53	4.00
Motighat	15.53	6.63	4.27
Rishiganga	11.84	4.74	4.00
Birahi Ganga	21.33	9.34	4.38
Uttar Bharat	13.74	6.71	4.88
Gangani	33.42	13.79	4.13
Badiyar	12.52	5.95	4.75
<b>IPP, Hydro</b>	<b>284.21</b>	<b>111.88</b>	<b>3.94</b>
RBNS Sugar Mill	5.18	2.42	4.67
Uttam Sugar Mills	1.05	0.52	4.97
Lakshmi Sugar Mills	3.26	1.76	5.40
<b>Co-Gen</b>	<b>9.49</b>	<b>4.70</b>	<b>4.96</b>
RV Akash Ganga	1.63	3.42	21.01
Metro Frozen	0.76	1.59	20.92
Jay Ace Technologies	1.34	2.86	21.32
<b>Solar</b>	<b>3.73</b>	<b>7.87</b>	<b>21.10</b>
Ashok Aneja	0.26	0.24	9.06
Sourabh Arora	0.23	0.21	9.20
<b>Solar Roof-top</b>	<b>0.49</b>	<b>0.49</b>	<b>10.05</b>
Sasan	331.71	57.14	1.72
<b>Other Large Pvt.</b>	<b>331.71</b>	<b>57.14</b>	<b>1.72</b>

Details of the Station	Energy at State periphery (MU)	Costs (Rs.Cr)	Avg. Rate (Rs/kWh)
<b>Total IPP's</b>	<b>630.92</b>	<b>182.58</b>	<b>2.89</b>
Dhauliganga	112.15	17.25	1.54
Tanakpur	36.01	5.38	1.49
Tehri	253.83	37.12	1.46
Koteshwar	101.45	15.01	1.48
Vishnu Prayag	110.90	16.25	1.47
<b>State Royalty Power</b>	<b>614.34</b>	<b>91.01</b>	<b>1.48</b>
<b>Total Power Purchase from Firm Sources</b>	<b>6947.43</b>	<b>1708.74</b>	<b>2.46</b>
Banking Received	124.42	0.00	-
UI Overdrawal	167.76	74.91	4.47
Tender Purchases	589.99	219.25	3.72
IEX (Net Purchases)	475.63	163.44	3.44
Reactive Payables	0.00	3.06	-
<b>Open Market Purchases &amp; UI</b>	<b>1357.79</b>	<b>460.65</b>	<b>3.39</b>
<b>Total Purchases</b>	<b>8305.22</b>	<b>2169.40</b>	<b>2.61</b>
<b>Less</b>			
Banking Payable	812.25	-	0.00
UI Underdrawal	22.93	-	0.00
Reactive Units Receivables	0.00	0.80	-
<b>Trading &amp; UI</b>	<b>835.18</b>	<b>0.80</b>	<b>0.01</b>
<b>Gross Consumption</b>	<b>7470.04</b>	<b>2168.59</b>	<b>2.90</b>

4. UPCL should include a summary Table indicating the source-wise summary of power purchase quantum, cost in Rs. Crore, and rate in Rs/kWh, giving the actuals for FY 2014-15, as approved by the Commission for FY 2015-16, and as projected for each year of the Control Period.

**Reply:**

The summary table indicating the required information has been shown as follows:

Particulars	FY 2014-15 (Actual)			FY 2015-16 (Approved)		
	Quantum (in MU)	Cost (Rs Cr)	Rate (Rs / Unit)	Quantum (in MU)	Cost (Rs Cr)	Rate (Rs / Unit)
UJVNL*	3828.31	643.86	1.68	4395.13	652.38	1.48
NHPC	562.07	215.00	3.83	578.85	184.25	3.18
THDC	143.99	111.81	7.77	168.26	80.28	4.77
NTPC	2481.45	803.39	3.24	3174.48	1063.50	3.35
NPCIL	231.49	72.43	3.13	282.67	92.55	3.27
Free Power	799.89	154.92	1.94	908.76	145.66	1.60
SJVNL	174.35	72.67	4.17	254.75	96.44	3.78
Other IPPs	709.47	211.22	2.98	1312.2	434.65	3.31
Open Market Purchases	2275.08	844.03	3.71	1700.46	659.78	3.88
Banking	776.76	299.38	3.85	-290.08		
Water charges					20.00	
<b>Total</b>	<b>11982.86</b>	<b>3428.71</b>	<b>2.86</b>	<b>12485.85</b>	<b>3429.49</b>	<b>2.75</b>

\*UJVNL includes arrears also

Details of the stations	FY 2016-17			FY 2017-18			FY 2018-19		
	PP at state periphery	Total (Rs.Cr.)	Avg. Rate (INR/k Wh)	PP at state periphery	Total (Rs.Cr.)	Avg. Rate (INR/k Wh)	PP at state periphery	Total (Rs.Cr.)	Avg. Rate (INR/k Wh)
NTPC	2837.19	992.99	3.50	2837.19	1042.64	3.67	2837.19	1094.77	3.86
NHPC	563.22	205.66	3.65	563.22	215.94	3.83	563.22	226.74	4.02
UJVNL	4040.37	529.05	1.31	4040.37	546.95	1.35	4040.37	539.26	1.33
SJVNL	234.55	78.68	3.35	234.55	82.62	3.52	234.55	86.75	3.70
THDC	161.39	94.63	5.86	161.39	99.37	6.15	161.39	104.35	6.46
NPCIL	256.00	85.11	3.32	256.00	89.37	3.49	256.00	93.84	3.67
IPPs	1063.78	317.71	2.98	1137.38	327.59	2.88	1137.38	328.07	2.88
New Stations	332.10	159.66	4.81	1176.51	575.72	4.89	1709.65	841.84	4.92
Free Power	879.54	168.91	1.92	879.54	175.87	2.00	879.54	178.58	2.03
<b>Total Power from Firm Sources</b>	<b>10368.14</b>	<b>2632.4</b>	<b>2.54</b>	<b>11286.16</b>	<b>3156.1</b>	<b>2.80</b>	<b>11819.30</b>	<b>3494.17</b>	<b>2.96</b>
Open Market Purchase	3305.27	1201.79	3.64	2838.39	1083.63	3.82	3102.95	1243.87	4.01
<b>Grand-Total</b>	<b>13673.41</b>	<b>3834.19</b>	<b>2.80</b>	<b>14124.55</b>	<b>4239.71</b>	<b>3.00</b>	<b>14922.25</b>	<b>4738.04</b>	<b>3.18</b>

The Petitioner would further like to mention that the Power Purchase Quantum and cost for the control period (FY 17 to FY 19) has also been presented in the Petition submitted (Refer Page No 64 of the MYT Petition)

- 5. UPCL should submit the back-up data on actual source-wise monthly generation for each source of power purchase for FY 2012-13 to FY 2014-15, which has been considered by UPCL for projecting the power purchase for the Control Period.**

**Reply:**

The Source wise monthly generation for each source for FY 2012-13 to FY 2014-15 has been shown below:

FY 2012-13													
Details of the stations	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Total
<b>NTPC</b>													
Singrauli Super Thermal Power	59.7	65.3	66.6	70.9	69.8	61.1	66.3	75.1	81.0	79.4	69.9	80.0	845.0
Feroze Gandhi Unchahar-I	26.1	26.9	24.3	23.0	20.9	16.1	26.4	23.9	26.3	26.1	20.7	22.6	283.4
Feroze Gandhi Unchahar-II	7.6	15.1	12.3	11.1	11.2	11.4	13.2	12.5	13.0	12.7	9.9	11.0	141.1
Feroze Gandhi Unchahar-III	10.2	10.9	9.8	9.2	8.2	8.5	10.3	10.0	8.8	10.3	8.3	7.9	112.3
National Capital Thermal II: Dadri	2.7	5.1	4.5	3.7	3.4	3.6	3.2	5.4	5.2	4.8	4.1	2.6	48.3
Rihand-1 STPS	26.6	31.4	29.4	22.7	12.5	23.4	28.5	15.8	29.0	30.6	25.8	27.2	303.1
Rihand-2 STPS	31.5	30.0	25.5	27.8	24.8	25.8	29.8	27.9	30.1	29.3	26.8	29.4	338.7
Rihand-3 STPS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	7.7	7.0	12.1	13.1	41.5
Kahalgaoon-II	13.5	17.6	12.6	12.5	13.3	12.8	11.5	13.4	15.9	15.0	14.0	16.1	168.2



