



# महाराष्ट्र विद्युत नियामक आयोग

## Maharashtra Electricity Regulatory Commission

Ref. No. MERC/FAC/MSEDCL/0.0.01

Date: 01 January, 2019

To,  
**The Managing Director,**  
Maharashtra State Electricity Distribution Company Ltd.,  
5<sup>th</sup> Floor, Prakashgad, Plot No. G-9  
Bandra (East), Mumbai 400 051

**Subject:** Post facto approval of MSEDCL's Fuel Adjustment Charges (FAC) for the period of January, 2018 to March, 2018.

**Reference:** 1. MSEDCL's FAC submission vide Letters No.20808-20810 dated 29 August, 2018 for post-facto approval of FAC for the period of January, 2018 to March, 2018.  
2. Replies to data gaps received vide email dated 14 November, 2018, 19 November, 2018, 11 December, 2018 and 19 December, 2018

Sir,

Upon vetting the FAC calculations for the month of January, 2018 to March, 2018 as mentioned in the above reference, the Commission has accorded post facto approval to MSEDCL for levying FAC to its consumers as shown in the table below:

ZFAC	Jan, 2018	Feb, 2018	Mar, 2018
FAC allowed (Rs. Crore)	(116.32)	64.89	204.97

MSEDCL is directed to refund Rs. 254.52 Crore along with interest in the next FAC billing cycle. This is on account of correction in adjustment factor, FAC levy methodology adopted for January to March, 2018 as explained in para 4.13, 10.3, 10.5 and 10.6 of the Vetting Report.

The above approval of FAC is subject to the final True up of FY 2017-18 under the MERC (Multi Year Tariff) Regulations, 2015.

Yours faithfully,

(Dr. Rajendra Ambekar)  
Executive Director, MERC

**Encl:** Annexure A: Detailed Vetting Report for the period of January, 2018 to March, 2018.

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**POST FACTO APPROVAL FOR FAC FOR THE MONTH OF  
JANUARY 2018 TO MARCH 2018**

**Subject:** Post facto approval of MSEDCL's Fuel Adjustment Charges (FAC) for the period of January, 2018 to March, 2018.

**Reference:** 1. MSEDCL's FAC submission vide Letters No.20808-20810 dated 29 August, 2018 for post-facto approval of FAC for the period of January, 2018 to March, 2018.

2. Replies to data gaps received vide email dated 14 November, 2018, 19 November, 2018, 11 December, 2018 and 19 December, 2018

**1. FAC submission by MSEDCL:**

1.1 MSEDCL has made FAC submissions for the month of January, 2018 to March, 2018 as referred above. Upon vetting the FAC calculations, taking cognizance of all the submissions furnished by MSEDCL, the Commission has accorded post facto approval for the FAC amount to be charged in the billing month of April, 2018 to June, 2018.

**2. Background**

2.1 On 3<sup>rd</sup> November, 2016, the Commission has issued Tariff Order for MSEDCL, (Case No.48 of 2016) for approval of True-up of FY 2014-15, provisional True-up for FY 2015-16 and Aggregate Revenue Requirement (ARR) and Tariff for FY 2016-17 and FY 2019-20. Revised Tariff has been made applicable from 1<sup>st</sup> November 2016.

2.2 Vide its letter dated 15 November, 2016, the Commission communicated the excel formats for filing of FAC submissions to all Distribution Licensees. The Commission also directed all Distribution Licensees to submit FAC computations, including details pertaining to variation in fuel cost of generators for the approval of the Commission.

2.3 Vide FAC vetting Report dated 1 March, 2017, the Commission accorded prior approval of the FAC for the month of November, 2016.

2.4 In terms of MERC (MYT) Regulations, 2015 a Distribution Licensee is required to obtain post facto approval of the Commission on a quarterly basis for FAC charges. Accordingly, vide its letter dated 29 August, 2018, MSEDCL has filed FAC submissions for the month of January, 2018 to March, 2018 for post facto approval. The Commission has scrutinized





the submissions provided by MSEDCL and has also verified the fuel and power purchase bills provided along with its submissions.

### 3. Energy Sales of the Licensee

3.1 The net energy sales within licence area as submitted by MSEDCL in the FAC submission and as approved by the Commission are as shown in the table below.

Consumer Category	Approved by the Commission	Approved for the month	Actual sales (MU)		
			Jan-18	Feb-18	Mar-18
	(I)	(II=I/12)	(III)	(IV)	(V)
<b>1. Metered Sales</b>					
<b>HT Category</b>					
Industry General	24845.00	2070.42	2501.51	2336.19	2578.37
Industry Seasonal	89.00	7.42	16.37	11.57	12.02
Commercial	2406.00	200.50	143.16	138.78	164.99
Railway metro monorail	77.00	6.42	6.97	6.43	8.12
Public water works	1837.00	153.08	162.72	155.54	166.29
Agriculture pumpset	1100.00	91.67	56.78	89.21	76.09
Agriculture other	0.00	0.00	17.09	17.27	21.63
Group Housing Society	226.00	18.83	16.90	15.47	19.19
Temp Supply other	5.00	0.42	0.74	0.60	0.40
Public Service Govt	205.00	17.08	17.43	16.55	21.74
Public Service other	857.00	71.42	56.84	56.12	69.51
MSPGCL Aux Consumption	83.00	6.92	20.33	19.38	19.28
Other Adjustment			427.02	386.61	
<b>Sub Total</b>	<b>31730.00</b>	<b>2644.17</b>	<b>3443.87</b>	<b>3249.73</b>	<b>3157.63</b>
<b>LT Category</b>					
BPL	77.00	6.42	4.53	3.57	3.99
Residential	20763.00	1730.25	1289.26	1302.28	1542.97
Non residential	4874.00	406.17	422.12	420.56	459.90
Public water works	716.00	59.67	62.46	63.03	66.39
AG metered pumpset	17230.00	1435.83	1910.39	1631.38	1832.77
AG metered other	115.00	9.58	11.91	11.42	12.56
Industry	9150.00	762.50	802.78	766.00	737.93
Street light	1965.00	163.75	167.11	171.03	178.39
Temporary supply	14.00	1.17	1.45	1.64	1.28
Advertisement and hording	3.00	0.25	0.43	0.41	0.37
Crematorium and burial ground	1.00	0.08	0.18	0.16	0.11
Public service	347.00	28.92	32.57	32.11	38.24
Prepaid	14.00	1.17	0.69	0.65	0.87





Consumer Category	Approved by the Commission	Approved for the month	Actual sales (MU)		
			Jan-18	Feb-18	Mar-18
	(I)	(II=I/12)	(III)	(IV)	(V)
<b>Sub Total</b>	<b>55269.00</b>	<b>4605.75</b>	<b>4705.88</b>	<b>4404.23</b>	<b>4875.78</b>
<b>Sub Total- Metered Sales</b>	<b>86999.00</b>	<b>7249.92</b>	<b>8149.74</b>	<b>7653.96</b>	<b>8033.41</b>
<b>2. Unmetered Sales</b>					
Unmetered Hrs>1318	4729.00	394.08	754.19	1033.20	1099.49
Unmetered Hrs<1318	3027.00	252.25			
<b>Sub Total- Unmetered Sales</b>	<b>7756.00</b>	<b>646.33</b>	<b>754.19</b>	<b>1033.20</b>	<b>1099.49</b>
<b>Grand Total (Metered+Unmetered)</b>	<b>94755.00</b>	<b>7896.25</b>	<b>8903.93</b>	<b>8687.16</b>	<b>9132.90</b>

3.2 It was observed that monthly sale for January to March, 2018 is higher than that approved in the MYT Order i.e., 7896.25 MU.

