



**SUKKUR ELECTRIC POWER COMPANY LIMITED**  
**OFFICE OF THE CHIEF EXECUTIVE OFFICER SUKKUR**

Phone: 071-9310795

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No: CEO/FD/CPC/2406-08

ADMIN BLOCK

THERMAL POWER STATIONS OLD SUKKUR

E-Mail: ceo\_sepco@yahoo.com

Dated: 13 /11 /2019

✓ The Registrar,  
National Electric Power Regulatory Authority,  
NEPRA Tower, Ataturk Avenue (East),  
Sector G-5/1,  
Islamabad.

Sub: **TARIFF PETITION FOR THE FY 2018-19 AND FY 2019-20 SUKKUR ELECTRIC POWER COMPANY LIMITED (LICENSE # 21/DL/2011).**

Ref' nce:- i) This office letter No. CEO/FD/CPC/2226-28 dated 30.08.2019.  
ii) This office letter No. FD/SEPCO/Budget/CP&C/2303-06 dated 06.09.2019.  
iii) Your letter No. NEPRA/R/TRF-100/SEPCO/18906 dated 09.10.2019.

The Consumer end Tariff Petition for the FY 2018-19 and FY 2019-20 in respect of SEPCO is resubmitted separately as for supply & distribution business in accordance with the Amended NEPRA Act 2018, for your consideration and approval by the Authority.

Encl: As above.

For information & n/a  
— DRO I / DRO II  
G. P. b.

— SA (Tech)

— SAT-II

— DG (MSE) — ADG (L-4)

— SLA

— MF

11/19

cc: Chairman

VC

M(T)

M(CA)

(SAEED AHMED DAWACH)  
CHIEF EXECUTIVE OFFICER

Copies to:

- Director General (Finance), PEPCO, Wapda House Lahore.
- Section Officer (Tariff), Ministry of Energy (Power Division), GOP, Islamabad.

REGISTRAR  
Dy. No. 11819  
Dated: 19-11-19



# SUKKUR ELECTRIC POWER COMPANY LIMITED

Phone: 071-9310808

Email: sepcobod@gmail.com

No. CS/SEPCO/BOD/ B-168/ 2126-38

OFFICE OF THE  
COMPANY SECRETARY  
BOD SEPCO HQ SUKKUR

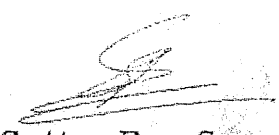
August 28, 2019

## SPECIAL RESOLUTION

**SUBJECT: TARIFF PETITION FOR FY 2018-19 & FY 2019-20 (MYT)**

Majority of SEPCO Board of Directors through circulation in writing on the above Agenda Item in terms of Article-66 of Memorandum and Articles of Association of the Companies Ordinance – 1984, is hereby conveyed as under, in the interest of SEPCO.

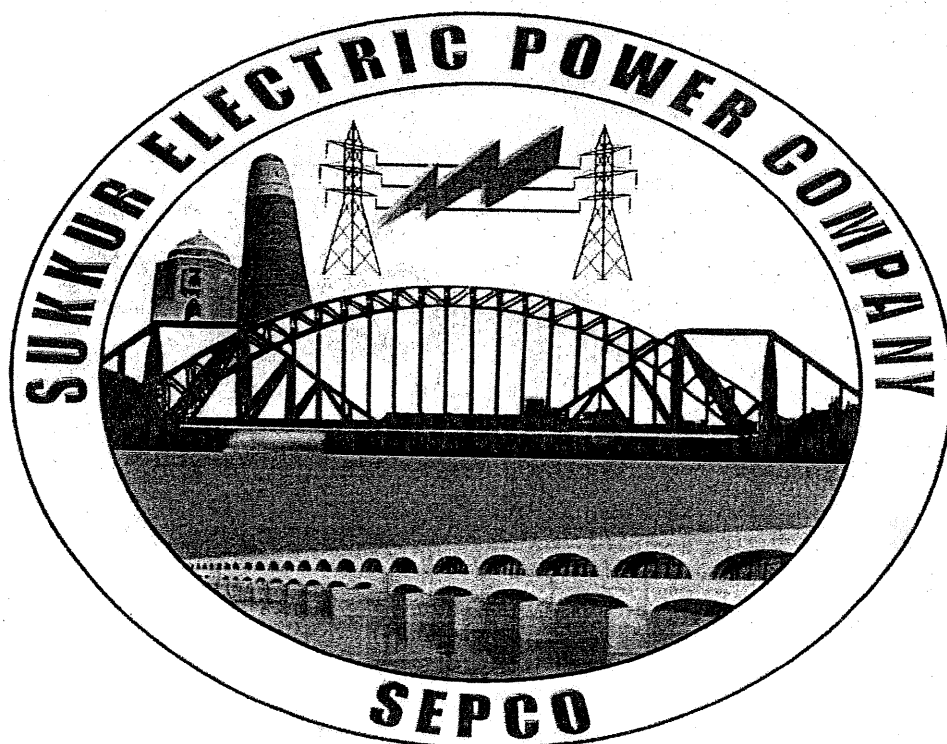
*“Board accorded approval for submission of Tariff Petition and review motion to NEPRA for FY 2018-19 & FY 2019-20 and to authorize Chief Executive Officer or his representative on behalf of SEPCO before NEPRA for determination of Consumer-End-Tariff of SEPCO”.*

  
(Sattar Bux Soomro)  
Company Secretary

**Copy to the: -**

1. Chairman, BoD SEPCO.
2. All Members, BoD SEPCO.
3. All Chief Engineers under SEPCO.
4. Finance Director SEPCO.
5. Manager (Internal Audit) SEPCO.
6. Master File.

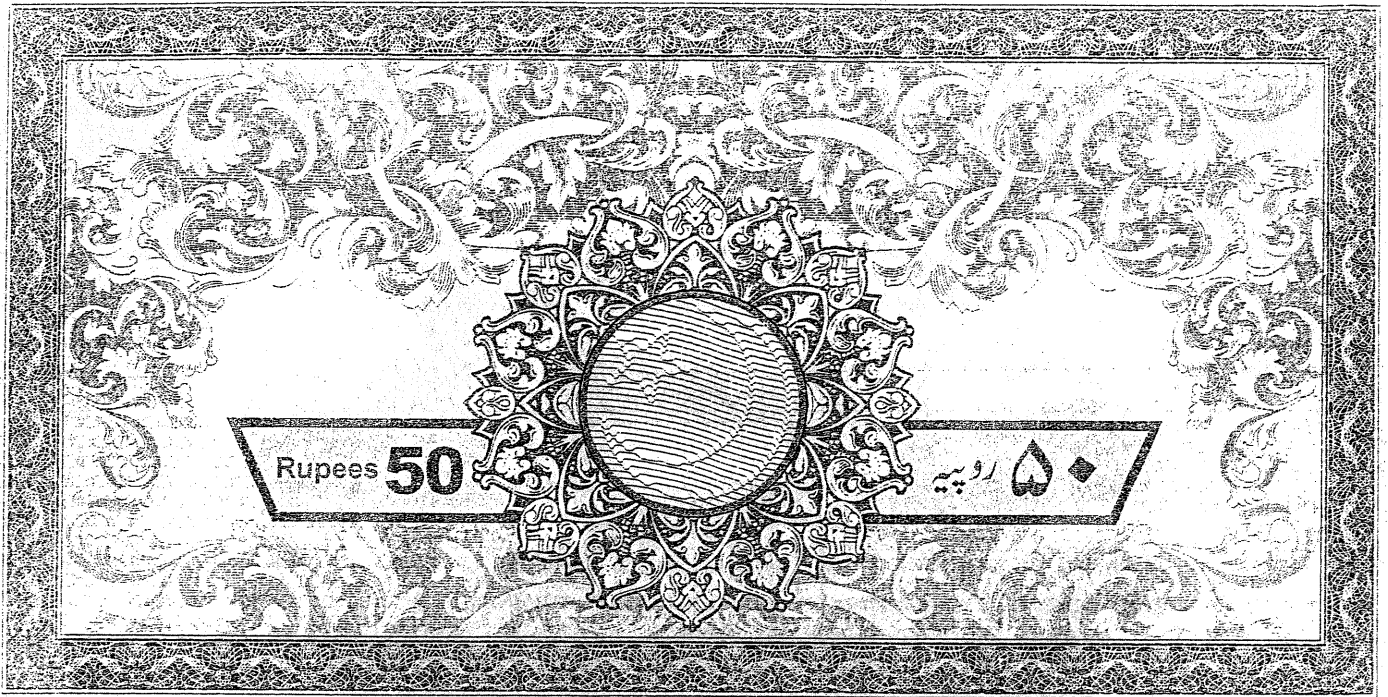
# SUKKUR ELECTRIC POWER COMPANY



**Distribution License  
No. 21/DL/2011**

**TARIFF PETITION  
FOR SUPPLY BUSINESS  
FOR THE FY 2018-19 & FY 2019-20**

**13<sup>th</sup> November, 2019**



Chief executive officer sepc sm. q. Parvaiz

879  
13/11/19

Al Razak Bhatti  
Lamp Vendor  
11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000

## AFFIDAVIT

I, Saeed Ahmed Dawach, Chief Executive officer, Sukkur Electric Power Company Limited, (Distribution Licence # 21/DL/2011) being duly authorized representative / attorney of Sukkur Electric Power Company Limited, hereby solemnly affirm and declare that the contents of the accompanying petition / application for supply business submitted / filed vide letter No. CEO/FD/CPC/2406-08 dated 13<sup>th</sup> November, 2019, related to FY 2018-19 and FY 2019-20, including all supporting documents are true and correct to the best of my knowledge and belief and that nothing has been concealed. I also affirm that all further documentation and information to be provided by me in connection with the accompanying petition shall be true to the best of my knowledge and belief.