FY 2012-13													
Details of the stations	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Total
Chharandev	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Harsil	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tharali	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Badrinath	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Sub-Total</b>	<b>0.2</b>	<b>0.2</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.1</b>	<b>0.1</b>	<b>0.0</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.8</b>
<b>IPPs</b>													
Rajwakti Him Urja SHP	1.2	1.1	1.6	1.3	1.9	1.6	1.9	2.4	1.7	1.4	1.4	1.4	18.7
Hanuman Ganga SHP	1.3	2.1	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2
Free Power-Vishnuprayag	9.2	19.4	34.2	35.7	33.5	30.8	17.8	9.4	3.6	1.3	4.9	5.8	205.5
Debal	0.8	1.1	1.3	2.3	2.6	1.6	2.3	1.7	1.1	0.8	0.7	0.7	17.0
LoharKhet	0.9	1.0	1.1	2.1	2.6	2.4	2.9	1.7	1.2	0.9	1.1	1.5	19.3
Gunsola Hydro Agunda Thati	0.9	1.0	0.8	1.7	1.9	2.0	2.1	1.2	0.9	0.7	0.9	1.3	15.3
Bhilangana(Swasti)	4.3	5.0	5.3	12.2	13.4	13.9	8.5	4.4	3.0	2.4	3.7	4.8	80.9
Vanala	2.3	2.6	3.3	1.9	0.9	5.2	8.3	4.8	3.3	2.0	2.5	2.4	39.4
Motighat	1.3	1.9	1.4	1.0	1.1	0.4	1.2	1.7	1.0	0.7	0.7	1.2	13.6
Rishiganga	0.5	2.4	4.2	3.1	0.0	1.8	2.9	1.6	1.0	0.6	0.6	0.4	19.1
Birahi Ganga	1.1	1.5	1.6	2.1	2.4	2.2	2.3	1.5	1.2	0.9	1.0	1.1	18.9
Bhilangana III	11.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.6
Co-Gen: RBNS Sugar Mill	0.8	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	9.5	6.9	10.2	28.4
Co-Gen: Uttam Sugar Mills	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	6.1	4.3	6.8	23.1
Co-Gen:Lakshmi Sugar Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Solar: RV Akash Ganga	0.2	0.3	0.3	0.2	0.2	0.2	0.3	0.2	0.2	0.1	0.2	0.3	2.8
Solar: Metro Frozen	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
Solar: Jay Ace Technologies	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.3	2.6
<b>Sub-Total</b>	<b>37.0</b>	<b>39.7</b>	<b>57.3</b>	<b>65.6</b>	<b>60.8</b>	<b>62.3</b>	<b>51.0</b>	<b>31.8</b>	<b>24.2</b>	<b>27.6</b>	<b>28.9</b>	<b>38.3</b>	<b>524.5</b>
<b>New stations</b>													
<b>Total Power from Firm Sources</b>	<b>682.5</b>	<b>853.2</b>	<b>923.4</b>	<b>942.2</b>	<b>871.3</b>	<b>985.0</b>	<b>734.7</b>	<b>566.3</b>	<b>615.2</b>	<b>577.5</b>	<b>570.6</b>	<b>741.2</b>	<b>9063.2</b>
<b>Others</b>													
Power units received	0.0	0.0	0.0	0.0	0.2	21.0	0.0	18.0	0.0	19.4	16.8	18.1	<b>93.4</b>
UI overdrawl	156.3	79.6	36.5	71.6	24.6	22.6	68.1	36.3	40.9	29.6	8.1	0.9	<b>575.2</b>
Open Maket Purchase and Trading	53.1	50.9	21.4	8.3	40.4	-33.5	108.9	243.7	282.0	357.1	269.3	189.0	<b>1590.5</b>
<b>Sub-total</b>	<b>209.5</b>	<b>130.5</b>	<b>57.9</b>	<b>79.9</b>	<b>65.3</b>	<b>10.1</b>	<b>177.0</b>	<b>298.0</b>	<b>322.9</b>	<b>406.1</b>	<b>294.2</b>	<b>208.0</b>	<b>2259.2</b>
<b>Less</b>													
UI Underdrawl	0.0	0.0	0.0	0.0	0.0	4.1	0.0	0.0	0.0	0.0	4.9	13.0	<b>22.0</b>
Power units payable	39.5	0.0	0.0	54.2	36.6	47.3	5.9	0.3	0.0	0.0	0.0	0.2	<b>184.0</b>
<b>Sub-total</b>	<b>39.5</b>	<b>0.0</b>	<b>0.0</b>	<b>54.2</b>	<b>36.6</b>	<b>51.4</b>	<b>5.9</b>	<b>0.3</b>	<b>0.0</b>	<b>0.0</b>	<b>4.9</b>	<b>13.2</b>	<b>206.0</b>
<b>Sub-Total (NET)</b>	<b>169.9</b>	<b>130.5</b>	<b>57.9</b>	<b>25.7</b>	<b>28.6</b>	<b>-41.4</b>	<b>171.1</b>	<b>297.7</b>	<b>322.9</b>	<b>406.1</b>	<b>289.4</b>	<b>194.8</b>	<b>2053.2</b>
<b>Grand-Total</b>	<b>852.4</b>	<b>983.7</b>	<b>981.3</b>	<b>967.9</b>	<b>900.0</b>	<b>943.6</b>	<b>905.8</b>	<b>864.0</b>	<b>938.1</b>	<b>983.6</b>	<b>860.0</b>	<b>936.0</b>	<b>11116.4</b>