#### **4. Cost of Power Purchase**

4.1 MSEDCL mainly procures power from following sources;

- a) MSPGCL
- b) Central Generating Station
- c) JSW (Ratnagiri) Energy Ltd.
- d) Adani Power Limited
- e) Mundra UMPP
- f) RattanIndia Power Limited
- g) EMCO Power
- h) Bilateral Procurement (Power Exchange, Traders, etc.)
- i) Renewable Energy Sources
- j) Infirm Power (MSPGCL units under commissioning, other infirm sources)

4.2 MSEDCL also buys power from other sources such as Sardar Sarovar and Pench Hydro project, renewable sources including co-generation, Wind power and Solar.

4.3 In addition to the above sources, in case of any shortfall from approved sources, when demand exceeds availability or for cost optimization, MSEDCL sources power from exchange/Traders or other sources at the market price through competitive bidding in accordance with the Guidelines of MoP.

4.4 The following table shows the variation in average power purchase cost (Rs/kWh) for the month of January, 2018 to March, 2018 as compared to average power purchase cost approved in Tariff Order dated 3 November, 2016:





Particulars	Approved for Jan, 2018 in T.O dated 3 <sup>rd</sup> November, 2016			Actual for Jan, 2018		
	Net Purchase	Cost	Average Power Purchase Cost	Net Purchase	Cost	Average Power Purchase Cost
	MU	Rs. Crore	Rs/kWh	MU	Rs. Crore	Rs/kWh
Thermal Power Plants	7274.00	2743.56	3.77	9892.86	3629.59	3.67
Must Run Sources	2329.00	986.71	4.24	1585.03	778.08	4.91
<b>Total</b>	<b>9603.00</b>	<b>3730.27</b>	<b>3.88</b>	<b>11477.88</b>	<b>4407.66</b>	<b>3.84</b>

Particulars	Approved for Feb, 2018 in T.O dated 3 <sup>rd</sup> November, 2016			Actual for Feb, 2018		
	Net Purchase	Cost	Average Power Purchase Cost	Net Purchase	Cost	Average Power Purchase Cost
	MU	Rs. Crore	Rs/kWh	MU	Rs. Crore	Rs/kWh
Thermal Power Plants	7296.00	2793.94	3.83	8433.85	3258.54	3.86
Must Run Sources	2238.00	973.91	4.35	1532.84	838.41	5.47
<b>Total</b>	<b>9534.00</b>	<b>3767.85</b>	<b>3.95</b>	<b>9966.69</b>	<b>4096.95</b>	<b>4.11</b>

Particulars	Approved for Mar, 2018 in T.O dated 3 <sup>rd</sup> November, 2016			Actual for Mar, 2018		
	Net Purchase	Cost	Average Power Purchase Cost	Net Purchase	Cost	Average Power Purchase Cost
	MU	Rs. Crore	Rs/kWh	MU	Rs. Crore	Rs/kWh
Thermal Power Plants	7839.00	2887.07	3.68	10117.41	3895.81	3.85
Must Run Sources	2329.00	986.71	4.24	2520.12	1186.75	4.71
<b>Total</b>	<b>10168.00</b>	<b>3873.78</b>	<b>3.81</b>	<b>12637.53</b>	<b>5082.56</b>	<b>4.02</b>

4.5 MSPGCL – The Commission has scrutinised the detailed bills submitted and observed that total energy purchased from MSPGCL’s Thermal and Gas Power Generating Stations during the month of January, February and March, 2018 are 3764.94 MU, 3446.62 MU and 4344.13 MU respectively against the monthly MYT approved purchase of 2733 MU, 3101 MU and 3198 MU respectively. The variable cost from these sources during the aforesaid period is Rs. 992.09 Crore, Rs. 899.24 Crore and Rs. 1136.07 Crore respectively which has been worked out as per the energy charge approved by the Commission in its MYT Order. Further, it was observed that MSEDCL has considered an amount of Rs. 145.74 Crore during the months of January to March, 2018 as other charges in the total





power purchase cost. The Commission has sought for supporting bills invoices against the same. On submission of the required bills, it was clarified that the aforesaid amount pertains to differential fixed charges for the period of December, 2015 to December, 2017 for Koradi Units 8, 9 and 10 ; Chandrapur Units 8 and 9 and Parli Unit 8 as approved by the Commission in its Order dated 14 December, 2017 in Case No. 59 of 2017. MSEDCL has made three monthly instalments of the total differential fixed charges for December, 2015 to December, 2017 from January, 2018 onwards in line with the Commission's Order.

- 4.6 The average power purchasing cost from all MSPGCL's Thermal and Gas Power Generating Stations during the months of January, February and March, 2018 is Rs. 4.10/kWh, 4.44/kWh and Rs. 4.22/kWh which is lower as compared to the MYT approved monthly average power purchase cost of Rs. 4.78/kWh , Rs. 4.54/kWh and Rs. 4.46/kWh respectively. The reduction in average power purchase cost is mainly on account of reduction/disallowance in fixed charge payable as the cumulative availability of almost all of the MSPGCL plants during the respective period were lower than the MYT approved Target availability. Therefore, none of the MSPGCL plant were entitled to claim full monthly fixed cost. Further, the negative impact towards fuel surcharge adjustment bills for the respective period has also led to reduction in the total power purchase cost and thus lowering of APPC.
- 4.7 NTPC – The total units purchased from NTPC's stations during the months of January, February and March, 2018 are 2627.41 MU, 2329.37 MU and 2835.95 MU respectively against the MYT approved monthly units of 2073 MU, 1965 MU and 2173 MU respectively. The quantum of energy purchase from these stations is more than the MYT approved monthly units. This is due to the purchase of power from NTPC's new plants like Solapur STPS, Mouda, Kawas and Gandhar, whose COD were not declared at the time of MYT Order, hence, the energy purchase from these plant were not included in the MYT Order. However, the Commission had approved the variable charge from these units. Further, the total increase in quantum of energy purchase is approximately 554.41 MU, 364.27 MU and 662.95 MU during the months of January, February and March, 2018 respectively.
- 4.8 Accordingly, the average power purchase cost from NTPC Units during the aforesaid period is Rs. 2.83/kWh, Rs. 3.13/kWh and Rs. 3.26/kWh which is more as compared to MYT approved monthly rate of Rs. 2.79/kWh, Rs. 2.93/kWh and Rs. 2.77/kWh respectively. The increase in the average power purchase cost is mainly due to increase in variable cost on account of variable charge revision during the aforesaid period. Further, the average power purchase cost has also increased as MSEDCL has purchased almost 18% to 26% of the total power from NTPC new stations as mentioned above having the variable charges in the range of Rs. 2.70/kWh to Rs. 3.24/kWh. The approved variable charge of these new stations are approximately double than that of the existing old stations having the variable charge in the range of Rs. 1.04/kWh to 1.52/kWh. The average power purchase cost from these new stations are in the range of Rs. 4.03/kWh to 6.11/kWh as





compared to existing old stations with average power purchase cost of Rs. 1.97/kWh to Rs. 4.85/kWh. This has increased the average price of the entire portfolio of NTPC plants, thus impacting the APPC.