DEPONENT

(SAEED AHMED DAWACH)  
CHIEF EXECUTIVE OFFICER

signature  
attested  
12/11/2019  
ADVOCATE  
in Sukkur





## **TARIFF PETITION**

### **1. PETITION SUMMARY**

#### **1.1 Details of the Petitioner:**

##### **1.1.1 Name and Address:**

Sukkur Electric Power Company Limited (hereinafter referred to as SEPCO)  
Thermal Power Station, Old Sukkur, Sukkur.

##### **1.1.2 Representatives of SEPCO:**

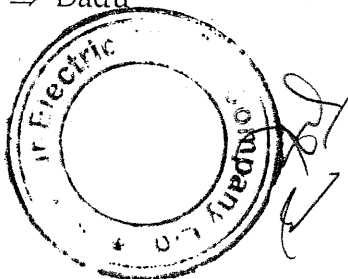
Mr. Saeed Ahmed Dawach	Chief Executive Officer.
Mr. Khalid Memon	Chief Technical Officer.
Mr. Zaheer Ahmed Khawaja	Chief Commercial Officer.
Mr. Imdad Ali Mirani	Finance Director.

##### **1.1.3 Overview:**

- SEPCO has filed Tariff Petition for the FY 2018-19 & FY 2019-20 vide letter No. CEO/ FD/ CPC/226-28 dated 30-08-2019 & subsequently Addendum was filed vide letter No. FD/SEPCO/Budget/CP&C/2303-06 dated 06-09-2019.
- The Authority has considered the SEPCO Tariff Petition for the FY 2018-19 & FY 2019-20 and observed that the Tariff Petition filed by SEPCO is not in accordance with the Amended NEPRA Act 2018 whereby Tariff petition for Supply and Distribution business have to be filed separately vide NEPRA's letter No. NEPRA/R/TRF-100/SEPCO/18906 dated 09-10-2019.
- In view of above SEPCO is resubmitting the Consumer end Tariff Petition Supply Business for the FY 2018-19 and FY 2019-20 in accordance with the Amended NEPRA Act 2018.
- SUKKUR ELECTRIC POWER COMPANY LIMITED (SEPCO) is a licensed public limited company providing utility service to distribute and supply electricity to the area of Sukkur Electric Power Company Limited, as set out in SEPCO's license, granted by NEPRA under the NEPRA Act.

The Distribution System of the SEPCO consists of three operation circles namely:

- ⇒ Sukkur
- ⇒ Larkana
- ⇒ Dadu





## 2.1 Tariff Methodology:

### 2.1.1 SEPCO's Margin:

The formula calculates SEPCO's distribution margin based on projected unit sales, operating expenses, depreciation, investment and return on investment (cost of capital). Generation and transmission costs are treated as pass-through. The formula determines revenues for the period of the tariff control period. Revisions may be made to revenues within that period if actual inflation is different from forecast. The profits or losses that arise from changes in efficiency or demand would, however, be retained by SEPCO for the duration of the revenue control period.

At the end of the period, the formula would be reapplied to determine the distribution margin for each quarter period in the subsequent period of control. Operating expenditures will be subject to an efficiency requirement so that SEPCO will be required to ensure that its increase in costs is below the rate of inflation by an efficiency factor (X) to be determined by NEPRA.

Under the proposed tariff-setting methodology, the average retail tariff would consist of

(i) Power Purchase Price (PPP) adjusted on T&D Losses and (ii) Average Distribution Margin, which would be set on the formula-based methodology of NEPRA (iii) Prior Year Adjustment.

### 2.1.2 Power Purchase Price (PPP):

Sukkur Electric Power Company Limited pay a Power Purchase Price Rs.12.04/kWh for the F.Y 2018-19 and for FY 2019-20 CPPA-G vide their email dated 05-09-2019 regarding Power Purchase forecast carried out by CPPA-(G) on the multiple scenarios that have been projected upon the Demand and Transmission Constraints with two scenarios for allocation of EPP and CPP to Distribution Companies i) Power Purchase Cost (With Transmission Constraints) (Actual) ii) Power Purchase Cost (With Transmission Constraints) (PMS). This Power Purchase Price, adjusted for SEPCO's Transmission and distribution losses, would then be simply added to SEPCO's overall distribution margin to workout the retail tariffs. Thus, the cost of the purchased electricity would be "passed through" to consumers through the retail tariff, including SEPCO's distribution margin.

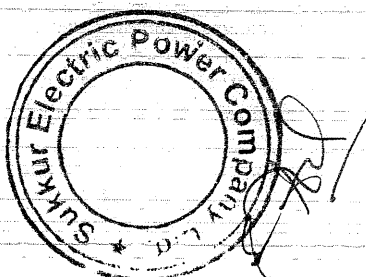
While passing through the PPP, it is recognized that distribution companies experience some level of T & D losses, defined as the percentage of the difference between the units received by the Company and the units invoiced to the consumers. The PPP should thus be adjusted such that SEPCO would be compensated for some losses, without hindering the incentive to eliminate the total losses.

$$\text{Adjusted PPP} = \frac{\text{PPP}}{1 - L}$$

Where:

- PPP is the actual cost of electricity supply per unit charged by CPPA or any other source at any given time;
- 1-L is the Transmission and distribution losses defined as a percentage of purchased units, in accordance with a schedule established for the control period.

The schedule of T&D losses set for FY 2019-20 is 35.02% reduce 2.0% from the last year FY 2018-19 actual 36.97%.





## Tariff Petition Supply Business FY 2018-19 & FY 2019-20 (MYT)

### 2.2 Distribution Margin Formula:

The average Distribution Margin (DM) for the FY 2019-20 is based on the following formula, keeping in view of the actual results for the FY 2018-19, where ever required.

$$\text{Avg. D.Margin} = \frac{\text{O\&M} + \text{Provision for Bad Debts} + \text{Depreciation} + \text{RORB} - (\text{Other income})}{\text{Total Estimated Unit Sales}}$$

Where:

O&M is the expected operating and maintenance cost per kWh, which includes the estimated cost of technical service and repair, necessary materials for operation, salary, mandatory social insurance payments, administration, management and other operating costs related to SEPCO's distribution and supply business. The O&M component for the FY 2018-19 & FY 2019-20 is estimated on the basis of inflation adjustments to SEPCO's operating expenses from the latest available data for FY 2017-18.

#### 2.2.1 Provision for Bad Debts:

The socio-economic condition of the consumers of SEPCO's area of service is very poor. The capability of payment utility bills is weak. The overall recovery position of consumer end-tariff of SEPCO is as under:-

Period	Billing [Rs. In M]	Collection [Rs. In M]	%age of Collection
FY 2018-19	47,570	30,887	65%
FY 2017-18	41,478	24,798	60%
Inc/Dec:	6,092	6,089	5%

The age wise Consumers receivables as on 30<sup>th</sup> June, 2019 is as under:-

		[Rs. In M]	
		Actual	Provisional
		for ending 30th June, 2019	for ending 30th June, 2020
Aging of Accounts Receivables as on 30 <sup>th</sup> June			
Outstanding for current year	Rs In Million	4,276	3,663
Outstanding for more than 1 year	Rs In Million	5,905	5,524
Outstanding for more than 2 years	Rs In Million	3,955	4,887
Outstanding for more than 3 years	Rs In Million	4,817	5,213
Outstanding for more than 4 years	Rs In Million	4,447	4,335
Outstanding for more than 5 years	Rs In Million	83,542	81,821
Total Receivables as on June 30	Rs In Million	106,943	105,443

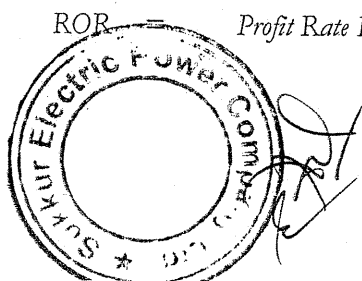
#### 2.2.2 Depreciation:

The depreciation of assets is provided in accordance with the accounting policy of the Company.