FY 2013-14													
Details of the stations	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Total
<b>NTPC</b>													
Singrauli Super Thermal Power	71.0	68.2	73.6	76.2	79.2	74.4	79.9	75.7	75.2	74.8	68.6	59.7	876.6
Feroze Gandhi Unchahar-I	22.9	25.8	24.0	24.8	20.7	25.7	12.8	24.7	24.8	26.2	24.1	25.5	282.0
Feroze Gandhi Unchahar-II	11.2	12.3	6.8	13.6	12.0	15.0	12.2	11.7	14.2	12.6	12.2	13.6	147.4
Feroze Gandhi Unchahar-III	2.1	9.8	9.4	10.1	9.6	11.0	9.5	9.5	10.1	10.2	9.5	9.6	110.5
National Capital Thermal II: Dadri	2.6	2.7	3.1	2.5	1.4	1.7	1.9	4.7	5.0	5.3	4.2	5.4	40.5
Rihand-1 STPS	33.4	29.6	22.1	26.8	32.5	33.9	26.4	25.4	28.4	30.6	29.8	32.2	351.1
Rihand-2 STPS	30.3	27.0	24.9	28.1	18.0	17.2	19.7	23.5	28.0	28.4	27.6	29.9	302.6
Rihand-3 STPS	11.5	12.7	12.2	14.5	13.4	16.4	13.1	12.7	15.7	7.8	12.6	18.0	160.7
Kahalgaon-II	6.8	13.2	18.6	19.5	17.5	14.2	18.1	18.7	19.1	19.6	16.4	19.6	201.3
Jhajjar Aravali	3.2	3.1	2.0	2.4	1.6	3.2	2.8	2.4	1.6	1.5	1.1	13.1	38.2
Koldam	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Anta Gas Power Station	8.2	8.2	4.7	11.4	14.1	3.9	8.5	13.2	14.2	12.7	12.1	9.6	120.6
Auraiya Gas Power Station	6.4	7.1	6.1	9.4	9.2	5.1	5.7	8.2	7.4	8.2	8.3	7.6	88.6
Dadri Gas Power Station	9.1	9.7	8.5	12.8	10.3	12.0	14.8	16.7	14.3	12.6	17.5	14.2	152.5
<b>Sub-Total</b>	<b>218.6</b>	<b>229.4</b>	<b>216.1</b>	<b>252.2</b>	<b>239.4</b>	<b>233.7</b>	<b>225.4</b>	<b>247.2</b>	<b>257.9</b>	<b>250.5</b>	<b>244.0</b>	<b>258.2</b>	<b>2872.6</b>
<b>NHPC</b>													
Salal	2.7	4.8	5.4	5.6	5.7	4.6	2.7	1.3	1.1	1.1	1.2	2.9	39.2
Tanakpur	0.6	1.0	1.4	1.7	2.3	1.9	2.0	1.0	0.5	0.1	0.0	-0.3	12.3
Free Power-Tanakpur	1.7	3.1	4.0	5.0	7.2	6.1	6.3	3.3	1.7	0.4	0.0	-0.8	37.9
Chamera I	5.6	10.0	6.4	13.0	13.8	7.2	4.0	2.3	1.8	1.8	2.7	6.4	75.1
Chamera II	1.2	2.2	3.3	4.0	4.6	3.1	1.9	0.9	0.7	0.7	0.7	1.4	24.7
Chamera III	1.9	6.9	8.7	9.4	9.6	5.8	3.3	1.6	1.2	0.7	0.7	2.1	51.8
Uri	12.0	12.4	11.8	9.8	6.9	7.8	4.1	3.2	2.5	2.7	4.5	9.8	87.5
Dhauliganga	2.6	6.6	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.3	14.1
Free Power-Dhauliganga	6.2	15.1	12.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.5
Dulhasti	7.4	13.7	13.6	15.6	14.6	15.9	13.6	6.2	4.9	4.5	4.0	5.1	119.0
Sewa II	3.3	3.3	2.3	1.9	5.3	1.8	1.1	0.6	0.3	1.2	2.4	4.3	27.9
Uri II	0.0	0.0	0.0	0.0	0.0	0.0	1.8	2.1	1.9	2.1	3.0	6.6	17.6
Parbati Stage III	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
<b>Sub-Total</b>	<b>45.2</b>	<b>79.0</b>	<b>74.4</b>	<b>66.1</b>	<b>70.1</b>	<b>54.1</b>	<b>40.7</b>	<b>22.6</b>	<b>16.7</b>	<b>15.2</b>	<b>19.2</b>	<b>37.5</b>	<b>540.7</b>
<b>UJVN</b>													
Large Hydro	230.6	302.4	265.8	252.2	387.2	343.8	286.7	180.2	215.4	154.9	139.4	197.0	2955.5
Maneri Bali-II	78.2	108.9	66.7	78.3	124.0	125.1	68.5	43.7	49.5	36.0	35.3	12.0	826.1
Small Hydro	7.6	4.5	3.3	3.1	5.0	4.5	1.9	5.1	11.0	9.9	9.0	18.6	83.4
<b>Sub-Total</b>	<b>316.4</b>	<b>415.8</b>	<b>335.7</b>	<b>333.6</b>	<b>516.1</b>	<b>473.4</b>	<b>357.1</b>	<b>228.9</b>	<b>275.9</b>	<b>200.8</b>	<b>183.6</b>	<b>227.6</b>	<b>3865.0</b>
<b>SJVNL</b>													
Nathpa Jhakri	2.9	6.0	7.5	11.4	14.0	10.4	6.1	3.3	2.6	2.3	2.0	2.4	71.0
Rampur													
Rampur Free Power													
<b>Sub-Total</b>	<b>2.9</b>	<b>6.0</b>	<b>7.5</b>	<b>11.4</b>	<b>14.0</b>	<b>10.4</b>	<b>6.1</b>	<b>3.3</b>	<b>2.6</b>	<b>2.3</b>	<b>2.0</b>	<b>2.4</b>	<b>71.0</b>
<b>THDC</b>													
Tehri HEP I	6.4	8.4	14.8	23.7	30.3	13.9	9.5	6.9	8.4	9.5	7.6	8.7	148.0
Free Power-Tehri HEP	22.7	29.4	50.6	78.7	93.6	45.3	30.5	23.7	27.8	30.7	24.4	27.8	485.1

FY 2013-14													
Details of the stations	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Total
I													
Koteshwar	3.1	3.9	8.0	10.2	11.8	5.4	3.6	2.7	3.3	3.7	3.3	3.9	62.8
Free Power-Koteshwer	10.0	12.3	23.0	29.2	31.7	15.2	10.1	8.1	9.6	10.8	9.5	11.3	180.8
<b>Sub-Total</b>	<b>42.2</b>	<b>53.9</b>	<b>96.4</b>	<b>141.8</b>	<b>167.3</b>	<b>79.9</b>	<b>53.6</b>	<b>41.3</b>	<b>49.0</b>	<b>54.6</b>	<b>44.7</b>	<b>51.7</b>	<b>876.7</b>
<b>NPCIL</b>													
Narora APP	7.0	10.2	10.2	6.9	9.5	11.5	10.8	11.9	12.5	12.2	10.4	9.5	122.7
Rajasthan APP	15.2	14.7	15.7	10.3	15.5	17.9	17.1	15.4	15.9	15.9	14.4	19.2	187.3
<b>Sub-Total</b>	<b>22.2</b>	<b>24.9</b>	<b>25.9</b>	<b>17.2</b>	<b>25.0</b>	<b>29.4</b>	<b>27.8</b>	<b>27.3</b>	<b>28.5</b>	<b>28.2</b>	<b>24.8</b>	<b>28.7</b>	<b>310.0</b>
<b>UREDA</b>													
Bhikuriya Gardh	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
Ramgarh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.3
Barar+Garaun	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.2	0.1	0.1	0.1	1.1
Taleshwar	0.1	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.2	0.2	1.4
Chharandev	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.1	0.1	0.1	0.1	0.7
Harsil	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.6
Tharali	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.4
Badrinath	0.0	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	1.0
<b>Sub-Total</b>	<b>0.4</b>	<b>0.3</b>	<b>0.2</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.9</b>	<b>1.3</b>	<b>0.7</b>	<b>0.5</b>	<b>0.4</b>	<b>0.4</b>	<b>5.7</b>
<b>IPPs</b>													
Rajwakti Him Urja SHP	1.5	1.9	0.8	0.4	0.0	0.0	1.0	1.1	1.7	1.3	1.2	1.3	12.0
Hanuman Ganga SHP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Free Power-Vishnuprayag	8.7	21.5	18.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.7
Debal	1.2	1.2	0.7	0.0	0.0	0.0	0.0	0.0	1.0	0.9	0.7	0.8	6.4
LoharKhet	1.2	1.0	1.7	2.1	2.5	3.0	3.0	2.0	1.3	1.0	0.8	1.3	20.9
Gunsola Hydro Agunda Thati	1.1	1.0	0.6	1.5	1.8	2.0	2.0	1.3	0.9	0.6	0.5	1.0	14.3
Bhilangana(Swasti)	5.4	8.6	6.8	4.3	10.2	15.7	12.2	5.2	2.5	2.2	1.8	3.4	78.2
Vanala	3.3	3.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	9.9
Motighat	1.3	1.6	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6
Rishiganga	0.0	0.8	1.8	2.1	1.1	2.1	3.7	1.5	0.7	0.4	0.0	0.0	14.4
Birahi Ganga	0.9	1.7	1.5	3.1	4.3	4.4	3.7	1.8	1.3	0.9	0.6	0.9	25.4
Bhilangana III	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Co-Gen: RBNS Sugar Mill	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	9.1	8.3	9.1	38.5
Co-Gen: Uttam Sugar Mills	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	4.8	3.8	3.2	18.1
Co-Gen:Lakshmi Sugar Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.4	7.5	8.1	7.9	32.0
Solar: RV Akash Ganga	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.3	2.7
Solar: Metro Frozen	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.1
Solar: Jay Ace Technologies	0.3	0.3	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.1	0.2	0.3	2.5
Sasan	0.2	0.0	0.0	0.0	1.5	4.1	1.7	6.1	10.7	9.2	13.6	17.1	64.0
<b>Sub-Total</b>	<b>36.3</b>	<b>43.4</b>	<b>34.8</b>	<b>14.0</b>	<b>21.9</b>	<b>31.9</b>	<b>27.7</b>	<b>19.5</b>	<b>36.6</b>	<b>38.2</b>	<b>39.8</b>	<b>48.7</b>	<b>392.7</b>
<b>Total Power from Firm Sources</b>	<b>684.3</b>	<b>852.8</b>	<b>791.1</b>	<b>836.4</b>	<b>1054.0</b>	<b>913.1</b>	<b>739.4</b>	<b>591.5</b>	<b>667.8</b>	<b>590.3</b>	<b>558.5</b>	<b>655.3</b>	<b>8934.4</b>
<b>Others</b>													
Power units received	70.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	<b>70.8</b>
UI overdrawl	16.3	16.2	27.7	11.9	0.5	44.0	30.6	33.9	25.0	57.8	41.3	21.5	<b>326.8</b>
Open Maket Purchase and Trading	183.4	205.9	121.5	164.4	-26.9	37.6	172.5	249.2	261.8	386.9	318.5	291.5	<b>2366.2</b>
<b>Sub-total</b>	<b>270.</b>	<b>222.</b>	<b>149.</b>	<b>176.</b>	<b>-26.5</b>	<b>81.6</b>	<b>203.</b>	<b>283.</b>	<b>286.</b>	<b>444.</b>	<b>359.</b>	<b>313.</b>	<b>2763.8</b>