4.9 IPPs - MSEDCL has purchased power from Mundra CGPL UMPP and IPPs, viz., JSW, EMCO Power, India Bulls Power (RattanIndia) and Adani Power. The total power purchased from these sources are 2654.28 MU, 2510.07 MU and 2286.56 MU respectively against the monthly approved of 2468 MU, 2230 MU and 2468 MU respectively during the months of January, February and March, 2018. The average power purchase cost from these stations is 3.84/kWh, Rs. 3.73/kWh and Rs. 3.62/kWh respectively during the aforesaid period as compared to monthly approved MYT rate of Rs. 3.48/kWh, Rs. 3.64/kWh and Rs. 3.48/kWh respectively. The variation in the power purchase rate is due to change in variable rate as the rates are linked to various factors such as variation in monthly exchange rates, CERC index for inland handling of imported fuel and for inland transportation of fuel. Further, the impact of 'change in law' for non-availability/shortfall in domestic coal has also been included by Adani Power and CGPL during the months of January, February and March, 2018 which has led to the variation the total power purchase cost and thus increased the APPC during the aforesaid period.

4.10 Traders – MSEDCL has purchased power from PTC India, JPL, Manikaran Power Limited, GMRETL, Dhariwal Infrastructure Limited, TPCTL and DB power Limited etc. The Commission has verified the quantum of energy purchase and associated charges from the detailed bills submitted and found to be in order. Further, the average power purchase cost from these sources during the months of January, February and March, 2018 is Rs. 3.83/kWh, Rs. 4.22/kWh and Rs. 4.18/kWh respectively. The Commission in its MYT Order has not considered any quantum and amount with regards to short term power purchase as the entire demand would have been considered to be met through projected sources of power. Hence, the same is not considered in the energy balance for each year of the 3<sup>rd</sup> Control Period by the Commission. However, the Commission had directed MSEDCL to procure short term power in case of any shortfall from approved sources or when demand exceeds availability through competitive bidding. Further, as the power from traders has been procured by MSEDCL through competitive bidding, the Commission has considered the respective actual quantum and the cost as submitted by MSEDCL.

4.11 Must Run – The sources of Must Run Stations include KAPP, TAPP 1&2, TAPP 3&4, SSP, Pench, Dodson I and Dodson II, Non-Conventional Energy, etc. MSEDCL has purchased 1585.03 MU, 1532.84 MU and 2520.12 MU respectively during the months of January, February and March, 2018 as compared to the monthly MYT approved energy purchase of 2329 MU, 2238 MU and 2329 MU respectively. The average power purchase cost as claimed by MSEDCL from these stations during the aforesaid period is Rs. 5.62/kWh, 5.72/kWh and Rs. 4.80/kWh as compared to MYT approved rate of Rs. 4.24/kWh, Rs. 4.35/kWh and Rs. 4.24/kWh respectively.





4.12 Further, with regards to Non-Conventional Energy sources it was observed that apart from power purchase cost, MSEDCL has considered the amount of Rs. 165 Crore, Rs. 90 Crore and Rs. 75 Crore respectively during the month of January, February and March, 2018. This has resulted into an increase in power purchase cost being spread over lower net purchase and thus impacting the APPC. The Commission has sought clarification on the same. In response to this, MSEDCL stated that during the month of April, 2018 it has created RPO Regulatory Charges Fund. MSEDCL has then deposited a total sum of Rs. 330 Crore i.e. Rs. 165 Crore in April, Rs. 90 Crore in May and Rs. 75 Crore in June, 2018 towards the RPO Regulatory Charges Fund. Although, MSEDCL has deposited the aforesaid amount towards the RPO funds, MSEDCL has not actually procured any REC during the concerned period. In this regards the Commission is of the view that such a practice undertaken by MSEDCL is not in accordance with MYT Regulation, 2015 and is against the basic principle of FAC mechanism. The MYT Regulations, 2015 specifies that the FAC is chargeable on actuals subsequent to such a cost being incurred and shall not be provisional basis. The relevant provision of MYT Regulations, 2015 is reproduced below

*10.4 The ZFAC component shall be computed and charged on the basis of actual variation in cost of fuel and power purchase relating to power procured during any month subsequent to such costs being incurred, in accordance with these Regulations, and shall not be computed on the basis of estimated or expected variations in fuel costs.*

4.13 As amount deposited in RPO Regulatory Charge Fund has been recovered through FAC without actual incurring of such amount on procurement of energy from RE Sources / REC, said amount needs to be refunded to the consumers along with holding cost. However, in order to avoid large variation in FAC by asking MSEDCL to refund such amount and add it back when it actually procured power from RE sources / REC, the Commission sought the details of REC if any procured from RPO Regulatory Fund till date. In response, MSEDCL submitted that from the RPO Regulatory Funds created on April, 2018, it has purchased REC amounting to Rs. 144.15 Crore on 26, October, 2018 from IEX and REC of worth Rs. 10.39 Crore on 1, November, 2018 from PXIL. Accordingly, MSEDCL has purchased a total REC of worth Rs. 154.54 Crore from the RPO Regulatory Fund. Therefore, the Commission has considered the same i.e., Rs. 154.54 Crore towards REC cost in the present FAC approval as against Rs. 330 Crore claimed by MSEDCL. The Commission has then spread the amount considered for REC i.e., Rs. 154.54 Crore equally for the months of January, February and March, 2018 for computation of average power purchase cost. Furthermore, as MSEDCL has actually recovered the total sum of Rs. 330 Crore as explained above but it has not procured any REC with that amount during the relevant months, therefore, MSEDCL has to bear the associated cost of holding the amount during the concerned period. The associated holding cost has been computed for the amount of Rs. 154.54 Crore from the month of May, 2018 (i.e., midpoint for the billing months of Q4 of FY 2017-18) till October, 2018 when the REC has been actually procured as shown in table below. Further, for the amount of Rs. 175.46 Crore (i.e., Rs. 330 Crore minus Rs. 154.54 Crore), the holding cost has been computed from the month of May, 2018 to December, 2018 as shown in table below.