#### 2.2.3 Average Rate of Return (ROR):

The return on investment on the (cost of capital) will be calculated as follows:

$$\text{ROR} = \text{Profit Rate Base} \times \text{Rate of Return}$$





Where:

**Profit Rate Base** is defined for the FY 2018-19 & 2019-20 as the sum of (i) Gross Fixed Assets in Operation beginning of the year (ii) The capital expenditures for the year (New Investments), in accordance with the proposed investment programme (iii.) Less Cumulative Depreciation (iv) Plus Closing Capital Work in Progress (v) Less: Differed Credit.

**Annual Rate of Return** is a pre-tax return on the Profit Rate Base. Because the investment is typically financed with a combination of debt equity, the appropriate rate of return would be a market-based weighed average of the cost of capital

- 2.2.4 **Total Estimated Unit Sales** a schedule of the total unit sales (in kWh) of SEPCO across all customer categories is forecast for the FY 2018-19 & 2019-20. This forecast is used to determine the average distribution margin for supply business per unit for the F.Y 2019-20 Rs.0.24/kWh needed to cover the revenue requirement expected for the year.

2.3 **Consumer-end Tariff-Setting:**

During the projected year, Company's tariff is revised so that total margin is recovered from customers, as per following format.

**Consumer-end Tariff=Adjusted PPP+ Distribution Margin**

The PPP is the power purchase price. It reflects the amount paid by SEPCO to CPPA and may also be termed the CPPA transfer price. Since it is difficult to estimate future PPP with precision, we have assumed PPP according to last year actual average per unit. In the absence of customer load data, we cannot calculate marginal generation costs; therefore, PPP cost has been averaged across all units sold by SEPCO

2.4 **Revision of Consumer End Tariffs:**

Based on the methodology discussed above, possible quarterly adjustments to consumer end tariffs within a re-base or revenue control period are strictly limited to the following items:

**Scheduled Change in Tariff:**

The retail tariff may be revised monthly, quarterly, semi-annually as the case may be, to ensure required revenue due to changes in the basic assumptions formulating tariff design.

2.6 **Changes in PPP:**

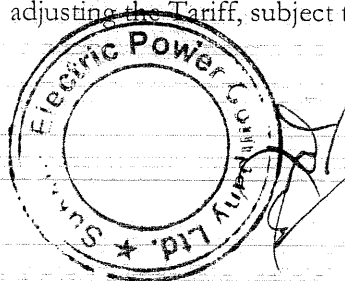
At any point in time, any changes in the Power Purchase Price (e.g. due to fuel cost adjustments) would result in a corresponding change in retail tariffs (i.e., the change would be passed through immediately) on monthly basis.

2.7 **Inflation Adjustments:**

The O&M component of the distribution margin is adjusted for expected inflation of control period.

2.8 **Extraordinary Adjustments:**

Any justified losses and/or additional expenses incurred by SEPCO due to changes in legislation month tariff adjustment determined but not notified, legal acts, technical regulation, or other special events that are beyond its control would be reimbursed by adjusting the Tariff, subject to NEPRA's approval:





### 3. CALCULATING SEPCO'S REVENUE REQUIREMENT:

#### 3.1 Trends in Customers Numbers and Consumptions:

It is observed that domestic and life line consumers dominated the consumers number in SEPCO as per Annex-I. The subsidized categories generally outpaced others, which has been a major pressure on the tariffs.

The increase in domestic consumption relative to industrial consumption i.e. sales mix is poor indicative for SEPCO's revenues and profitability. Meanwhile, industrial customers (the most profitable for SEPCO, as they are more economical to serve) are reducing their consumption (by installing captive generation) resulting in lower revenues for the Company.

#### 3.2 Calculating SEPCO's Revenue Requirement:

Based on the tariff methodology described in the previous section, the average tariff for fiscal year F.Y 2019-20 has been calculated using the following parameters:

##### 3.3.1 Total Unit Sales:

Unit Sales for FY 2018-19 is actual & FY 2019-20 is projected keeping in view the availability of electricity in the system and reduction in T&D Losses by (2.0) % from the last year actual losses i.e. 36.97%. The quarterly sales volume is actual & projected considering the seasonal effect keeping the overall target.

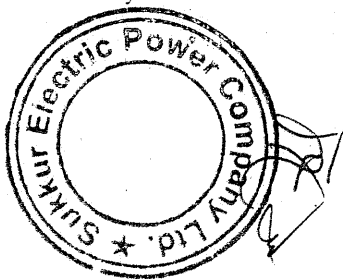
Description	FY 2018-19						
	Unit	1 <sup>st</sup> Qtr.	2 <sup>nd</sup> Qtr.	3 <sup>rd</sup> Qtr.	4 <sup>th</sup> Qtr.	Total	Growth Rate %age
Units Purchase	Mkwh	1,580.49	873.96	632.56	1,324.63	4,412	0.94
Units Sold	Mkwh	906.49	625.56	450.67	797.98	2,781	1.00
T&D Losses	%age	42.65%	28.42%	28.75%	39.76%	36.97%	0.30

Description	FY 2019-20						
	Unit	1 <sup>st</sup> Qtr.	2 <sup>nd</sup> Qtr.	3 <sup>rd</sup> Qtr.	4 <sup>th</sup> Qtr.	Total	Growth Rate %age
Units Purchase	Mkwh	1,796	960	919	1,515	5,190	1.18
Units Sold	Mkwh	1,097	742	535	999	3,373	1.21
T&D Losses	%age	38.91%	22.66%	41.83%	34.10%	35.02%	0.02-

The detail of category wise projected sales volume is as per Table-I.

##### 3.3.2 Projected Transmission and Distribution Losses:

The T&D Losses for the FY 2019-20 are projected 35.02% i.e. decreasing of 2.0 % against the last year actual losses 36.97%. The month wise losses are projected as per Annex-II





**3.3.3 Power Purchase Price (PPP):**

The PPP for the FY 2019-20 i.e. Rs.12.04/kwh is based on the actual power purchase price for the FY 2018-19 and adjusted Rs. 18.53/kWh FY 2019-20. Any change in the fuel price adjustment of PPP will be adjusted on Monthly basis of its energy charges components, capacity and use of system charges will be adjusted on quarterly / Semi-annually basis that is treated as pass through items to the ultimate consumers.

**3.3.4 Inflation:**

The CPI is expected to increase annually by the historical average inflation rate of 9%.

**3.3.5 O&M COST:**

Based on inflation adjustments to SEPCO'S operating expenses from the latest available provisional / Un-Audited data FY 2018-19 and 10% increase in Salaries & Allowances in the FY 2019-20. The O&M per unit has been projected at around Rs0.15/Kwh in the following major heads.

**3.3.5 Pay and Allowances:**

The pay and allowances includes salaries of regular and contract employees, wages of daily wages, which includes all benefits such as house rent and acquisitions allowances, medical allowances and facilities, free electricity and pension contribution. Considering the impact of increase in salaries annual increment e.t.c. by the Govt: as per the finance bill.

- **Repair and Maintenance:**

The repair and maintenance expenditures pertain to the Computers and Equipments.

- **Travelling Allowance:**

The travelling expenses for daily movement from allied formation to all bank branched and collect the scroll from banks and submit to MIS Directorate.

- **Transportation Charges:**

The transportation charges include repair and maintenance of vehicles, POL and annual renewal of registration fees.

- **Other Miscellaneous Expenditures:**

Other miscellaneous expenditures, includes repair of furniture and office equipment, stationery and Photostat charges, postage and telecommunications.