FY 2013-14													
Details of the stations	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Total
	5	1	2	3			1	1	8	7	8	0	
<b>Less</b>													
UI Underdrawl	0.6	2.5	7.5	3.2	22.6	0.3	7.2	1.4	0.0	0.0	0.0	0.0	45.2
Power units payable	0.0	0.0	0.0	20.2	31.9	40.7	0.0	0.0	0.0	0.0	0.0	0.0	92.7
<b>Sub-total</b>	<b>0.6</b>	<b>2.5</b>	<b>7.5</b>	<b>23.3</b>	<b>54.5</b>	<b>41.0</b>	<b>7.2</b>	<b>1.4</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>137.9</b>
<b>Sub-Total (NET)</b>	<b>269.9</b>	<b>219.6</b>	<b>141.8</b>	<b>152.9</b>	<b>-81.0</b>	<b>40.6</b>	<b>195.8</b>	<b>281.8</b>	<b>286.8</b>	<b>444.7</b>	<b>359.8</b>	<b>313.0</b>	<b>2625.8</b>
<b>Grand-Total</b>	<b>954.2</b>	<b>1072.4</b>	<b>932.8</b>	<b>989.4</b>	<b>973.0</b>	<b>953.7</b>	<b>935.2</b>	<b>873.2</b>	<b>954.7</b>	<b>1035.0</b>	<b>918.3</b>	<b>968.3</b>	<b>11560.3</b>

FY 2014-15													
Details of the stations	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Total
<b>NTPC</b>													
Singrauli Super Thermal Power	71.1	68.1	61.7	63.6	54.5	51.8	53.0	57.6	52.0	60.0	63.6	65.2	722.3
Feroze Gandhi Unchahar-I	27.2	22.5	24.7	23.2	18.1	10.3	18.6	23.4	23.8	25.2	22.6	27.8	267.5
Feroze Gandhi Unchahar-II	12.8	9.4	13.4	12.8	9.7	11.3	12.3	8.5	10.4	11.1	9.9	8.4	129.9
Feroze Gandhi Unchahar-III	9.8	8.8	9.4	9.2	8.4	8.5	9.6	8.8	8.3	9.2	7.9	8.5	106.3
National Capital Thermal II: Dadri	3.1	4.2	2.8	2.3	1.7	2.1	2.5	2.8	2.6	2.6	2.2	1.5	30.5
Rihand-1 STPS	30.3	26.7	26.1	25.7	16.1	12.8	25.2	26.3	26.1	25.7	26.9	29.8	297.7
Rihand-2 STPS	27.2	24.2	17.4	21.8	22.4	24.6	19.1	24.5	25.9	27.2	23.2	21.2	278.7
Rihand-3 STPS	25.9	23.3	26.6	21.4	14.4	22.9	28.4	18.9	24.1	29.6	25.9	26.1	287.5
Kahalgaoon-II	17.9	18.1	15.4	11.4	12.0	12.4	18.6	18.5	19.4	18.8	17.5	19.7	199.7
Jhajjar Aravali	0.5	1.3	0.7	0.2	0.1	0.3	0.2	0.7	0.8	0.8	0.3	0.1	5.9
<b>Koldam</b>													
Anta Gas Power Station	9.2	1.6	7.7	5.0	6.4	5.5	4.2	10.0	8.9	9.6	7.6	4.2	79.8
Auraiya Gas Power Station	6.0	4.1	5.2	3.7	4.9	5.3	5.4	8.2	9.1	6.5	7.6	9.3	75.4
Dadri Gas Power Station	10.6	6.4	6.7	5.4	6.0	6.8	6.0	10.1	10.8	11.2	9.9	13.9	103.8
<b>Sub-Total</b>	<b>251.4</b>	<b>218.5</b>	<b>217.9</b>	<b>205.8</b>	<b>174.7</b>	<b>174.6</b>	<b>203.2</b>	<b>218.3</b>	<b>222.2</b>	<b>237.5</b>	<b>225.2</b>	<b>235.7</b>	<b>2584.8</b>
<b>NHPC</b>													
Salal	3.8	5.7	5.5	5.7	5.8	4.0	2.6	1.4	1.0	0.8	1.3	3.5	41.1
Tanakpur	0.2	0.6	1.1	1.3	0.9	1.9	1.6	0.9	0.6	0.6	0.4	0.7	10.8
Free Power-Tanakpur	0.7	2.1	3.9	4.2	5.4	6.0	5.4	3.0	2.5	2.3	1.5	2.9	40.1
Chamera I	8.1	12.8	13.4	14.0	11.0	8.3	3.1	1.9	1.8	1.8	3.9	8.5	88.8
Chamera II	2.2	4.1	2.3	2.3	2.2	1.7	0.8	0.5	0.5	0.4	0.6	1.3	19.0
Chamera III	3.8	7.9	8.2	8.2	7.6	5.7	2.5	1.3	1.1	0.8	1.3	3.0	51.4
Uri	11.8	12.3	11.9	12.2	9.8	9.1	9.4	5.3	3.3	2.5	5.2	11.8	104.8
Dhauliganga	0.0	4.6	4.2	2.9	6.5	6.5	3.3	1.8	1.5	1.3	1.1	1.8	35.3
Free Power-Dhauliganga	0.0	9.3	10.9	6.8	15.6	16.0	8.5	5.0	3.8	3.6	3.0	5.1	87.7
Dulhasti	7.7	16.6	12.3	11.0	13.9	13.6	10.4	5.8	4.6	4.0	3.8	5.5	109.