Computation of holding cost on the amount of Rs.154.54 Crore			
Month	Amount in Rs. Crore	Rate of Interest	Holding cost
May	154.54	9.65%	1.24
June	154.54	9.75%	1.26
July	154.54	9.75%	1.26
August	154.54	9.75%	1.26
September	154.54	9.95%	1.28
October	154.54	9.95%	1.28
<b>Total Holding cost</b>			<b>7.57</b>

Computation of Holding cost on the amount of Rs. 175.46 Crore			
Month	Amount in Rs. Crore	Rate of Interest	Holding cost
May	175.46	9.65%	1.41
June	175.46	9.75%	1.43
July	175.46	9.75%	1.43
August	175.46	9.75%	1.43
September	175.46	9.95%	1.45
October	175.46	9.95%	1.45
November	175.46	9.95%	1.45
December	175.46	10.05%	1.47
<b>Total Holding cost</b>			<b>11.52</b>

4.14 The Commission has then bifurcated the associated holding cost as computed above in the months of January, February and March, 2018 based on the categories wise sales during the respective period. Accordingly, the total average power purchase cost from Non Conventional Energy sources for the months of January, February and March, 2018 has been worked out to Rs. 6.64/kWh Rs 6.34/kWh and Rs. 5.90/kWh respectively as against Rs. 7.85/kWh, Rs. 6.73/kWh and Rs.6.03/kWh as claimed by MSEDCL. Hence, the average power purchase cost from Must Run sources has been worked out as Rs.4.91/kWh, Rs. 5.47/kWh and Rs. 4.71/kWh during the months of January, February and March, 2018 as against Rs. 5.62/kWh, 5.72/kWh and Rs. 4.80/kWh claimed by MSEDCL.





4.15 The following table shows the average power purchase cost as claimed by MSEDCL and as approved by the Commission:

Source of Power Purchase	Jan'18				Feb'18				Mar'18			
	Net Purchase	Power Purchase Cost	Average power purchase cost	MU	Net Purchase	Power Purchase Cost	Average power purchase cost	MU	Net Purchase	Power Purchase Cost	Average power purchase cost	MU
		Rs. Crore	Rs./kWh			Rs. Crore	Rs./kWh			Rs. Crore	Rs./kWh	
<b>Power Purchase Cost claimed by MSEDCL</b>												
Non Conv. Energy	944.67	741.14	7.85	1001.33	673.70	6.73	1757.30	1059.97	6.03			
Other Sources	10533.21	3780.01	3.59	8965.36	3461.74	3.86	10880.23	4046.08	3.72			
<b>Total power purchase</b>	<b>11477.88</b>	<b>4521.15</b>	<b>3.94</b>	<b>9966.69</b>	<b>4135.44</b>	<b>4.15</b>	<b>12637.53</b>	<b>5106.05</b>	<b>4.04</b>			
<b>Power Purchase Cost approved by the Commission</b>												
Non Conv. Energy	944.67	627.65	6.64	1001.33	635.21	6.34	1757.30	1036.48	5.90			
Other Sources	10533.21	3780.01	3.59	8965.36	3461.74	3.86	10880.23	4046.08	3.72			
<b>Total power purchase</b>	<b>11477.88</b>	<b>4407.66</b>	<b>3.84</b>	<b>9966.69</b>	<b>4096.95</b>	<b>4.11</b>	<b>12637.53</b>	<b>5082.56</b>	<b>4.02</b>			





4.16 Therefore, the key reasons for increase in APPC are because of increase of quantum of energy purchase from NTPC new stations having relatively higher variable cost, additional monthly charges pertaining to differential fixed cost of MSPGCL Units in line with the Commission's Order, incorporation of change in law amount in the total power purchase cost in line with the Commission's Order, revisions in the variable cost, other charges, etc. and also due to consideration of REC purchase of worth Rs. 154.54 Crore during the respective period.

4.17 Accordingly, after the complete scrutiny of the relevant document submitted, the Commission allows the average power purchase cost of **Rs. 3.84/kWh** for the month of January, 2018, **Rs. 4.11/kWh** for the month of February, 2018 and **Rs. 4.02/kWh** for the month of March, 2018 as shown in the table above.

## 5 FAC on account of fuel and power purchase cost (F)

5.1 The Commission has worked out the average power purchase cost for the month as shown in above table. The same has been compared with the average power purchase cost approved by the Commission in Tariff Order dated 3 November, 2016 and arrived at differential per unit rate at which ZFAC is to be passed on to the consumers.

5.2 The following table shows the ZFAC worked out by the Commission on account of difference in fuel and power purchase cost for the month of January, 2018 to March, 2018.

S. No.	Particulars	Units	Jan, 2018	Feb, 2018	Mar, 2018
1	Average power purchase cost approved by the Commission	Rs./kWh	3.88	3.95	3.81
2	Actual average power purchase cost	Rs./kWh	3.84	4.11	4.02
3	Change in average power purchase cost (=2 -1)	Rs./kWh	(0.04)	0.16	0.21
4	Net Power Purchase	MU	11477.88	9966.69	12637.53
5	<b>Change in fuel and power purchase cost (=3 x 4/10)</b>	<b>Rs. Crore</b>	<b>(50.90)</b>	<b>158.10</b>	<b>267.95</b>

5.3 The Commission in its previous vetting report had adopted the methodology of bifurcating the over-recovery/under-recovery amounts into Agriculture (AG) and non-Agriculture (non-AG) categories for computation of adjustment factor. Based on the same methodology, the Commission has bifurcated the stand alone month power purchase cost variation as computed above into the Agriculture and non-Agriculture categories. The Commission has considered the ratio of actual AG and non-AG sale for the respective





months for which FAC is computed to bifurcate the power purchase cost variation. The power purchase cost variation for AG and non-AG consumers is shown in the Table below.

Particulars	Units	Jan'18			Feb'18		
		Total	Ag	Non-Ag	Total	Ag	Non-Ag
Category wise sales during the month	Mus	<b>8866.89</b>	2664.58	6202.32	<b>8654.52</b>	2664.58	5989.94
Variation in power purchase cost attributable to Sales within the License Area (F)	Rs. Crore	<b>(50.90)</b>	(15.30)	(35.60)	<b>158.10</b>	48.67	109.42

Particulars	Units	Mar'18		
		Total	Ag	Non-Ag
Category wise sales during the month	Mus	<b>9100.26</b>	2932.26	6168.00
Change in power purchase cost attributable to Sales within the License Area (F)	Rs. Crore	<b>267.95</b>	86.34	181.61

## 6 Adjustment for over recovery/under recovery (B)

6.1 MSEDCL has bifurcated the over-recovery/under-recovery amounts into Agriculture and non-Agriculture categories for computation of adjustment factor. The bifurcation has been done based on the FAC and actual sales of N-2 month. Further, MSEDCL has considered the FAC of N-2 month as per their computation. However, the Commission has recomputed the incremental cost allowed to be recovered based on the approved FAC of previous quarter and bifurcated the same as per actual sales of N-2 month as shown in the Table below. The incremental cost actually recovered has been considered as submitted by MSEDCL and accordingly, the adjustment factors have been computed

6.2 Accordingly, the adjustment factor for over recovery/under recovery (B) for the period of January, 2018 to March, 2018, is as below;