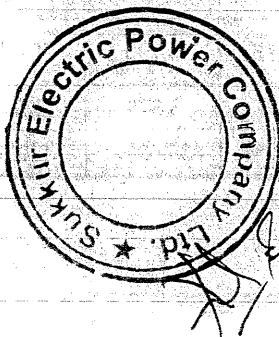


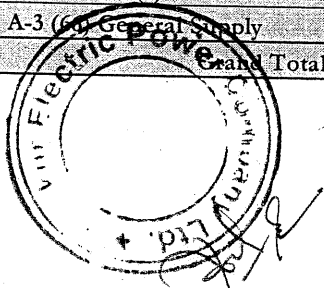


Table-1

**CATEGORY WISE SALES VOLUME PROJECTED**

GWH

Description	Unit Sale	Unit Sale	Unit Sale
	FY 2017-18 (Actual)	FY 2018-19 (Actual)	FY 2019-20 (Projected)
<b>Residential</b>			
Up to 50 Units	53.38	39.35	42.60
For peak load requirement up to 5 kW	-	-	-
01-100 Units	474.76	597.01	646.28
101-200 Units	376.87	419.64	454.27
201-300 Units	358.90	329.26	356.43
301-700 Units	271.25	187.75	203.24
Above 700 Units	144.31	28.47	30.82
<b>E-1 (I)</b>	0.00	0.01	0.01
For peak load requirement exceeding 5 kW	-	-	-
Time of Use (TOU) - Peak	5.91	1.80	1.95
Time of Use (TOU) - Off-Peak	74.05	9.47	10.25
<b>Commercial - A2</b>	70.52	67.31	72.87
For peak load requirement up to 5 kW			
Regular	17.23	12.62	13.67
Time of Use (TOU) - Peak (A-2)	20.00	21.21	22.96
Time of Use (TOU) - Off-Peak	111.06	102.91	111.40
<b>Industrial</b>			
B1	22.38	14.55	15.75
B1 - TOU (Peak)	8.78	6.38	6.91
B21- TOU (Off-peak)	102.47	63.86	69.13
B2	28.43	24.10	26.08
B2 - TOU (Peak)	31.71	32.76	35.46
B2 - TOU (Off-peak)	221.51	224.21	242.71
B3 - TOU (Peak)	4.25	4.41	4.77
B3 - TOU (Off-peak)	23.10	23.76	25.72
B4 - TOU (Peak)	3.13	2.61	2.83
B4 - TOU (Off-peak)	18.74	16.95	18.35
<b>TMP E-2 (I)</b>	1.57	1.30	1.41
<b>Bulk</b>			
C1(a) Supply at 400 Volts - up to 5 kW	4.59	3.96	4.28
C1(b) Supply at 400 Volts -exceeding 5 kW	36.53	32.26	34.92
C1(c) Time of Use (TOU) - Peak	6.04	5.92	6.41
C1(c) Time of Use (TOU) - Off-Peak	34.81	36.11	39.10
C2 Supply at 11 kV	13.08	12.93	13.99
Time of Use (TOU) - Peak	13.44	13.90	15.04
Time of Use (TOU) - Off-Peak	69.50	71.17	77.04
<b>Agricultural Tube-wells - Tariff D</b>	-	-	-
D1 Scarp	98.29	7.99	8.65
Time of Use (TOU) - Peak D-1	13.19	32.47	31.52
Time of Use (TOU) - Off-Peak D1	109.36	48.84	52.87
D2 Agricultural Tube-wells	21.48	16.40	17.76
Time of Use (TOU) - Peak D-2	2.47	1.43	3.39
Time of Use (TOU) - Off-Peak D2	2.85	2.16	2.34
<b>Public Lighting G</b>	27.29	19.15	20.73
<b>Colonies H (I)</b>	1.42	1.28	1.38
<b>A-3 (60 General Supply</b>	66.79	244.47	264.64
<b>Grand Total</b>	<b>2,963.00</b>	<b>2,780.70</b>	<b>3,372.73</b>







## Tariff Petition Supply Business FY 2018-19 & FY 2019-20 (MYT)

### 3.3.6 Average Rate of Return (ROR):

Average ROR is kept at 13.25% as cost of capital as allowed by NEPRA for the FY 2017-18.

$$\begin{aligned} K_e &= R_F + (R_M - R_F) \times \beta \\ &= 8.9652\% + (7\% \times 1.1) \\ &= 16.67\% \end{aligned}$$

The cost of debts ;kd = 9.76%

$$WACC = [K_e \times (E/V)] + [k_d \times (D/V)]$$

Where E/V and D/V are equity and debt ratio respectively taken as 30% & 70%.

### 3.3.9 Distribution Margin for Supply Business:

The sum of the O&M, Depreciation, and provision for bad debt and ROR less Amortization and Other Income result in SEPCO's distribution revenue is divided by the total estimated unit's sales yields the average distribution margin Rs.0.24/Kwh worked out as under:

Sr. No.	Description	FY 2018-19	FY 2019-20
1	Return on Net Fixed Assets in Operation (RRB * Profit Rate Base) @11.83% FY 2018-19 & @ 21.59% FY 2019-20	51	63
2	O&M (Million Rs.)	454	500
3	Depreciation (Million Rs.)	12	13
4	Provision for bad debts (Million Rs.)	118	146
5	Other Income (Million Rs.)	435	96
6	Distribution Margin Cost (Million Rs.)	1,070	818
7	Sales Volume (Gwh)	19.11	19.98
8	Average Distribution Margin (6/7) Rs./Kwh	0.38	0.24

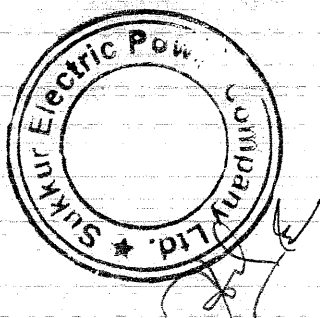
### 3.4 Tariff FY 2018-19 & FY 2019-20:

The Tariff based on the methodology discussed above comes to FY 2018-19 Rs.19.49/Kwh and FY 2019-20 Rs.20.22/kWh detail working as per Table-2.

### 3.5 Estimated Sales Revenue for the FY 2019-20:

Estimated Sales Revenue on the basis of proposed Tariff for the FY 2018-19 & FY 2019-20 is as under.

Description	Unit	FY 2019-20
Energy Charges	Rs. In M	37,189
Capacity Charges	Rs. In M	28,043
Transmission Charges	Rs. In M	2,121
Market Operation Fee	Rs. In M	18
Power Purchase Cost	Rs. In M	67,372
Distribution Margin Net	Rs. In M	818
Total	Rs. In M	68,189





## Tariff Petition FY 2018-19 & FY 2019-20 (MYT) Supply Business

### 3.6 Comparison of Current Tariff and Proposed Tariff FY 2019-20:

The Category wise comparison of determined Tariff and Proposed Tariff FY 2019-20 is as Annex-III.

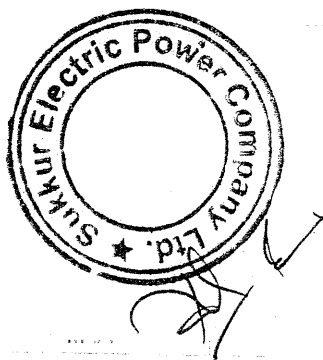
### 4. SUMMARY OF EVIDENCE:

The Financial Projection of the Company on the basis of proposed Tariff is as under:

(Quantitative DATA)

Projected	Units	Provisional	Projected
		FY 2018-19	FY 2019-20
Units Purchase	Gwh	4,412	5,190
Units Sold	Gwh	2,780.70	3,372.73
Losses	%age	36.97%	35.02%
Average PPP (Un-adjusted)	Rs./Kwh	12.04	12.98
Average Sale Rate	Rs./Kwh	19.49	20.22

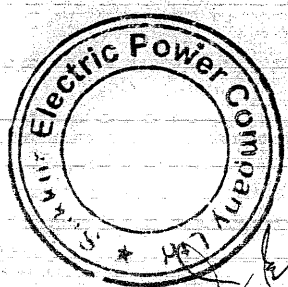
In support of the Petition following financial as well commercial calculations are submitted for consideration of the Authority.