FY 2014-15													
Details of the stations	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Total
													2
Sewa II	5.1	5.3	3.6	2.2	1.7	2.7	0.8	0.5	0.5	0.5	2.3	4.6	29.7
Uri II	8.1	10.6	9.6	9.3	8.4	6.7	6.5	2.8	0.0	0.0	0.0	0.0	62.2
Parbati Stage III	1.7	3.7	6.0	8.5	6.5	3.0	1.4	0.5	0.0	0.0	0.6	1.2	33.2
<b>Sub-Total</b>	<b>53.3</b>	<b>95.6</b>	<b>93.1</b>	<b>88.7</b>	<b>95.4</b>	<b>85.3</b>	<b>56.4</b>	<b>30.9</b>	<b>21.2</b>	<b>18.6</b>	<b>24.9</b>	<b>49.9</b>	<b>713.4</b>
<b>UJVN</b>													
Large Hydro	210.5	334.4	326.3	338.1	263.5	288.3	190.7	139.2	122.2	169.0	182.0	231.3	2795.5
Maneri Bali-II	0.0	0.0	86.0	169.1	168.5	189.8	106.3	60.4	45.2	36.1	21.7	0.0	883.2
Small Hydro	11.1	14.8	14.0	14.0	13.1	12.5	1.6	14.5	14.7	14.9	13.9	11.3	150.3
<b>Sub-Total</b>	<b>221.6</b>	<b>349.2</b>	<b>426.4</b>	<b>521.2</b>	<b>445.1</b>	<b>490.7</b>	<b>298.6</b>	<b>214.1</b>	<b>182.0</b>	<b>220.0</b>	<b>217.6</b>	<b>242.6</b>	<b>3829.0</b>
<b>SJVNL</b>													0.7
Nathpa Jhakri	3.4	8.2	6.3	7.0	6.7	4.6	2.5	1.6	1.5	1.3	1.1	1.6	45.9
Rampur	0.0	8.4	17.6	21.7	25.1	19.2	12.0	7.9	6.1	5.7	5.1	7.1	135.7
Rampur free power													
<b>Sub-Total</b>	<b>3.4</b>	<b>16.6</b>	<b>23.9</b>	<b>28.6</b>	<b>31.8</b>	<b>23.8</b>	<b>14.5</b>	<b>9.5</b>	<b>7.6</b>	<b>6.9</b>	<b>6.2</b>	<b>8.7</b>	<b>181.6</b>
<b>THDC</b>													
Tehri HEP I	8.6	8.0	6.1	9.1	19.4	5.1	5.6	6.5	7.2	8.5	7.4	6.7	98.1
Free Power-Tehri HEP I	28.2	25.8	23.2	34.5	73.0	19.1	21.4	24.1	26.7	30.9	27.0	24.7	358.5
Koteshwar	4.3	4.6	3.8	4.6	8.2	2.0	2.0	2.4	3.3	5.7	5.5	5.4	51.8
Free Power-Koteshwar	12.7	13.4	12.5	15.2	26.6	6.7	6.9	8.0	9.3	11.2	10.6	10.4	143.5
<b>Sub-Total</b>	<b>53.8</b>	<b>51.8</b>	<b>45.6</b>	<b>63.5</b>	<b>127.2</b>	<b>32.9</b>	<b>35.9</b>	<b>40.9</b>	<b>46.5</b>	<b>56.3</b>	<b>50.5</b>	<b>47.1</b>	<b>652.0</b>
<b>NPCIL</b>													
Narora APP	10.0	5.8	8.2	9.1	9.1	8.9	9.4	9.5	10.5	13.1	12.2	13.6	119.5
Rajasthan APP	18.1	12.8	8.0	11.6	12.6	6.0	5.0	11.8	6.6	5.8	8.5	14.9	121.7
<b>Sub-Total</b>	<b>28.1</b>	<b>18.5</b>	<b>16.2</b>	<b>20.7</b>	<b>21.7</b>	<b>14.9</b>	<b>14.4</b>	<b>21.3</b>	<b>17.2</b>	<b>18.9</b>	<b>20.7</b>	<b>28.5</b>	<b>241.1</b>
<b>UREDA</b>													
Bhikuriya Gardh													
Ramgarh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Barar+Garaun	0.0	0.0	0.0	0.2	0.4	0.4	0.2	0.1	0.0	0.1	0.0	0.0	1.4
Taleshwar	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.2	0.1	0.2	2.0
Chharandev	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.0
Harsil	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.5
Tharali	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.5
Badrinath	0.0	0.2	0.3	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.0	1.6
<b>Sub-Total</b>	<b>0.3</b>	<b>0.4</b>	<b>0.5</b>	<b>0.7</b>	<b>1.1</b>	<b>1.1</b>	<b>0.8</b>	<b>0.6</b>	<b>0.6</b>	<b>0.5</b>	<b>0.4</b>	<b>0.3</b>	<b>7.2</b>
<b>IPPs</b>													
Rajwakti Him Urja SHP	1.2	1.8	1.6	1.2	1.1	2.2	2.4	2.1	1.3	1.3	1.0	1.5	18.7
Hanuman Ganga SHP	0.5	0.9	1.1	0.3	0.1	0.4	0.4	0.8	0.6	0.5	0.5	0.8	7.0
Free Power-Vishnuprayag	4.1	17.1	31.8	26.1	35.1	34.8	19.7	9.2	7.5	6.0	5.4	6.6	203.3
Debal	0.9	1.0	0.9	1.9	2.8	2.9	1.9	0.9	0.8	0.9	0.6	1.5	16.9
LoharKhet	1.3	1.3	0.6	2.2	2.8	2.9	2.5	1.7	1.1	1.1	0.9	1.8	20.3
Gunsola Hydro Agunda	1.2	1.5	1.1	1.6	2.0	1.9	1.9	1.1	0.8	0.7	0.7	1.4	15.8

<b>FY 2014-15</b>													
<b>Details of the stations</b>	<b>Apr-14</b>	<b>May-14</b>	<b>Jun-14</b>	<b>Jul-14</b>	<b>Aug-14</b>	<b>Sep-14</b>	<b>Oct-14</b>	<b>Nov-14</b>	<b>Dec-14</b>	<b>Jan-15</b>	<b>Feb-15</b>	<b>Mar-15</b>	<b>Total</b>
Thati													
Bhilangana(Swasti)	4.9	8.5	12.3	14.6	14.3	15.1	8.0	4.0	2.9	2.4	0.8	1.4	89.2
Vanala	3.6	4.2	3.3	3.0	4.9	4.8	6.5	4.7	3.0	2.0	2.0	3.6	45.6
Motighat	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.1	0.9	0.9	1.2	5.1
Rishiganga	0.0	0.0	0.0	0.0	1.2	1.1	1.0	1.2	0.6	0.4	0.4	0.0	5.9
Birahi Ganga	1.3	1.8	1.7	3.7	4.4	3.9	2.6	1.6	1.1	0.8	0.7	1.1	24.7
Bhilangana III													0.0
Co-Gen: RBNS Sugar Mill	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6	8.6	8.2	7.9	33.6
Co-Gen: Uttam Sugar Mills	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	2.6	2.9	3.1	13.7
Co-Gen:Lakshmi Sugar Mills	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.4	8.1	6.5	8.7	39.2
Solar: RV Akash Ganga	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.3	2.7
Solar: Metro Frozen	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
Solar: Jay Ace Technologies	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	2.6
Sasan	23.1	22.2	30.2	35.7	35.6	32.1	25.9	35.7	36.8	25.0	38.4	34.3	375.1
Uttar Bharat (Sarju)-III	0.0	0.0	0.0	0.2	0.0	0.0	1.7	1.8	1.0	1.0	0.7	1.5	7.8
Gangani	2.5	2.1	3.5	3.6	4.4	4.9	3.7	2.4	2.1	1.8	1.9	3.7	36.6
Badiyar	0.0	0.0	0.0	0.0	0.0	1.0	1.9	1.5	1.2	1.1	1.2	1.9	9.9
<b>Sub-Total</b>	<b>53.6</b>	<b>63.2</b>	<b>88.8</b>	<b>94.6</b>	<b>109.3</b>	<b>108.5</b>	<b>80.5</b>	<b>70.4</b>	<b>84.0</b>	<b>65.7</b>	<b>73.9</b>	<b>82.5</b>	<b>974.9</b>
<b>Total Power from Firm Sources</b>	<b>665.4</b>	<b>813.7</b>	<b>912.5</b>	<b>1023.8</b>	<b>1006.3</b>	<b>931.8</b>	<b>704.3</b>	<b>605.9</b>	<b>581.2</b>	<b>624.3</b>	<b>619.4</b>	<b>695.3</b>	<b>9184.1</b>
<b>Others</b>													
Power units received	0.0	0.0	0.0	0.0	0.0	0.0	84.3	144.0	148.8	148.8	134.4	148.8	809.1
UI overdrawl	19.5	5.1	12.0	17.9	19.0	16.5	39.6	31.7	16.0	39.2	28.2	30.5	275.1
Open Maket Purchase and Trading	263.8	253.3	183.2	46.0	89.2	117.2	98.3	183.7	283.2	293.0	167.6	126.1	2104.7
<b>Sub-total</b>	<b>283.3</b>	<b>258.4</b>	<b>195.2</b>	<b>64.0</b>	<b>108.3</b>	<b>133.7</b>	<b>222.3</b>	<b>359.4</b>	<b>447.9</b>	<b>481.0</b>	<b>330.2</b>	<b>305.4</b>	<b>3188.9</b>
<b>Less</b>													
UI Underdrawl	0.0	1.9	1.9	0.5	1.1	2.8	0.0	0.0	0.2	0.0	0.0	1.6	9.9
Power units payable	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Sub-total</b>	<b>0.0</b>	<b>1.9</b>	<b>1.9</b>	<b>0.5</b>	<b>1.1</b>	<b>2.8</b>	<b>0.0</b>	<b>0.0</b>	<b>0.2</b>	<b>0.0</b>	<b>0.0</b>	<b>1.6</b>	<b>9.9</b>
<b>Sub-Total (NET)</b>	<b>283.3</b>	<b>256.5</b>	<b>193.3</b>	<b>63.4</b>	<b>107.1</b>	<b>130.9</b>	<b>222.3</b>	<b>359.4</b>	<b>447.8</b>	<b>481.0</b>	<b>330.2</b>	<b>303.9</b>	<b>3179.0</b>
<b>Grand-Total</b>	<b>948.8</b>	<b>1070.2</b>	<b>1105.7</b>	<b>1087.2</b>	<b>1113.4</b>	<b>1062.7</b>	<b>926.6</b>	<b>965.3</b>	<b>1029.0</b>	<b>1105.3</b>	<b>949.6</b>	<b>999.2</b>	<b>12363.1</b>

**6. UPCL should submit data on actual inter-State Transmission Loss for the past 52 weeks (1 year), based on bills received from CGS sources**

**Reply:**

The desired information is enclosed at **Annexure – A.**

**7. As regards projected Power purchase expenses, UPCL should submit the basis for the following assumptions:**

- a) *Escalating the fixed cost of power purchase from NHPC at 5% p.a*
- b) *Escalating the fixed cost of power purchase from NTPC Koldam at 5% p.a*
- c) *Escalating the cost of power purchase from NPCIL at 5% p.a*
- d) *Escalating the fixed cost of power purchase from THDC at 5% p.a*
- e) *Escalating the fixed and variable cost of power purchase from NTPC's thermal stations at 5% p.a.*
- f) *Rate for new large hydro plants developed by Central Sector as Rs. 5 per kWh.*

**Reply:**

The Petitioner would like to submit that while taking assumptions for projecting the Annual Revenue Requirement for each year of the control period, the Petitioner has tried to be as astute and realistic as possible. It is further submitted that in absence of the relevant tariff orders for CGS stations for the period FY 17-19, the Petitioner, while projecting the fixed and variable cost of a power plant has considered y-o-y escalation based on the industry trends observed in the past few years and in line with the methodology followed by the Petitioner in its previous petitions. The Petitioner humbly requests the Hon'ble Commission that the same may be considered.