S. No.	Particulars	Units	Jan'18		Feb'18		Mar'18	
			Ag	Non-Ag	Ag	Non-Ag	Ag	Non-Ag
1.0	Sales in Month n-4	MUs	2001.14	6216.35	2001.14	6169.63	2414.00	6110.09
	Total Incremental cost allowed to be recovered in Month n-4*	Rs. Crore	13.37		30.28		(232.27)	
1.1	Incremental cost allowed to be recovered in Month n-4	Rs. Crore	(65.89)	79.26	(82.21)	112.49	(221.03)	(11.23)
1.2	Incremental cost in Month n-4 actually recovered in month n-2	Rs. Crore	(0.11)	7.60	(0.61)	57.30	(252.45)	11.94





S. No.	Particulars	Units	Jan'18		Feb'18		Mar'18	
			Ag	Non-Ag	Ag	Non-Ag	Ag	Non-Ag
1.3	Adjustment factor for (over-recovery)/under-recovery (=1.1 - 1.2)	Rs. Crore	(65.78)	71.66	(81.60)	55.19	31.42	(23.17)

*\*As against the approved value in Vetting Report, MSEDCL has taken different value of incremental cost allowed to be recovered as per their computations for January, 2018 to March, 2018. The same is now corrected in this vetting report by the Commission.*

## **7 Adjustments of amount pertaining to previous approved vetting report and holding cost**

7.1 The Commission in its previous FAC Vetting Report of April, 2017 to June, 2017 has directed MSEDCL to refund Rs. 724.67 Crore (Rs. 673.90 Crore Income Tax refund by NTPC in June 2017 plus Rs. 50.77 Crore holding cost for the period of July, 2017 to March, 2017) through FAC mechanism in twelve equal instalments starting from April, 2018 along with holding cost. The Commission had also provided the computation of monthly refund amounts in the aforesaid vetting report. Further, it was observed that MSEDCL has initiated the refund of amount of Rs. 724.67 Crore by making twelve equal instalments, i.e., Rs. 60.39 Crore per month starting from the month of January, 2018. However, MSEDCL has not considered the associated holding cost on such monthly refund. The Commission has considered the monthly refund instalment along with the associated holding cost for the respective months of Q4 of FY 2017-18 as computed in the para 11.6 of the approved vetting report for April, 2017 to June, 2017.

7.2 Further, in the month of January, 2018, MSEDCL has made recovery of amount Rs. 0.88 Crore along with applicable carrying cost as allowed by the Commission in its vetting report of April, 2017 to June, 2017. Further, in the month of February, 2018, it was observed that MSEDCL has considered the recovery of Rs. 5.05 Crore along with the carrying cost as allowed by the Commission in its vetting report of July, 2017 to September, 2017. The Commission has sought the computation of aforesaid recoveries done in the month of January and February, 2018. It was observed that MSEDCL while computing the carrying cost has only considered the base rate for the respective months, it has not considered the MCLR rate which is effective from 29 November, 2017 as per the MERC MYT (First Amendment) Regulations, 2017. Therefore, the Commission has re-computed the associated carrying cost as per the applicable interest rate during the respective period and bifurcated the same into Agriculture and Non-Agriculture categories.

7.3 Further, as explained in para above the total holding cost on amount of Rs. 154.54 Crore has been worked out as Rs. 7.57 Crore and on amount Rs. 175.46 Crore has been worked out as Rs. 11.52 Crore. The aforesaid holding amount is then spread equally for the respective months of Q4 of FY 2017-18 and the bifurcated into Agriculture and Non-





Agriculture categories based on the monthly sales submitted. Accordingly, the bifurcation of the total amount of recovery as approved in previous vetting reports along with carrying cost and the holding cost as computed above into Agriculture and Non-Agriculture categories is as shown in the Table below:

S. No.	Particulars	Units	Jan'18		Feb'18		Mar'18	
			Ag	Non-Ag	Ag	Non-Ag	Ag	Non-Ag
1.0	Sales in Month	MUs	2664.58	6202.32	2664.58	5989.94	2932.26	6168.00
1.1	Amount of instalment as per vetting report of Apr 17 to Jun 17	Rs. Crore	(65.97)		(65.49)		(65.00)	
	Amount of instalment as per vetting report of Apr 17 to Jun 17	Rs. Crore	(19.82)	(46.15)	(20.16)	(45.33)	(20.94)	(44.06)
1.2	Amount of recovery with carrying cost as per vetting report of Apr 17 to Jun 17	Rs. Crore	0.95		5.47		-	
	Amount of recovery with carrying cost as per vetting report of Apr 17 to Jun 17	Rs. Crore	0.28	0.66	1.68	3.78	-	-
1.3	Amount of Holding Cost on Rs. 154.54 Crore	Rs. Crore	(2.52)		(2.52)		(2.52)	
	Amount of Holding Cost on Rs. 154.54 Crore	Rs. Crore	(0.76)	(1.77)	(0.78)	(1.75)	(0.81)	(1.71)
1.4	Amount of Holding Cost on Rs. 175.46 Crore	Rs. Crore	(3.84)		(3.84)		(3.84)	
	Amount of Holding Cost on Rs. 175.46 Crore	Rs. Crore	(1.15)	(2.69)	(1.18)	(2.66)	(1.24)	(2.60)

## 8 Carrying Cost for over recovery/under recovery (B)

8.1 Carrying/Holding cost for under/over recovery has been computed at applicable interest rate during the respective period for the eligible amount. The Commission has computed the carrying cost separately on the adjustment factor as computed above for both Agriculture and Non-Agriculture categories.

8.2 The following Table shows the month wise interest rate and amount worked out as Carrying/Holding cost for under/over recovery for the month of January, 2018 to March, 2018.

S. No.	Particulars	Units	Jan'18		Feb'18		Mar'18	
			Ag Category	Non-Ag Category	Ag Category	Non-Ag Category	Ag Category	Non-Ag Category
1	Adjustment factor for over-recovery/under-recovery	Rs. Crore	(65.78)	71.66	(81.60)	55.19	31.42	(23.17)
2	Applicable	%	9.45	9.45	9.45	9.45	9.65	9.65





S. No.	Particulars	Units	Jan'18		Feb'18		Mar'18	
			Ag Category	Non-Ag Category	Ag Category	Non-Ag Category	Ag Category	Non-Ag Category
	Interest rate							
3	Carrying cost for over-recovery/under-recovery	Rs. Crore	(1.04)	1.13	(1.29)	0.87	0.51	(0.37)

## 9 Disallowance due to excess Distribution Loss

9.1 Regulation 10.8 of MYT Regulations, 2015 provides for FAC amount to be reduced in case the actual distribution loss for the month exceeds the approved distribution loss. The relevant extract is reproduced as follows.

*“10.8 The total ZFAC recoverable as per the formula specified above shall be recovered from the actual sales in terms of “Rupees per kilowatt-hour”:*

*Provided that, in case of unmetered consumers, the ZFAC shall be recoverable based on estimated sales to such consumers, computed in accordance with such methodology as may be stipulated by the Commission:*

*Provided further that, where the actual distribution losses of the Distribution Licensee exceed the level approved by the Commission, the amount of ZFAC corresponding to the excess distribution losses (in kWh terms) shall be deducted from the total ZFAC recoverable”*

9.2 The following table provides the comparison of approved and actual distribution loss and disallowance due to excess distribution loss if any.