**SEPCO'S REVENUE REQUIREMENT**

Sr. No.	Description	Unit	NEPRA Determination FY 2017-18	Provisional FY 2018-19	Projection FY 2019-20 (With Transmission Constraints) PMS
i	Units Purchased	MKwh		4,412	5,190
ii	Unit Sales	MKwh		2,780.70	3,372.73
iii	Losses	%age		36.97%	35.02%
iv.	PPP (Un-adjusted)	Rs./Kwh		12.04	12.98
v	PPP (adjusted)	Rs./Kwh		19.11	19.98
	Regulatory Assets Base (RAB)				
	Gross Fixed Assets in Operation				
1	Opening Fixed Asset in operation	Mln.Rs.		50	52
2	Transferred during the year	Mln.Rs.		1	1
3	Closing Fixed Assets in operation (1+2)	Mln.Rs.		52	53
4	Less : Cumulative Depreciation	Mln.Rs.		12	13
5	Net Fixed Assets in Operation (3-4)	Mln.Rs.		40	40
6	Closing Capital Work in Progress	Mln.Rs.		393	436
7	Total Assets (5+6)	Mln.Rs.	N.A	432	476
8	Deferred Credit	Mln.Rs.		-	-
9	Regulatory Rate Base (7-8)	Mln.Rs.		432	476
10	<b>Average ROR</b>	Mln.Rs.		432	476
	<b>Distribution Revenue:</b>				
11	Return on Net Fixed Assets in Operation (RRB * Profit Rate Base)	Mln.Rs.		51	63
12	O&M (Million Rs.)	Mln.Rs.		454	500
13	Depreciation	Mln.Rs.		12	13
14	Provision for bad debts	Mln.Rs.		118	146
15	Other Income	Mln.Rs.		435	96
16	Distribution Margin Cost	Mln.Rs.		1,070	818
17	PPP (Adjusted)	Rs./Kwh		19.11	19.98
18	Distribution Margin (16/ii)	Rs./Kwh		0.38	0.24
19	Net Average Sales Tariff	Rs./Kwh		19.49	20.22
20	Distribution Margin %age of Av: sale rate	%age		1.97%	1.20%





**5. TARIFF DESIGN / ELIMINATION OF CROSS-SUBSIDIES:**

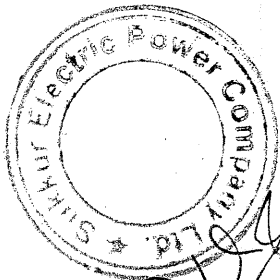
As indicated in the preceding paragraphs, industrial customers that are paying in excess of their cost of service are effectively subsidizing domestic customers, thus encouraging such customers to bypass distribution network through the installation of captive generation. Many domestic customers can not afford what would amount to a doubling of tariffs. We therefore propose the consumer category wise tariff considering the following:

- (a) SEPCO is design the category wise tariff in such a way that life line consumers be kept at minimum for reducing to burden of higher tariff on poor consumers as per policy of Govt.
- (b) The cross subsidy will be reduced over a period of proportionately for improving the efficiency of the Company.

**6. PRAY:**

**• Consumer End Tariff:**

It is prayed that the average tariff rate @ Rs.20.22/KWh for the FY 2019-20, category wise w.e.f 1<sup>st</sup> July, 2018 may be allowed.





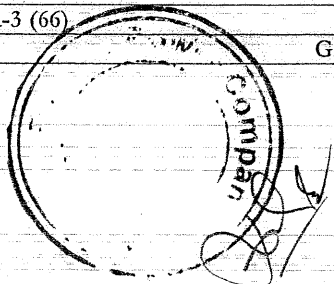
# Tariff Petition FY 2018-19 & FY 2019-20 (MYT) Supply Business

## Annex-I

### DEMAND ANALYSIS

#### DEMAND FORECAST-SUKKUR ELECTRIC POWER COMPANY LTD.

Description	No of Consumers FY 2018-19	No of Consumers FY 2019-20	Unit Sale FY 2018-19 (Projected)	Unit Sale FY 2019-20 (Projected)
<b>Residential</b>				
Up to 50 Units	196,126	204,787	39.35	42.60
For peak load requirement up to 5 kW				
01-100 Units	172,776	190,054	597.01	646.28
101-200 Units	177,447	84,536	419.64	454.27
201-300 Units	49,621	70,084	329.26	356.43
301-700 Units	15,442	69,586	187.75	203.24
Above 700 Units	4,771	22,980	28.47	30.82
E-1 (1)	5	2	0.01	0.01
For peak load requirement exceeding 5 kW				
Time of Use (TOU) - Peak	3,034	0	1.80	1.95
Time of Use (TOU) - Off-Peak	0	1856	9.47	10.25
<b>Total Residential</b>	<b>619,222</b>	<b>643,885</b>	<b>1,612.76</b>	<b>1,745.86</b>
<b>Commercial - A2</b>				
For peak load requirement up to 5 kW				
Commercial -a2	113,525	117,691	67.31	72.87
For peak load requirement exceeding 5 kW				
Regular	369	0	12.62	22.96
Time of Use (TOU) - Peak (A-2)	3,171	3,819	21.21	111.40
Time of Use (TOU) - Off-Peak (Temp)	0	0	102.91	
<b>Total Commercial</b>	<b>117,065</b>	<b>121,776</b>	<b>204.05</b>	<b>220.89</b>
<b>Industrial</b>				
B1	4,571	4,098	14.55	15.75
B1 - TOU (Peak)	5,058	5,553	6.38	6.91
B21- TOU (Off-peak)	0	0	63.86	69.13
B2	852	704	24.10	26.08
B2 - TOU (Peak)	1,893	0	32.76	35.46
B2 - TOU (Off-peak)	0	2,523	224.21	242.71
B3 - TOU (Peak)	6	0	4.41	4.77
B3 - TOU (Off-peak)	14	34	23.76	25.72
B4 - TOU (Peak)	2	0	2.61	2.83
B4 - TOU (Off-peak)	0	2	16.95	18.35
TMP E-2 (1)	9	16	1.30	1.41
<b>Total Industrial</b>	<b>12,405</b>	<b>12,930</b>	<b>414.88</b>	<b>449.12</b>
<b>Bulk</b>				
C1(a) Supply at 400 Volts - up to 5 kW	186	184	3.96	4.28
C1(b) Supply at 400 Volts -exceeding 5 kW	184	169	32.26	34.92
C1(c) Time of Use (TOU) - Peak	114	0	5.92	6.41
C1(c) Time of Use (TOU) - Off-Peak	0	145	36.11	39.10
C2 Supply at 11 kV	10	16	12.93	13.99
Time of Use (TOU) - Peak	10	0	13.90	15.04
Time of Use (TOU) - Off-Peak	0	13	71.17	77.04
<b>Total Single Point Supply</b>	<b>504</b>	<b>527</b>	<b>176.24</b>	<b>190.78</b>
<b>Agricultural Tube-wells - Tariff D</b>				
D1 Scarp	5,165	2,127	7.99	8.65
Time of Use (TOU) - Peak D-1	3,557	2,877	32.47	31.17
Time of Use (TOU) - Off-Peak D1	0	0	48.84	52.87
D2 Agricultural Tube-wells	3,052	38	16.40	17.76
Time of Use (TOU) - Peak D-1 b	729	524	2.16	3.39
Time of Use (TOU) - Off-Peak D1 b	0	3704	2.16	2.34
<b>Total Agricultural</b>	<b>12,503</b>	<b>9,270</b>	<b>107.86</b>	<b>120.16</b>
Public Lighting G	414	425	19.15	20.73
Residential Colonies H	19	19	1.28	1.38
<b>Total</b>	<b>433</b>	<b>444</b>	<b>20.43</b>	<b>22.11</b>
A-3 (66)	12,091	13300	244.47	264.64
<b>Grand Total</b>	<b>762,132</b>	<b>802,132</b>	<b>2,780.70</b>	<b>3,372.73</b>



## FORM - 1

## SUKKUR ELECTRIC POWER COMPANY

## Company Statistics

Description	Unit	FY 2018-19	FY 2019-20
		Provisional	Projected
Number of Consumers	Nos.	762132	802132
Area	Sq. K.M	56300	56300
Circles	Nos.	7	7
Divisions	Nos.	29	30
Sub Divisions	Nos.	96	97
Length of Feeders	KM		
Average Length of Feeders	KM.		
Maximum Length of Feeder	KM		
Minimum Length of Feeder	KM		
New connections	Nos.	16,824	40,000
Length of High Voltage Transmission lines (132 kV)	KM		
Length of High Voltage Transmission lines (66 kV)	KM		
Length of STG lines (66 and 11 kV)	KM		
Length of Low Voltage Distribution lines (400 V)	KM		
Number of HV transformers	Nos.		
Number of <b>burned down</b> HV transformers	Nos.		
Number of STG transformers	Nos.		
Number of <b>burned down</b> STG transformers	Nos.		
Number of LV transformers	Nos.		
Number of <b>burned down</b> LV transformers	Nos.		