**8. As regards projected Transmission Charges:**

- a) *UPCL should submit the basis for considering per MU rate, rather than fixed charges, for projecting the Inter-State Transmission Charges*
- b) *Annual escalation rate of 4% on the per MU rate for projecting the Inter-State Transmission Charges.*

**Reply:**

The Petitioner would like to submit that the capacity of a transmission network is directly dependent on the quantum of power transmitted through it. Thus, the Petitioner while projecting the interstate transmission charges has derived the per unit actual transmission rate incurred and escalated it accordingly to arrive upon the interstate annual charges for each year.

Further, as regards to the basis of assumption of the annual escalation rate, it as per the industry trends observed in the past years, the Commission is requested to consider the same.

**9. UPCL should submit the preparedness to execute the Capital works proposed and Plan for monitoring the progress of execution of Capex Schemes during MYT Control Period from FY 2016-17 to FY 2018-19 in terms of the following:**

- a) *Status of Commission's approval for the proposed schemes.*
- b) *Orders placed.*
- c) *Funds tie-up.*

**Reply:**

The Petitioner would like to submit that schemes like RAPDRP Part A and Part B have already been approved by the Hon'ble Commission. Further, the capital works under schemes like IPDS and DDUGY amounting to Rs. 190.68 Cr. and Rs.842 Cr have been approved by the Central govt. as considered in the Business Pan for approval of the Commission.

For the remaining capex works proposed, the petitioner would like to submit that the Petitioner will execute the capex after relevant approval from the Hon'ble Commission, thus in regard to this the Business plan has been submitted before the Hon'ble Commission. Once the Commission approve the capex then accordingly the petitioner would arrange the funds and subsequently place the required orders.

**10. In case of any revision in the opening GFA values for the Control Period, while addressing the earlier queries, UPCL should submit the revised calculation of RoE, interest, depreciation, and R&M expenses for the Control Period.**

**Reply:**

The Petitioner would like to submit that there is no revision in the opening GFA values as against that submitted in the Petition.

**11. UPCL should submit justification for the O&M expenses projected for FY 2015-16, with respect to:**

- a) *O&M expenses approved by the Commission for FY 2015-16.*
- b) *Steep increase over the approved as well as the actual O&M expenses for FY 2014-15.*

**Reply:**

The petitioner would like to submit that the O&M Expenses projected by the Petitioner for FY 2015-16 are as per the methodology prescribed by the Hon'ble Commission in the Tariff Regulations 2015.

The Petitioner while projecting the Employee Expenses and A&G Expenses for FY 2015-16 has considered FY 2014-15 as the base year and escalated the Gross Employee Expenses incurred in the base year after considering relevant macroeconomic indicators (CPI Inflation: Average of last 3 years) and growth factors in line with the methodology prescribed by the Commission in the Tariff Regulations 2015. Further as regards to the R&M expenses, the Petitioner has considered the same figures as approved by the Hon'ble Commission in its Tariff Order for FY 2015-16.

It is further submitted that since FY 2015-16 is falling between the base year and the control period, the O&M Expenses for FY 2015-16 had to be used for projecting the same for each year of the control period.

It is requested that since the ARR for FY 2015-16 has already been approved by the Commission in its tariff order the projection for the year may be ignored.

**12. UPCL should submit justification for projecting Provision for bad debts, when the present provisioning already exceeds 5% of the amount of receivables.**

**Reply:**

The Petitioner in line with the Regulation 31 of the Tariff Regulations 2015, has considered upto 1% of the estimated annual revenue of the Petitioner as Bad Debt to be incurred during each year.

**13. UPCL is required to submit accounting policy in respect of capitalisation of assets.**

**Reply:**

UPCL in-house prepared the capitalization process and capitalization policy of the Company. Board of Directors of the Company in the meeting held on 23-07-2015 approved the said policy with the condition that the said policy should be sent to an expert of the respective field and then again should be placed before the Board with the expert comments. We are in the process to seek the comments of the expert (consultant) on the policy. This work is expected to be completed by 31-03-2016. The final policy shall be provided to the Hon'ble Commission.

(Sumer Singh Yadav)  
Managing Director  
Uttarakhand Power Corporation Limited

**Verification**

I, Sumer Singh Yadav S/o Shri Ram Sukh Yadav, aged about 60 years, working as Managing Director – Uttarakhand Power Corporation Limited, VCV Gabar Singh Bhawan, Dehradun do hereby verify that the contents of Paras 1 to 13 are derived from official records, which are true to my personal knowledge and that I have not suppressed any material fact.