S. No.	Particulars	Units	Approved in Tariff Order	Actual Upto		
				Jan'18	Feb'18	Mar'18
1	LT Sales	MU	64,294	53521.90	59229.15	65207.12
2	HT Sales	MU	25,575	32951.03	36201.85	39775.71
3	HT and Renewable Open Access Credit	MU	420	604.11	636.00	680.41
4	Sales to Open Access Consumers (Conventional)	MU	6,412	3580.31	3934.28	4303.06
5	<b>Total Sales to Consumers</b>	MU	<b>96,701</b>	<b>79312.31</b>	<b>87562.43</b>	<b>96376.71</b>
6	<b>Distribution Loss</b>	%	16.26%	14.72%	14.06%	14.35%
7	Distribution loss	MU	17,941	13691.36	14327.33	16153.73
8	<b>Total Energy Available for Sale at 33 KV</b>	MU	<b>1,14,642</b>	<b>93003.67</b>	<b>101889.76</b>	<b>112530.44</b>





S. No.	Particulars	Units	Approved in Tariff Order	Actual Upto		
				Jan'18	Feb'18	Mar'18
9	Energy injected and drawn at 33KV	MU	458	417.38	457.21	494.10
<b>10</b>	<b>Net Energy Available for sale at 33 KV</b>	<b>MU</b>	<b>1,14,184</b>	<b>92586.29</b>	<b>101432.6</b>	<b>112036.3</b>
11	Sales at 66KV level	MU	203	115.86	126.83	136.41
12	Sales at 110 KV/132KV level	MU	3,148	3646.91	4075.78	4558.04
13	Sales at 220 KV/400 KV level	MU	2,991	2483.34	2756.95	3009.56
<b>14</b>	<b>Net Energy requirement at T&lt;math&gt;\lt;/math&gt;D Periphery</b>	<b>MU</b>	<b>1,20,526</b>	<b>98832.41</b>	<b>108392.1</b>	<b>119740.4</b>
15	Excess Distribution loss = [Actual Distribution loss - Distribution loss approved] x Net Energy Input	MU		NIL	NIL	NIL
<b>16</b>	<b>Disallowance of FAC due to excess Distribution Loss</b>	<b>Rs. Crore</b>		NIL	NIL	NIL

9.3 As per month wise FAC submission, the cumulative distribution loss is 14.72% for the month of January, 2018, 14.06% for the month of February, 2018 and 14.35% for the month of March, 2018 which are lower than the approved Distribution Loss of 16.26%. Hence, disallowance on account of excess distribution loss for the months of January, 2018 to March, 2018 have not been worked out.

## 10 Summary of Allowable ZFAC

10.1 The summary of the FAC amount as approved by the Commission for the month of January, 2018 to March, 2018 which is allowed to be recovered in the billing month of April, 2018 to June, 2018 is as shown in the Table below:

S. No	Particulars	Units	Jan'18		Feb'18		Mar'18	
			Ag	Non-Ag	Ag	Non-Ag	Ag	Non-Ag
<b>1.0</b>	<b>Calculation of ZFAC</b>							
1.1	Change in cost of generation and power purchase attributable to Sales within the License Area (F)	Rs. Crore	(15.30)	(35.60)	48.67	109.42	86.34	181.61
1.2	Carrying cost for over-recovery/under-recovery (C)	Rs. Crore	(1.04)	1.13	(1.29)	0.87	0.51	(0.37)
1.3	Adjustment factor for over-recovery/under-recovery (B)	Rs. Crore	(65.78)	71.66	(81.60)	55.19	31.42	(23.17)





S. No	Particulars	Units	Jan'18		Feb'18		Mar'18	
			Ag	Non-Ag	Ag	Non-Ag	Ag	Non-Ag
1.4	Amount of instalment as per vetting report of Apr 17 to Jun 17 (NTPC 724.67 Cr)	Rs. Crore	(19.82)	(46.15)	(20.16)	(45.33)	(20.94)	(44.06)
1.5	Amount of recovery with carrying cost as per vetting report of Apr 17 to Jun 17	Rs. Crore	0.28	0.66	1.68	3.78		
1.6	Amount of Holding Cost on Rs. 154.54 Crore	Rs. Crore	(0.76)	(1.77)	(0.78)	(1.75)	(0.81)	(1.71)
1.7	Amount of Holding Cost on Rs. 175.46 Crore	Rs. Crore	(1.15)	(2.69)	(1.18)	(2.66)	(1.24)	(2.60)
1.8	<b>ZFAC = F+C+B</b>	<b>Rs. Crore</b>	<b>(103.57)</b>	<b>(12.75)</b>	<b>(54.65)</b>	<b>119.53</b>	<b>95.26</b>	<b>109.70</b>
1.9	ZFAC = F+C+B Feb'18 for AG Category						(54.65)	
1.10	ZFAC = F+C+B Jan'18 for AG Category						(103.57)	
1.11	<b>Total ZFAC (Quarterly) for AG Category</b>						<b>(62.95)</b>	
2.0	<b>Calculation of FAC Charge</b>							
2.1	Energy Sales within the License Area	MU	2664.58	6202.32	2664.58	5989.94	2932.26	6168.00
2.1	Energy Sales within the License Area to AG consumers during last quarter	MU	-	-	-	-	8973.79	
2.2	Excess Distribution Loss	MU	-	-	-	-	-	
2.3	ZFAC per kWh	Rs./ kWh	<b>(0.39)</b>	<b>(0.02)</b>	<b>(0.21)</b>	<b>0.20</b>	<b>(0.07)</b>	<b>0.18</b>
2.4	Cap at 20% of variable component of tariff	Rs./k Wh	NA	NA	NA	NA	NA	NA
2.5	FAC Charge allowable (Minimum of 2.3 and 2.4)	Rs./ kWh	<b>(0.39)</b>	<b>(0.02)</b>	<b>(0.21)</b>	<b>0.20</b>	<b>(0.07)</b>	<b>0.18</b>
3.0	<b>Recovery of FAC</b>							
3.1	Allowable FAC [(2.1 x 2.5)/10]	Rs. Crore	(103.57)	(12.75)	(54.65)	119.53	95.26	109.70
3.2	FAC disallowed corresponding to	Rs. Crore	-	-	-	-	-	-





S. No	Particulars	Units	Jan'18		Feb'18		Mar'18	
			Ag	Non-Ag	Ag	Non-Ag	Ag	Non-Ag
	excess Distribution Loss [(2.2 x 2.5)/10]							
4.0	<b>Total FAC based on category wise and slab wise allowed to be recovered</b>	<b>Rs. Crore</b>	<b>(103.57)</b>	<b>(12.75)</b>	<b>(54.65)</b>	<b>119.53</b>	<b>95.26</b>	<b>109.70</b>
5.0	Carried forward FAC for recovery during future period (1.4-3.2-4)	Rs. Crore	-	-	-	-	-	-