		Strength (No.)		Cost (Rs. in M)	
		FY 2018-19	FY 2019-20	FY 2018-19	FY 2019-20
		Actual	Projected	Projected	Projected
<b>Number of Employees</b>					
A	<b>Qualified Professionals</b>				
	Engineers	17	17	250	275
	Others	17	17	250	275
B	<b>Staff</b>	926	906	204	224
	Technical	412	390	91	99
	Clerical	402	378	89	96
	Non Technical	112	103	25	29

FORM - 2

**SUKKUR ELECTRIC POWER COMPANY****Profit & Loss Statement**

		FY 2017-18	FY 2018-19	FY 2019-20
		Determined	Provisional	Projected
<b>Power Balances</b>				
Units Received	[MkWh]		4,412	5,190
Units Lost	[MkWh]		1,631	1,817
Units Lost	[%age]		36.97%	35.02%
Units Sold	[MkWh]		2,781	3,373
<b>Revenue</b>				
Sales Revenue	[Mln Rs]		33,688	44,341
Subsidy	[Mln Rs]		18,118	23,848
Fuel Price Adjustment	[Mln Rs]			
<b>Total Sales Revenue</b>	[Mln Rs]		<b>51,807</b>	<b>68,189</b>
Rental & Service Income	[Mln Rs]		1,262	1,925
Amortization of Def Credits	[Mln Rs]		440	494
Other Income	[Mln Rs]		435	96
<b>Total Revenue</b>	[Mln Rs]		<b>53,944</b>	<b>70,704</b>
<b>Operating Cost</b>		N.A		
Power Purchase Cost	[Mln Rs]		53,130	67,372
O&M Expenses	[Mln Rs]		454	500
Depreciation	[Mln Rs]		12	1,452
Amortization	[Mln Rs]		-	-
Provision for Bad Debt	[Mln Rs]		118	131
Other Contingency Expenses	[Mln Rs]		-	-
<b>Total Operating Cost</b>	[Mln Rs]		<b>53,714</b>	<b>69,455</b>
<b>EBIT</b>	[Mln Rs]		230	1,249
Financial Charges	[Mln Rs]		1,659	-
<b>EBT</b>	[Mln Rs]		<b>(1,429)</b>	<b>1,249</b>
Tax	[Mln Rs]		-	111
<b>EAT</b>	[Mln Rs]		<b>(1,429)</b>	<b>1,138</b>
WPPF	[Mln Rs]			
<b>Profit/loss for the period</b>	[Mln Rs]		<b>(1,429)</b>	<b>1,138</b>



FORM - 3

## SUKKUR ELECTRIC POWER COMPANY

Profit &amp; Loss Statement FY 2018-19 (Provisional)

		Jul-18	Aug-18	Sep-18	Q - 1	Oct-18	Nov-18	Dec-18	Q - 2	Jan-19	Feb-19	Mar-19	Q - 3	Apr-19	May-19	Jun-19	Q - 4	Total
		Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected
<b>Power Balances</b>																		
Units Received	[MkWh]	559.05	538.00	483.44	1,580.49	377.26	257.46	239.24	873.96	220.82	185.76	225.99	632.56	336.94	477.48	510.21	1,324.63	4,411.64
Units Lost	[MkWh]	272.70	214.63	186.67	674.00	134.83	51.93	61.64	248.40	53.84	36.36	91.69	181.89	133.29	202.79	190.57	526.65	1,630.94
Units Lost	[%age]	48.78%	39.89%	38.61%	39.55%	35.74%	20.17%	25.77%	8429.00%	24.38%	19.57%	40.57%	28.75%	39.56%	42.47%	37.35%	39.76%	36.97%
Units Sold	[MkWh]	286.35	323.37	296.77	906.49	242.43	205.53	177.60	625.56	166.98	149.40	134.30	450.67	203.66	274.69	319.64	797.98	2,780.70
<b>Revenue</b>																		
Sales Revenue	[Min Rs]	3,450	3,819	3,402	10,671	3,074	2,375	2,025	7,474	1,713	1,789	1,815	5,316	2,490	3,482	4,255	10,227	33,688
Subsidy	[Min Rs]	1,835	2,065	1,935	5,835	1,603	1,375	1,185	4,163	1,109	981	871	2,960	1,355	1,808	1,998	5,160	18,118
Fuel Price Adjustment	[Min Rs]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Sales Revenue	[Min Rs]	5,285	5,885	5,336	16,506	4,677	3,750	3,211	11,637	2,821	2,770	2,685	8,276	3,844	5,290	6,253	15,387	51,807
Rental & Service Income	[Min Rs]	97	53	108	258	214	109	92	416	88	105	79	272	42	126	148	316	1,262
Amortization of Def Credits	[Min Rs]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	440	440	440
Other Income	[Min Rs]	36.28	36.28	36.28	109	36.28	36.28	36.28	109	36.28	36.28	36.28	109	36.28	36.28	36.28	109	435
Total Revenue	[Min Rs]	5,417	5,974	5,481	16,873	4,928	3,895	3,339	12,162	2,946	2,911	2,800	8,657	3,923	5,452	6,877	16,252	53,944
<b>Operating Cost</b>																		
Power Purchase Cost	[Min Rs]	5,783	5,857	5,191	16,831	4,138	3,024	3,100	10,261	4,187	2,764	3,388	10,339	4,634	5,107	5,959	15,699	53,130
O&M Expenses	[Min Rs]	38	38	38	113	38	38	38	113	38	38	38	113	38	38	38	113	454
Depreciation	[Min Rs]	1	1	1	3	1	1	1	3	1	1	1	3	1	1	1	3	12
Amortization	[Min Rs]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Provision for Bad Debt	[Min Rs]	10	10	10	29	10	10	10	29	10	10	10	29	10	10	10	29	118
Other Contingency Expenses	[Min Rs]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Operating Cost	[Min Rs]	5,831	5,905	5,240	16,977	4,187	3,072	3,149	10,407	4,236	2,812	3,436	10,485	4,682	5,156	6,007	15,845	53,714
EBIT	[Min Rs]	(414)	69	242	(104)	741	823	191	1,755	(1,290)	99	(636)	(1,827)	(760)	297	870	407	230
Financial Charges	[Min Rs]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,659	1,659	1,659
EBT	[Min Rs]	(414)	69	242	(104)	741	823	191	1,755	(1,290)	99	(636)	(1,827)	(760)	297	(790)	(1,253)	(1,429)
Tax	[Min Rs]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EAT	[Min Rs]	(414)	69	242	(104)	741	823	191	1,755	(1,290)	99	(636)	(1,827)	(760)	297	(790)	(1,253)	(1,429)
WPPF	[Min Rs]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Profit for the period	[Min Rs]	(414)	69	242	(104)	741	823	191	1,755	(1,290)	99	(636)	(1,827)	(760)	297	(790)	(1,253)	(1,429)
Prior year adjustment*	[Min Rs]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Net Profit / Loss after prior year	[Min Rs]	(414)	69	242	(104)	741	823	191	1,755	(1,290)	99	(636)	(1,827)	(760)	297	(790)	(1,253)	(1,429)
* Prior Year adjustment includes in Tariff rate																		

# SUKKUR ELECTRIC POWER COMPANY

## Profit & Loss Statement FY 2019-20 (Projected)

		Jul-19	Aug-19	Sep-19	Q-1	Oct-19	Nov-19	Dec-19	Q-2	Jan-20	Jan-20	Mar-20	Q-3	Apr-20	May-20	May-20	Q-4	Total
		Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected
<b>Power Balances</b>																		
Units Received	(MkWh)	623.20	624.86	547.81	1,795.87	410.22	308.62	240.75	959.60	343.54	242.52	333.18	919.24	394.19	560.65	560.58	1,515.42	5,190.13
Units Lost	(MkWh)	268.84	234.76	195.10	698.70	120.89	66.05	30.55	217.49	145.67	66.31	172.55	384.53	148.34	199.83	168.52	516.69	1,817.40
Units Lost	(%)	43.14%	37.57%	35.61%	39.55%	29.47%	21.40%	12.69%	8429.00%	42.40%	27.34%	51.79%	41.83%	37.63%	35.64%	30.06%	34.10%	35.02%
Units Sold	(MkWh)	354.36	390.10	352.71	1,097.17	289.33	242.57	210.21	742.11	197.87	176.21	160.63	534.71	245.85	360.82	392.06	998.73	3,372.73
<b>Revenue</b>																		
Sales Revenue	(Min Rs)	4,659	5,129	4,637	14,425	3,804	3,189	2,764	9,757	2,601	2,317	2,112	7,030	3,232	4,744	5,154	13,130	44,341
Subsidy	(Min Rs)	2,506	2,758	2,494	7,758	2,046	1,715	1,486	5,247	1,399	1,246	1,136	3,781	1,738	2,551	2,772	7,062	23,848
Fuel Price Adjustment	(Min Rs)																	
Total Sales Revenue	(Min Rs)	7,164	7,887	7,131	22,182	5,850	4,904	4,250	15,004	4,001	3,563	3,248	10,811	4,971	7,295	7,927	20,192	68,189
Rental & Service Income	(Min Rs)	202	222	201	626	165	138	120	423	113	100	92	305	140	206	494	494	494
Amortization of Def Credits	(Min Rs)																	
Other Income	(Min Rs)	8	8	8	24	8	8	8	24	8	8	8	24	8	8	8	24	96
Total Revenue	(Min Rs)	7,374	8,117	7,340	22,832	6,023	5,051	4,378	15,451	4,121	3,671	3,347	11,140	5,119	7,509	8,654	21,281	70,704
<b>Operating Cost</b>																		
Power Purchase Cost	(Min Rs)	6,339	5,821	5,940	18,100	5,869	4,240	4,015	14,124	5,717	3,970	4,975	14,662	5,890	7,519	7,077	20,486	67,372
O&M Expenses	(Min Rs)	42	42	42	125	42	42	42	125	42	42	42	125	42	42	42	125	500
Depreciation	(Min Rs)	121	121	121	363	121	121	121	363	121	121	121	363	121	121	121	363	1,452
Amortization	(Min Rs)																	
Provision for Bad Debt	(Min Rs)	10.92	10.92	10.92	33	10.92	10.92	10.92	33	10.92	10.92	10.92	33	10.92	10.92	10.92	33	131
Other Contingency Expenses	(Min Rs)																	
Total Operating Cost	(Min Rs)	6,513	5,995	6,114	18,621	6,043	4,414	4,189	14,645	5,891	4,144	5,149	15,183	6,064	7,693	7,250	21,007	69,455
EBIT	(Min Rs)	862	2,123	1,226	4,211	(20)	637	189	806	(1,769)	(473)	(1,801)	(4,043)	(945)	(184)	1,403	275	1,249
Financial Charges	(Min Rs)																	
EBT	(Min Rs)	862	2,123	1,226	4,211	(20)	637	189	806	(1,769)	(473)	(1,801)	(4,043)	(945)	(184)	1,403	275	1,249
Tax	(Min Rs)															111	111	111
EAT	(Min Rs)	862	2,123	1,226	4,211	(20)	637	189	806	(1,769)	(473)	(1,801)	(4,043)	(945)	(184)	1,514	385	1,138
WPPF	(Min Rs)																	
Profit for the period	(Min Rs)	862	2,123	1,226	4,211	(20)	637	189	806	(1,769)	(473)	(1,801)	(4,043)	(945)	(184)	1,514	385	1,138
Prior year adjustment*	(Min Rs)																	
Net Profit / Loss after prior year	(Min Rs)	862	2,123	1,226	4,211	(20)	637	189	806	(1,769)	(473)	(1,801)	(4,043)	(945)	(184)	1,514	385	1,138