(Sumer Singh Yadav)  
Managing Director  
Uttarakhand Power Corporation Limited



		Dec-14			Jan-15			Feb-15			Mar-15		
		Gross Energy	%age Average Loss (Monthly)	Net power	Gross Energy	Loss Average Monthly	Net power	Gross Energy	Loss Average Monthly	Net power	Gross Energy	Loss Average Monthly	Net power
	Singrauli Super Thermal Power	51982152.5	5.089677419	49336428.62	59984602.5	6.207741935	56260913.18	63648325	5.111428571	60394986.33	65190477.5	4.547741935	62225782.82
	Feroze Gandhi Unchahar-I	23847005	4.789677419	22704810.39	25200410	5.905806452	23712122.56	22559822.5	4.811071429	21474453.33	27836440	4.247741935	26654019.86
	Feroze Gandhi Unchahar-II	10436597.5	4.789677419	9936718.146	11066777.5	5.905806452	10413195.04	9884615	4.811071429	9409059.112	8397587.5	4.247741935	8040879.654
	Feroze Gandhi Unchahar-III	8271702.5	4.789677419	7875514.633	9221982.5	5.905806452	8677350.063	7911700	4.811071429	7531062.462	8463800	4.247741935	8104279.618
	Dadri II:National Capital Thermal II	2565932.5	4.489677419	2450730.408	2615837.5	5.605806452	2469198.713	2227792.5	4.511071429	2127295.189	1538732.5	3.947741935	1477987.312
	Rihand-1 STPS	26110446.7	5.089677419	24781509.19	25736244.6	6.207741935	24138604.95	26915837.5	5.111428571	25540053.69	29793378.9	4.547741935	28438452.91
	Rihand-2 STPS	25879787.5	5.089677419	24562589.8	27159887.5	6.207741935	25473871.77	23236262.5	5.111428571	22048557.54	21210290	4.547741935	20245700.75
	Rihand-3 STPS	24095105	5.089677419	22868741.88	29555185	6.207741935	27720475.39	25853117.5	5.111428571	24531653.87	26118075	4.547741935	24930292.35
	Kahalgaon-II	19288838	3.839677419	18548208.84	18822725	4.507096774	17974366.57	17506828	3.842857143	16834065.61	19681145	3.526774194	18987035.46
	Jhajjar Aravali	830780	4.489677419	793480.6579	792767.5	5.605806452	748326.4883	293920	4.511071429	280661.0589	73407.5	3.947741935	70509.56134
	Koldam	0	4.489677419	0	0	5.605806452	0	0	4.511071429	0	0	3.947741935	0
	Anta Gas Power Station	8936430	4.789677419	8508403.83	9598795	5.644516129	9056989.468	7586287.5	4.511071429	7244064.652	4151312.5	3.947741935	3987429.396
	Auraiya Gas Power Station	9127370	4.789677419	8690198.42	6523250	5.905806452	6137999.481	7630752.5	4.811071429	7263631.547	9349720	4.247741935	8952568.023
	Dadri Gas Power Station	10776672.7	4.489677419	10292834.86	11227024.6	5.605806452	10597659.33	9919438.4	4.511071429	9471965.448	13929048.5	3.947741935	13379165.61
NTPC		222148819.9		211350169.7	237505489.2		223381073	225174698.9		214151509.8	235733414.9		225494103.3
				0			0			0			0
	Salal	1048162.5	4.489677419	1001103.385	815397.5	5.605806452	769687.8943	1268230	4.511071429	1211019.239	3521457.5	3.947741935	3382439.446
	Tanakpur	563804.7	4.489677419	538491.6877	569200.7	5.605806452	537292.4104	352100.3	4.511071429	336216.804	668297.3	3.947741935	641914.6472
	Chamera I	1835667.5	4.789677419	1747744.948	1805792.5	5.644516129	1703864.251	3903730	4.511071429	3727629.951	8476522.5	3.947741935	8141891.267
	Chamera II	455907.5	4.789677419	434071.0014	375397.5	5.644516129	354208.1276	602512.5	4.511071429	575332.7308	1338675	3.947741935	1285827.566
	Chamera III	1059167.5	4.489677419	1011614.296	823887.5	5.663870968	777223.5751	1300962.5	4.521785714	1242135.764	3019560	3.947741935	2900355.564
	Uri	3338257.5	4.489677419	3188380.507	2493847.5	5.605806452	2354047.236	5209457.5	4.511071429	4974455.151	11792645	3.947741935	11327101.81
	Dhauliganga	1408155.4	4.489677419	1344933.765	1198080	5.605806452	1130917.954	998878.4	4.511071429	953818.2819	1794371.5	3.947741935	1723534.344
	Dulhasti	4606100	4.489677419	4399300.968	3999855	5.605806452	3775630.87	3818600	4.511071429	3646340.226	5485010	3.947741935	5268475.96
	Sewa II	460525	4.489677419	439848.9131	526185	5.605806452	496688.0873	2271150	4.511071429	2168696.801	4600312.5	3.947741935	4418704.034
	Uri II	0	4.489677419	0	0	5.605806452	0	0	4.511071429	0	-0.017152	3.947741935	-0.016474883
	Parbati Stage III	0	4.489677419	0	0	5.605806452	0	591962.5	4.511071429	565258.6488	1191830	3.947741935	1144779.627
NHPC		14775747.6		14105489.47	12607643.2		11899560.41	20317583.7		19400903.6	41888681.28		40235024.25
				0			0			0			0
	Nathpa Jhakri	1472540	4.489677419	1406427.704	1273360	5.605806452	1201977.903	1132462.5	4.511071429	1081376.308	1617070	3.947741935	1553232.249
	Rampur Equity Power	6079300	4.489677419	5806359.041	5657960	5.605806452	5340785.713	5117165	4.511071429	4886326.032	7057400	3.947741935	6778792.061
SJVNL		7551840		7212786.745	6931320		6542763.616	6249627.5		5967702.339	8674470		8332024.31
				0			0			0			0
	Tehri HEP I	7001724.7	4.489677419	6687369.847	8424527.8	5.605806452	7952265.077	7357161.3	4.511071429	7025274.499	6672804.6	3.947741935	6409379.495
	Koteshwar	3231257.4	4.489677419	3086184.366	5703748.3	5.605806452	5384007.21	5474705.7	4.511071429	5227737.815	5346190.8	3.947741935	5135136.984
THDC		10232982.1		9773554.213	14128276.1		13336272.29	12831867		12253012.31	12018995.4		11544516.48
				0			0			0			0
	Narora APP	10532219.3	4.789677419	10027759.97	13092267.5	5.905806452	12319063.52	12171638.3	4.811071429	11586052.09	13540771.6	4.247741935	12965594.57
	Rajasthan APP	6291103.3	5.089677419	5970906.436	5704493.2	6.207741935	5350372.983	8496218.1	5.111428571	8061939.981	14051052.9	4.547741935	13412047.27
NPCIL		16823322.6		15998666.41	18796760.7		17669436.5	20667856.4		19647992.07	27591824.5		26377641.84
				0			0			0			0
<b>Total CSGS</b>		271532712.2		258440666.5	289969489.2	0	272829105.8	285241633.5	0	271421120.2	325907386.1	0	311983310.2

Apr-15			May-15			Jun-15			Jul-15			Aug-15		
Gross Energy	Loss Average Monthly	Net power	Gross Energy	Loss Average Monthly	Net power	Gross Energy	Loss Average Monthly	Net power	Gross Energy	Loss Average Monthly	Net power	Gross Energy	Loss Average Monthly	Net power
62434712.5	3.964666667	59959384.27	62532372.5	3.841290323	60130322.53	61487277.5	3.506666667	59331123.64	66157580	4.298709677	63313657.71	62303235	4.940645161	59225053.23
27756170	3.664666667	2673898.89	22692947.5	3.541290323	21889324.35	21165912.5	3.206666667	20487192.24	21929115	3.727741935	21111654.18	21976530	3.940645161	21110512.93
13681065	3.664666667	13179699.57	11838767.5	3.541290323	11419522.37	10589845	3.206666667	10250263.97	8715385	3.727741935	8390497.939	11888282.5	3.940645161	11419807.47
941885	3.664666667	907368.0544	6140137.5	3.541290323	5922697.405	7336412.5	3.206666667	7101158.206	8982542.5	3.727741935	8647696.496	7975447.5	3.940645161	7661163.414
2181610	3.664666667	2108206.096	2248450	3.241290323	2175571.208	1931452.5	2.906666667	1875311.614	2297197.5	3.156774194	2224680.162	3195282.5	2.940645161	3101320.58
26477866.1	3.964666667	25428106.97	18869168.1	3.841290323	18144348.57	14345531.4	3.506666667	13842481.43	26059335.5	4.298709677	24939120.32	26191449.2	4.940645161	24897422.63
16479650	3.964666667	15826286.81	25165595	3.841290323	24198911.43	24055377.5	3.506666667	23211835.6	20902097.5	4.298709677	20003577.01	22413715	4.940645161	21306332.87
29542027.5	3.964666667	28370784.58	26173317.5	3.841290323	25167924.39	23859482.5	3.506666667	23022809.98	16767745	4.298709677	16046948.32	12737247.5	4.940645161	12107945.3
18981658	3.082666667	18396516.76	18740470	2.911612903	18194820.06	18662010	2.708333333	18156580.56	19180437	3.238709677	18559238.33	13094714	3.510645161	12635005.06
301850	3.364666667	291693.7537	617975	3.241290323	597944.6361	989330	2.906666667	960573.4747	659055	3.156774194	638250.1218	1148890	2.940645161	1115105.222
0	3.364666667	0	0	3.241290323	0	0	2.906666667	0	18320960	3.447096774	17689418.78	40026382.5	3.690645161	38549150.75
2542400	3.364666667	2456856.715	6328830	3.241290323	6123694.246	7359517.5	2.906666667	7145600.858	604545	3.737419355	581950.6182	1827360	4.440645161	1746213.427
8573452.5	3.664666667	8259264.044	6354765	3.541290323	6129724.322	7275425	3.206666667	7042126.372	2554832.5	3.66	2461325.631	6846560	3.940645161	6576761.365
12822715.3	3.364666667	12391273.67	12357932	3.241290323	11957375.55	8705228.1	2.906666667	8452196.137	7069274.6	3.156774194	6846113.564	8214874.8	2.940645161	7973304.482
222717061.9		214314440.2	220060727.6		212052181.1	207762802		200879254.1	220200102.1		211454129.2	239839970.5		229425098.7
		0			0			0			0			0
5000175	3.364666667	4831935.779	5728497.5	3.364666667	5535752.654	5460045	2.906666667	5301339.692	5382010	2.906666667	5225572.909	5584940	3.440645161	5392782.032
757059.7	3.364666667	731587.1646	819182.1	3.241290323	792630.0299	794537.7	2.906666667	771443.1375	1541817.2	3.447096774	1488669.269	1714840.6	3.690645161	1651551.918
12234107.5	3.364666667	11822470.56	13644892.5	3.241290323	13202621.92	12833135	2.906666667	12460118.54	14068080	3.253548387	13610368.21	13926445	3.190645161	13482101.56
2186465	3.364666667	2112897.741	2739710	3.241290323	2650908.045	1975375	2.906666667	1917957.433	1910712.5	3.253548387	1848546.544	2011590	3.190645161	1947407.301
6124482.5	3.364666667	5918414.079	8681885	3.241290323	8400479.902	7794785	2.906666667	7568216.583	8060132.5	3.447096774	7782291.933	6413497.5	3.690645161	6176798.065
11763937.5	3.364666667	11368120.22	12283095	3.241290323	11884964.23	11789407.5	2.906666667	11446728.72	12172062.5	3.156774194	11787817.97	10908622.5	2.940645161	10587838.62
2928841.8	3.364666667	2830296.036	5877360.6	3.241290323	5686858.28	6723605.8	2.906666667	6528172.991	9430626.2	3.447096774	9105543.388	8840229.2	3.690645161	8513967.709
11571735	3.364666667	11182384.69	14747917.5	3.241290323	14269894.68	13317185	2.906666667	12930098.82	13084425	3.447096774	12633392.21	13260877.5	3.690645161	12771465.57
4426675	3.364666667	4277732.142	4389130	3.241290323	4246865.554	3320472.5	2.906666667	3223957.433	3895477.5	3.350322581	3764966.438	3022055	3.440645161	2918076.811
0	3.364666667	0	0	3.241290323	0	2094915	2.906666667	2034022.804	5871152.5	3.156774194	5685813.473	8027350	2.940645161	7791294.121
2256592.5	3.364666667	2180665.684	4268297.5	3.241290323	4129949.586	4545052.5	2.906666667	4412942.974	6784117.5	3.156774194	6569958.23	7391937.5	2.940645161	7174566.848
59250071.5		57256504.09	73179967.7		70800924.88	70648516		68594999.13	82200613.4		79502940.57	81102384.8		78407850.55
		0			0			0			0			0
2907417.5	3.364666667	2809592.593	7325120	3.364666667	7078654.129	5889662.5	2.906666667	5718469.643	5589872.5	3.253548387	5408003.293	5485062.5	3.190645161	5310053.619
13156067.5	3.364666667	12713409.68	32882225	3.364666667	31775847.74	31902490	2.906666667	30975190.96	31533980	3.350322581	30477489.95	31722347.5	3.440645161	30630894.09
16063485		15523002.27	40207345		38854501.87	37792152.5		36693660.6	37123852.5		35885493.24	37207410		35940947.7
		0			0			0			0			0
6780037.9	3.364666667	6551912.225	7537437.4	3.241290323	7293127.171	7591177.3	2.906666667	7370527.08	9192824.9	3.350322581	8884835.612	16988191.4	3.440645161	16403688.01
5742022.3	3.364666667	5548822.39	7696339.8	3.241290323	7446879.083	7709971.8	2.906666667	7485868.62	7844525.1	3.350322581	7581708.204	11876219.2	3.440645161	11467600.64
12522060.2		12100734.61	15233777.2		14740006.25	15301149.1		14856395.7	17037350		16466543.82	28864410.6		27871288.65
		0			0			0			0			0
12106638.1	3.664666667	11662970.17	13177440.1	3.541290323	12710788.69	12105537.7	3.206666667	11717353.46	12171336	3.727741935	11717620	12213873.5	3.940645161	11732568.08
13343679	3.964666667	12814646.61	13462437.8	3.841290323	12945306.48	13185797	3.506666667	12723415.05	13087624.3	4.201935484	12537690.77	12361585.8	4.690645161	11781747.67
25450317.1		24477616.78	26639877.9		25656095.17	25291334.7		24440768.51	25258960.3		24255310.77	24575459.3		23514315.76
		0			0			0			0			0
336002995.7	0	323672297.9	375321695.4	0	362103709.2	356795954.3	0	345465078	381820878.3	0	367564417.6	411589635.2	0	395159501.4