10.2 It can be seen from the above Table that standalone FAC for Non-Agriculture category during the months of January to March, 2018 is Rs. (12.75) Crore, Rs. 119.53 Crore and Rs. 109.70 Crore respectively. As the billing of the Non-Agriculture category has been done monthly, hence, based on total monthly energy sales, FAC per unit for Non-Agriculture category has been work out as Rs (0.02)/kWh, Rs 0.20/kWh and Rs 0.18/kWh for the months of January to March, 2018 respectively. Further, the Commission has computed the categories wise total FAC that has been levied by MSEDCL on the basis of actual sales provided by MSEDCL. The following Table shows the difference in FAC as claimed by MSEDCL and as approved by the Commission for Non-Ag category:

Month	Units	MSEDCL's claim	Approved by the Commission
		Non-Ag	Non-Ag
January, 2018	Rs. Crore	63.36	(12.75)
February, 2108	Rs. Crore	105.27	119.53
March, 2018	Rs. Crore	125.77	109.70
<b>Total</b>	<b>Rs. Crore</b>	<b>294.40</b>	<b>216.49</b>

10.3 From the Table above MSEDCL has to recover Rs. 216.49 Crore cumulatively in the Q4 of FY 2017-18, however, it has recovered Rs. 294.40 Crore. Hence, the Commission direct MSEDCL to refund the differential amount Rs. 77.91 Crore along with the interest in the next billing cycle.

10.4 The total FAC for Agriculture category during the months of January to March, 2018 is Rs. (103.57) Crore, Rs. (54.65) Crore and Rs. 95.26 Crore respectively. Based on total monthly energy sales for Agriculture category including un-metered sales, FAC per unit for Agriculture category has been work out as Rs (0.39)/kWh, Rs (0.21)/kWh and Rs 0.32/kWh for the months of January, February and March, 2018 respectively. Further, the as the billing for Agriculture consumers are done on a quarterly basis and the corresponding FAC for all the three months are levied in a last month for each quarter. Therefore, the Commission has considered the cumulative FAC and the cumulative sales during the respective quarter and accordingly computed the FAC per unit for Agriculture





category as Rs. (0.07)/kWh for the months of January to March, 2018 respectively to levied in the month of June, 2018. Further, as per MSEDCL methodology it was observed that, MSEDCL levy the FAC computed for Agriculture categories only in the last month of quarter, i.e., in March, 2018. The FAC computed for the month of January to March, 2018 remained un-levied although it has been computed. The following the Table shows the FAC for Agriculture category during the months of January to March, 2018:

Month	Units	MSEDCL's claim	Approved by the Commission
		Ag	Ag
January, 2018	Rs. Crore	(60.08)	(103.57)
February, 2018	Rs. Crore	13.15	(54.65)
March, 2018	Rs. Crore	113.66	95.26
<b>Total</b>	<b>Rs. Crore</b>	<b>66.73</b>	<b>(62.95)</b>

10.5 From the Table above, MSEDCL has to refund total FAC of Rs. 62.95 Crore to Agriculture consumers, further, as the billing for Agriculture consumers done in the month of March, 2018, i.e., last month of quarter, it was observed that MSEDCL has actually recovered Rs. 113.66 Crore. Therefore, the Commission directs MSEDCL to refund the differential of Rs. 176.61 Crore (Rs.-62.95 Cr- 113.66 Cr) in the next billing cycle along with applicable interest.

10.6 Considering the refund of Rs. 77.91 Crore with regards to Non-Agriculture category and refund of Rs. 176.61 Crore with regards to Agriculture category, the net impact of FAC stands at Rs. 254.52 Crore for Q4 of FY 2017-18.

10.7 Further, the Regulation 10.9 of MYT Regulations, 2015 specifies as;

*Provided that the monthly ZFAC shall not exceed 20% of the variable component of Tariff or such other ceiling as may be stipulated by the Commission from time to time:*

10.8 As the FAC per unit computed is already lower than the 20% cap specified in Regulation as shown in Table above, hence, there is no restriction triggered with regards to such ceiling for all the months of Q4 of FY 2017-18.

## 11 Recovery from Consumers:

11.1 Regulation 10.9 of MERC MYT Regulations, 2015 provides for methodology of recovery of FAC charge from each category of consumers. The relevant extract is reproduced as below.

*"10.9 The ZFAC per kWh for a particular Tariff category/sub-category/consumption slab shall be computed as per the following formula: —*

*ZFAC Cat (Rs/kWh) = [ZFAC / (Metered sales + Unmetered consumption estimates + Excess distribution losses)] \* k \* 10,*

*Where:*





ZFAC Cat = ZFAC component for a particular Tariff category/sub-category/consumption slab in 'Rupees per kWh' terms;

$k = \text{Average Billing Rate} / \text{ACOS}$ ;

Average Billing Rate = Average Billing Rate for a particular Tariff category/sub-category/consumption slab under consideration in 'Rupees per kWh' as approved by the Commission in the Tariff Order:

Provided that the Average Billing Rate for the unmetered consumers shall be based on the estimated sales to such consumers, computed in accordance with such methodology as may be stipulated by the Commission:

ACOS = Average Cost of Supply in 'Rupees per kWh' as approved for recovery by the Commission in the Tariff Order:

Provided that the monthly ZFAC shall not exceed 20% of the variable component of Tariff or such other ceiling as may be stipulated by the Commission from time to time:

Provided further that any under-recovery in the ZFAC on account of such ceiling shall be carried forward and shall be recovered by the Distribution Licensee over such future period as may be directed by the Commission....”

11.2 The Commission has worked out FAC per unit for each category of consumer based on the formula provided in the above Regulations. The Commission observed that there is an under recovery of ZFAC in absolute terms on considering category wise per unit FAC worked out and category wise actual sales for the month of January, 2018 to March, 2018.

11.3 The following table shows per unit ZFAC to be charged to the consumers of MSEDCL for the billing month of April, 2018 to June, 2018.

**Table A- Fuel Adjustment Charges for the Month of January, 2018 to March, 2018 to be levied in April, 2018 to June, 2018 respectively**

Sr. No.	Categories	ZFAC to be levied in billing month of Apr'2018 (Rs./kWh)	ZFAC to be levied in billing month of May'2018 (Rs./kWh)	ZFAC to be levied in billing month of Jun'2018 (Rs./kWh)
	<b>LT Category</b>			
<b>1</b>	<b>Domestic (LT-I)</b>			
A	BPL (0-30 Units)	0.02	0.04	0.06
B	Consumption > 30 Units per month			
I	1-100 Units	0.07	0.13	0.19
Ii	101-300 Units	0.12	0.22	0.33
Iii	301-500 Units	0.16	0.30	0.44
Iv	500-1000 Units	0.18	0.34	0.51