\* Prior Year adjustment includes in Tariff rate

## FORM - 4

## SUKKUR ELECTRIC POWER COMPANY

## Balance Sheet [in million Rupees]

Description	Un-Audited FY 2017-18 as on 30th June-18	Provisional FY 2018-19 as on 30th June-19	Projected FY 2019-20 as on 30th June-2
Intangible Fixed Assets	20,199	21,809	24,656
Net Fixed Assets in Operations			
<b>Total Net Fixed Assets in Operations</b>	<b>20,199</b>	<b>21,809</b>	<b>24,656</b>
Capital Work in Progress	4,135	4,371	6,448
Long Term Loans to Employees	2	2	2
Deferred Cost & Long Term Deposits	-	-	-
<b>Current Assets</b>			
Stores & Spares	1,817	1,321	1,472
Net Trade Debts	60,615	74,571	74,197
Advances, Prepayments, Other Receivables	18,185	29,894	29,921
Due from associated undertakings	27,942	29,339	30,806
Advance income Tax	899	899	-
Cash & Bank Balances	2,032	1,687	1,776
<b>Total Current Assets</b>	<b>111,490</b>	<b>137,711</b>	<b>138,172</b>
<b>Total Assets</b>	<b>135,825</b>	<b>163,894</b>	<b>169,277</b>
500,000 Ordinary Shares of Rupees 10 each	5,000,000	5,000,000	5,000,000
Subscribed Equity			
Unappropriated Profit/(Loss)	(115,753)	(127,822)	(120,536)
<b>Total Equity</b>	<b>(5,115,753)</b>	<b>(5,127,822)</b>	<b>(5,120,536)</b>
Deposit of Share	35,928	35,955	35,955
	(5,079,825)	(5,091,867)	(84,581)
<b>Long Term Liability</b>			
Consumer's Security Deposits	960	1,023	1,091
Employee Retirement Benefits	18,687	20,600	22,717
TFCs & SUKUK			
Deferred Credits	10,784	12,119	13,619
Receipts against deposit works and connections	4,288	4,037	3,566
Long Term Loans: less current maturity	14,882	14,866	14,834
<b>Total Long Term Liability</b>	<b>49,602</b>	<b>52,645</b>	<b>55,827</b>
<b>Current Liability</b>			
Trade & Other Payable			
Current Maturity	16	32	64
Due to associated undertakings	159,509	195,431	190,079
Provision for Taxation			
Accrued Interest Payable			
Payable to NTDC			
Creditors, Accrued and Other Liabilities	6,524	7,652	7,889
<b>Total Current Liability</b>	<b>166,049</b>	<b>203,115</b>	<b>198,031</b>
<b>Total Liabilities and Commitments</b>	<b>215,650</b>	<b>255,761</b>	<b>253,858</b>
<b>Total Liabilities and Equity</b>	<b>135,825</b>	<b>163,894</b>	<b>169,277</b>

Note:- Combined Statement of Distribution &amp; Supply Business.

# SUKKUR ELECTRIC POWER COMPANY

## Cash Flow Statement [in million Rupees]

Description		Projected FY 2019-20 as on June 30th	Provisional FY 2018-19 as on June 30th	Provisional FY 2017-18 as on June 30th
Average Monthly Demand Index (MDI)	[MW]		1	1
Units Purchased	[GWh]	5,190	4,412	4,679
Transmission Losses (132 kV)	[GWh]	176	150	159
Distribution Losses	[GWh]	1,635	1,390	1,474
Units Sold to Customers	[GWh]	3,373	2,781	2,963
Average Tariff Required	[Rs/unit]	20.22	19.49	0.00
Average Tariff Existing	[Rs/unit]	20.22	0.00	15.18
Tariff Difference	[Rs/unit]	0.000	19.492	-15.180
Revenue from Sales	[Rs. in M]	68,189	51,807	41,789
Collection from Required	[%]	100.0%	100.0%	100.0%
<b>Inflows from Operations</b>				
Collection from Sales	[Rs. in M]	68,189	51,807	41,789
<b>Total Inflows from Operations</b>		<b>68,189</b>	<b>51,807</b>	<b>41,789</b>
<b>Outflow from Operations</b>				
Payment for electricity (to CPPA)	[Rs. in M]	67,372	16,067	14,229
Distribution Service Cost (=DMC)	[Rs. in M]	803	1,070	0
<b>Total Outflow from Operations</b>		<b>68,175</b>	<b>17,137</b>	<b>14,229</b>
<b>Surplus/Deficit from Operations</b>		<b>14</b>	<b>34,670</b>	<b>27,560</b>
<b>Inflows from Other Sources</b>				
Capital Contributions	[Rs. in M]	1,994	1,774	1,376
Consumer Security Deposits	[Rs. in M]	68	63	135
Other Incomes	[Rs. in M]	96	435	422
GOP Subsidy (Actual and Estimated)	[Rs. in M]	23,848	18,118	10,648
Long Term Loan / Redeemable Capital	[Rs. in M]			
<b>Total Inflows from Other Sources</b>	[Rs. in M]	<b>26,005</b>	<b>20,391</b>	<b>12,581</b>
<b>Outflow Others</b>				
Financial Charges	[Rs. in M]	0	1,659	1,685
Repayment of Long Term Loans	[Rs. in M]			
Investment Program	[Rs. in M]	4,688	957	3,062
Working Capital/other Changes	[Rs. in M]			
<b>Total Outflow Others</b>	[Rs. in M]	<b>4,688</b>	<b>2,616</b>	<b>4,747</b>
<b>Surplus/Deficit Others</b>	[Rs. in M]	<b>21,317</b>	<b>17,775</b>	<b>7,834</b>
<b>Total Inflows (Operations + Others)</b>	[Rs. in M]	<b>94,194</b>	<b>72,198</b>	<b>54,371</b>
<b>Total Outflows (Operations + Others)</b>	[Rs. in M]	<b>72,863</b>	<b>19,753</b>	<b>18,976</b>
<b>Opening Balance</b>	[Rs. in M]	<b>1,687</b>	<b>2,031</b>	<b>2,749</b>
<b>Surplus/Deficit for Fiscal Year</b>	[Rs. in M]	<b>21,331</b>	<b>52,445</b>	<b>35,395</b>
<b>Deficit from Financing/Loans</b>		<b>21,242</b>	<b>52,789</b>	<b>36,113</b>
<b>Closing Balance</b>	[Rs. in M]	<b>1,776</b>	<b>1,687</b>	<b>2,031</b>

Note:- Combined Statement of Distribution & Supply Business.