Sep-15			Oct-15			Nov-15			Yearly %age loss
Gross Energy	Loss Average Monthly	Net power	Gross Energy	Loss Average Monthly	Net power	Gross Energy	Loss Average Monthly	Net power	
58291790	4.496	55670991.12	66429805	3.622903226	64023117.45	69421292.5	4.905333333	66015946.7	4.530946
14578745	3.496	14069072.07	11767785	2.840645161	11433503.98	22366727.5	4.155333333	21437315.42	4.116629
10074742.5	3.496	9722529.502	9453417.5	2.840645161	9184879.453	11672310	4.155333333	11187286.61	4.029035
7812547.5	3.496	7539420.839	7188962.5	2.840645161	6984749.585	8825902.5	4.155333333	8459156.831	4.110565
2624970	2.496	2559450.749	1889826.6	2.276129032	1846811.708	1879452.9	3.288666667	1817643.959	3.538426
22367581.8	4.496	21361935.32	22637544.5	3.840645161	21768116.74	25948331.9	4.972	24658180.84	4.636904
20685117.5	4.496	19755114.62	24006482.5	3.840645161	23084478.69	25940212.5	4.972	24650465.13	4.6067
12097820	4.496	11553902.01	12039895	3.840645161	11577485.36	26719670	4.972	25391168.01	4.619904
14418340	3.335666667	13937392.24	17510663	2.816774194	17017427.16	19036932	3.603	18351031.34	3.411925
3637220	2.496	3546434.989	181390	2.276129032	177261.3295	142707.5	3.288666667	138014.326	3.216749
21276047.5	3.246	20585427	10468907.5	2.372903226	10220490.46	6998307.5	3.288666667	6768156.494	3.376188
6783177.5	3.996	6512121.727	334762.5	4.211612903	320663.5994	9777782.5	5.288666667	9260668.176	4.384765
915152.5	3.496	883158.7686	5052030	2.840645161	4908519.754	10834270	4.155333333	10384069.97	4.131703
8804625.4	2.496	8584861.95	6843207.4	2.276129032	6687447.17	11584606.9	3.288666667	11203627.79	3.612806
204367877.2		196281812.9	195804679		189234952.4	251148506.2		239722731.6	4.276765
		0			0			0	
4455485	2.996	4321998.669	2403082.5	2.340645161	2346834.866	1691735	3.288666667	1636099.475	3.311325
1809137.9	3.246	1750413.284	991440.4	2.808387097	963596.9157	468196	4.155333333	448740.8955	3.593487
7178857.5	2.746	6981726.073	3899932.5	2.308387097	3809906.961	2254843	3.288666667	2180688.73	3.32168
1402887.5	2.746	1364364.209	749510	2.308387097	732208.4079	609438	3.288666667	589395.6156	3.332007
4761770	3.246	4607202.946	2472717.5	2.590645161	2408658.164	1477490	3.905333333	1419789.091	3.418246
6686785	2.496	6519882.846	8496207.5	2.276129032	8302822.854	9802675	3.288666667	9480297.695	3.292712
5499938.9	3.246	5321410.883	2238381.8	2.808387097	2175519.374	1403732	4.108333333	1346062.01	3.477638
13515490	3.246	13076777.19	9569052.5	2.590645161	9321152.304	6470098	3.538666667	6241142.799	3.464448
1504605	2.996	1459527.034	1342065	2.340645161	1310652.021	1012418	3.288666667	979122.9467	3.465048
5717527.5	2.496	5574818.014	6212190	2.276129032	6070792.54	6743188	3.288666667	6521427.024	2.850475
2727307.5	2.496	2659233.905	1185710	2.276129032	1158721.71	746038	3.347	721068.1081	3.066379
55259791.8		53637355.06	39560289.7		38600866.12	32679851		31563834.39	3.33605
		0			0			0	
4347477.5	2.746	4228095.768	2232575	2.308387097	2181038.527	2031517.5	3.838666667	1953534.315	3.325772
24926940	2.996	24180128.88	13164267.5	2.558387097	12827474.58	9469507.5	3.905333333	9099691.667	3.37484
29274417.5		28408224.65	15396842.5		15008513.11	11501025		11053225.98	3.36686
		0			0			0	
6558837.3	2.996	6362334.534	7049599.3	2.558387097	6869243.261	5858660.5	4.088666667	5619119.401	3.694256
4370706.6	2.996	4239760.23	4953713.8	2.558387097	4826978.625	4105470.4	4.088666667	3937611.4	3.627818
10929543.9		10602094.76	12003313.1		11696221.89	9964130.9		9556730.801	3.665495
		0			0			0	
10609022.6	3.496	10238131.17	9377076.9	2.840645161	9110707.419	9653177.9	4.155333333	9252056.181	4.057047
12937304.6	4.246	12387986.65	8299732.4	3.372903226	8019790.458	13025585	5.022	12371440.12	4.372045
23546327.2		22626117.82	17676809.3		17130497.88	22678762.9		21623496.3	4.210821
		0			0			0	
323377957.6	0	311555605.2	280441933.6	0	271671051.4	327972276	0	313520019.1	0

Methodology- Average monthly loss is calculated on the basis of weekly loss as available on the website of POSOCO