Sr. No.	Categories	ZFAC to be levied in billing month of Apr'2018 (Rs./kWh)	ZFAC to be levied in billing month of May'2018 (Rs./kWh)	ZFAC to be levied in billing month of Jun'2018 (Rs./kWh)
V	Above 1000 Units	0.20	0.37	0.55
<b>2</b>	<b>Non Domestic (LT-2)</b>			
A	0-20 KW			
A	0-200 Units	0.13	0.24	0.35
B	Above 200 units	0.16	0.30	0.45
B	>20-50 KW	0.19	0.35	0.51
C	>50 KW	0.22	0.41	0.61
<b>3</b>	<b>Public Water Works (LT-III)</b>			
A	0-20 KW	0.05	0.09	0.14
B	20-40 KW	0.07	0.13	0.19
C	above 40 kw	0.09	0.17	0.25
<b>4</b>	<b>Agriculture (LT-IV)</b>			
A	Unmetered Tariff			
1	AG unmetered Pump set			
	Zone 1			
	A) 0-5 HP	(5.37)	1.14	8.77
	B) HP -7.5 HP	(5.85)	1.24	9.56
	C) Above 7.5 HP	(6.13)	1.30	10.01
2	Zone 2			
	A) 0-5 HP	(2.26)	0.48	3.69
	B) HP -7.5 HP	(2.14)	0.45	3.49
	C) Above 7.5 HP	(2.67)	0.57	4.36
B	Metered Tariff (Pumpsets)	(0.25)	0.01	0.08
C	Metered Tariff (Other)	0.08	0.13	0.19
<b>5</b>	<b>LT Industries (LT-V)</b>			
A	Power Loom			
i	0-20 KW	0.08	0.15	0.22
ii	Above 20 KW	0.10	0.19	0.29
B	General			
i	0-20 KW	0.09	0.17	0.25
ii	Above 20 KW	0.13	0.24	0.36
<b>6</b>	<b>Street Light (LT-VI)</b>			
A	Grampanchayat A, B & C Class Municipal Council	0.08	0.15	0.22
B	Municipal corporation Area	0.10	0.18	0.27





Sr. No.	Categories	ZFAC to be levied in billing month of Apr'2018 (Rs./kWh)	ZFAC to be levied in billing month of May'2018 (Rs./kWh)	ZFAC to be levied in billing month of Jun'2018 (Rs./kWh)
<b>7</b>	<b>Temporary Connection (LT-VII)</b>			
A	Temporary Connection (Religious)	0.07	0.13	0.20
B	Temporary Connection (Other Purposes)	0.20	0.37	0.55
<b>8</b>	<b>Advertising and Hording (LT-VIII)</b>	0.25	0.47	0.70
<b>9</b>	<b>Crematorium &amp; Burial (LT-IX)</b>	0.07	0.12	0.18
<b>10</b>	<b>Public Services ( LT X)</b>			
<b>A</b>	<b>Government</b>			
a	0-20 kw			
i	0-200 units	0.12	0.22	0.33
ii	> 200 units	0.10	0.20	0.29
b	>20 -50 kw	0.15	0.28	0.41
c	>50 kw	0.15	0.28	0.41
<b>B</b>	<b>Others</b>			
a	0-20 KW			
i	0-200 Units	0.09	0.18	0.26
ii	Above 200 units	0.12	0.23	0.35
b	>20-50 KW	0.14	0.27	0.40
c	>50 KW	0.15	0.28	0.41

**Table B- Fuel Adjustment Charges for the Month of January, 2018 to March, 2018 to be levied in April, 2018 to June, 2018 respectively**

Sr. No.	Categories	ZFAC to be levied in billing month of Apr'2018 (Rs./kWh)	ZFAC to be levied in billing month of May'2018 (Rs./kWh)	ZFAC to be levied in billing month of Jun'2018 (Rs./kWh)
	<b>HT Category</b>			
<b>1</b>	<b>HT Category – EHV (66 kV &amp; Above)</b>			
A	HT I(A): HT - Industry (General)	0.11	0.21	0.32
B	HT I(B): HT - Industry (Seasonal)	0.00	0.30	0.45
C	HT II: HT – Commercial	0.18	0.34	0.51
D	HT III: HT - Railways/Metro/Monorail	0.13	0.24	0.35
E	HT IV: HT - Public Water Works (PWW)	0.10	0.18	0.26
F	HT V(A): HT - Agricultural – Pumpsets	0.06	0.11	0.16
G	HT V(B): Agricultural – Others	0.00	0.00	0.00





Sr. No.	Categories	ZFAC to be levied in billing month of Apr'2018 (Rs./kWh)	ZFAC to be levied in billing month of May'2018 (Rs./kWh)	ZFAC to be levied in billing month of Jun'2018 (Rs./kWh)
H	HT VI: HT - Group Housing Society (Residential)	0.00	0.00	0.00
I	HT VIII (A): HT - Temporary Supply Religious (TSR)	0.00	0.00	0.00
J	HT VIII(B): HT - Temporary Supply Others (TSO)	0.00	0.00	0.00
K	HT IX(A): HT - Public Services-Government	0.00	0.00	0.00
L	HT IX(B): HT - Public Services-Others	0.15	0.27	0.41
<b>2</b>	<b>HT Category –33 kV</b>			
A	HT I(A): HT - Industry (General)	0.12	0.21	0.32
B	HT I(B): HT - Industry (Seasonal)	0.16	0.30	0.45
C	HT II: HT – Commercial	0.18	0.33	0.49
D	HT III: HT - Railways/Metro/Monorail	0.12	0.23	0.33
E	HT IV: HT - Public Water Works (PWW)	0.09	0.17	0.24
F	HT V(A): HT - Agricultural – Pumpsets	0.05	0.10	0.14
G	HT V(B): Agricultural – Others	0.08	0.14	0.21
H	HT VI: HT - Group Housing Society (Residential)	0.10	0.18	0.27
I	HT VIII (A): HT - Temporary Supply Religious (TSR)	0.00	0.00	0.00
J	HT VIII(B): HT - Temporary Supply Others (TSO)	0.18	0.33	0.49
K	HT IX(A): HT - Public Services-Government	0.11	0.21	0.31
L	HT IX(B): HT - Public Services-Others	0.14	0.26	0.39
<b>3</b>	<b>HT Category –22 kV and 11 kV</b>			
A	HT I(A): HT - Industry (General)	0.13	0.23	0.35
B	HT I(B): HT - Industry (Seasonal)	0.17	0.32	0.48
C	HT II: HT – Commercial	0.19	0.35	0.52
D	HT III: HT - Railways/Metro/Monorail	0.13	0.24	0.36
E	HT IV: HT - Public Water Works (PWW)	0.10	0.18	0.27
F	HT V(A): HT - Agricultural – Pumpsets	0.06	0.12	0.17
G	HT V(B): Agricultural – Others	0.08	0.14	0.21
H	HT VI: HT - Group Housing Society (Residential)	0.11	0.20	0.30
I	HT VIII (A): HT - Temporary Supply Religious (TSR)	0.00	0.00	0.00
J	HT VIII(B): HT - Temporary Supply Others (TSO)	0.19	0.35	0.52
K	HT IX(A): HT - Public Services-Government	0.12	0.23	0.34
L	HT IX(B): HT - Public Services-Others	0.15	0.28	0.42