FORM - 6

## SUKKUR ELECTRIC POWER COMPANY

Power Purchase (Actual for the Last Corresponding period)

		Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Total
<b>Demand &amp; Energy</b>														
Units Received	[MkWh]	504.77	521.48	501.18	403.51	255.27	292.61	296.34	217.47	274.22	372.86	499.72	539.31	4,678.73
MDI	[MW]	1.02	0.86	1.00	0.93	0.72	0.87	0.85	0.60	0.75	0.84	1.11	1.00	0.88
Energy Purchase Price	[Rs/ kWh]	4.58	4.30	3.88	5.81	5.61	5.85	6.82	3.93	5.54	3.96	3.76	4.33	6.30
Capacity Purchase Price	[Rs/ kW/ ]	2.23	1.81	2.70	2.37	5.05	4.06	4.17	4.37	5.41	3.69	4.56	3.57	3.44
Transmission Charge	[Rs/ kW/ ]	0.26	0.22	0.27	0.31	0.38	0.40	0.39	0.37	0.37	0.31	0.30	0.25	0.31
Market Operation Fee	[Rs/ kW/ ]	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46
<b>Power Purchase Cost</b>														
Energy Charge	[Min Rs]	3,063.87	3,178.33	2,488.56	2,714.39	1,271.05	1,845.68	2,045.33	1,347.07	1,931.97	2,520.04	3,647.98	3,424.48	29,478.75
Capacity Charge	[Min Rs]	1,123.54	943.43	1,354.41	958.08	1,288.63	1,188.91	1,237.12	949.72	1,483.05	1,376.95	2,279.53	1,926.45	16,109.81
Transmission Charge	[Min Rs]	131.39	117.31	136.12	126.17	97.99	118.29	116.25	80.95	102.03	114.60	150.65	136.01	1,427.77
Market Operation Fee	[Min Rs]	1.50	1.26	1.46	1.35	1.05	1.27	1.25	0.87	1.10	1.23	1.62	1.46	15.42
Adjustment **	[Min Rs]													
<b>Total Operating Cost</b>	[Min Rs]	4,320.29	4,240.33	3,980.56	3,799.99	2,658.72	3,154.15	3,399.96	2,378.61	3,518.15	4,012.82	6,079.78	5,488.41	47,032

FORM - 6 ( A )

## SUKKUR ELECTRIC POWER COMPANY

Power Purchase (Provisional)

FY 2018-19		Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Total
		Provisional	Provisional	Provisional	Provisional	Provisional	Provisional	Provisional	Provisional	Provisional	Provisional	Provisional	Provisional	Provisional
Demand & Energy														
Units Received	[MKWh]	559.05	538.00	483.44	377.26	257.46	239.24	220.82	185.76	225.99	336.94	477.48	510.21	4,411.64
MDI	[MW]	1.16	1.12	1.10	1.16	1.12	1.10	0.88	0.71	0.61	1.07	0.66	1.26	1.00
Energy Purchase Price	[Rs/ kWh]	6.28	6.64	6.24	5.79	5.32	6.61	7.74	5.77	6.73	6.41	5.93	7.24	6.40
Capacity Purchase Price	[Rs/ kW ]	3.78	3.93	4.15	4.83	6.00	5.97	10.50	8.57	7.70	6.85	4.38	4.06	5.25
Transmission Charge	[Rs/ kW]	0.28	0.31	0.34	0.35	0.41	0.38	0.72	0.53	0.56	0.48	0.39	0.43	0.39
Market Operation Fee	[Rs/ kW]	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46
Power Purchase Cost														
Energy Charge	[Min Rs]	3,512.57	3,572.64	3,018.77	2,184.19	1,370.54	1,580.21	1,709.00	1,072.14	1,521.56	2,160.95	2,829.25	3,696.20	28,228
Capacity Charge	[Min Rs]	2,111.29	2,115.71	2,008.11	1,821.87	1,545.50	1,427.32	2,318.58	1,592.74	1,739.03	2,308.88	2,092.03	2,073.58	23,155
Transmission Charge	[Min Rs]	157.30	166.85	162.47	130.19	105.88	90.74	158.32	97.80	126.27	162.13	184.95	187.00	1,730
Market Operation Fee	[Min Rs]	1.69	1.64	1.60	1.69	1.64	1.60	1.28	1.04	0.89	1.56	0.96	1.84	17
Adjustment **	[Min Rs]													
Total Operating Cost	[Min Rs]	5,782.86	5,856.85	5,190.95	4,137.94	3,023.57	3,099.87	4,187.19	2,763.72	3,387.74	4,633.51	5,107.20	5,958.62	53,130.01

\* Where actual figures are available , these should be replaced by the actual figures.

\*\* In case of actual figures, adjustment should show monthly fuel adjustment separately and under the month to which it relates.

FORM - 6 ( A )

## SUKKUR ELECTRIC POWER COMPANY

## Power Purchase (Projected\*) (With Transmission Constraints)

FY 2019-20	Jul-19 Projected	Aug-19 Projected	Sep-19 Projected	Oct-19 Projected	Nov-19 Projected	Dec-19 Projected	Jan-20 Projected	Feb-20 Projected	Mar-20 Projected	Apr-20 Projected	May-20 Projected	Jun-20 Projected	Total Projected
<b>Demand &amp; Energy</b>													
Units Received [MWh]	595.46	570.03	529.53	409.87	292.23	273.13	260.32	222.18	309.39	414.31	541.89	579.16	4,998
MDI [MW]	4.81	4.52	4.08	6.10	5.89	6.14	7.17	4.13	5.82	4.15	3.95	4.55	5.11
Energy Purchase Price [Rs/ kWh]	6.29	6.06	6.37	7.36	7.59	6.98	9.81	7.19	6.31	5.86	7.92	4.79	6.90
Capacity Purchase Price [Rs/ kW]	3.78	3.93	4.15	4.83	6.00	5.97	10.50	8.57	7.70	6.85	4.38	4.06	5.33
Transmission Charge [Rs/ kW]	0.28	0.31	0.34	0.35	0.41	0.38	0.72	0.53	0.56	0.48	0.39	0.43	0.40
Market Operation Fee [Rs/ kW]	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46
<b>Power Purchase Cost</b>													
Energy Charge [Min Rs]	3,745.62	3,451.95	3,372.52	3,018.26	2,217.00	1,906.91	2,554.47	1,597.92	1,951.80	2,428.58	4,292.08	3,940.58	34,478
Capacity Charge [Min Rs]	2,248.80	2,241.66	2,199.57	1,979.38	1,754.22	1,629.52	2,733.42	1,905.07	2,380.83	2,838.99	2,374.26	2,353.79	26,640
Transmission Charge [Min Rs]	167.55	176.78	177.96	141.45	120.18	103.60	186.64	116.97	172.87	199.35	209.90	249.24	2,022
Market Operation Fee [Min Rs]	7.03	6.60	5.95	8.91	8.61	8.98	10.47	6.03	8.50	6.07	5.76	6.64	90
Adjustment ** [Min Rs]	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Operating Cost [Min Rs]	6,169.00	5,877.00	5,756.00	5,148.00	4,100.00	3,649.00	5,485.00	3,626.00	4,514.00	5,473.00	6,882.00	6,550.25	63,229

FORM - 6 ( A )

[Rs/ kWh]

## SUKKUR ELECTRIC POWER COMPANY

## Power Purchase (Projected\*) (Without Transmission Constraints)

FY 2019-20	Jul-19 Projected	Aug-19 Projected	Sep-19 Projected	Oct-19 Projected	Nov-19 Projected	Dec-19 Projected	Jan-20 Projected	Feb-20 Projected	Mar-20 Projected	Apr-20 Projected	May-20 Projected	Jun-20 Projected	Total Projected
<b>Demand &amp; Energy</b>													
Units Received [MWh]	623.20	624.86	547.81	410.22	308.62	240.75	343.54	242.52	333.18	394.19	560.65	560.58	5,190
MDI [MW]	1.21	1.18	1.15	1.21	1.18	1.15	0.92	0.75	0.64	1.12	0.69	1.32	1.05
Energy Purchase Price [Rs/ kWh]	6.11	5.07	6.35	9.13	7.32	10.32	5.42	7.26	6.68	7.60	8.64	4.79	7.17
Capacity Purchase Price [Rs/ kW]	3.78	3.93	4.15	4.83	6.00	5.97	10.50	8.57	7.70	6.85	4.38	4.06	5.40
Transmission Charge [Rs/ kW]	0.28	0.31	0.34	0.35	0.41	0.38	0.72	0.53	0.56	0.48	0.39	0.43	0.41
Market Operation Fee [Rs/ kW]	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46
<b>Power Purchase Cost</b>													
Energy Charge [Min Rs]	3,808.32	3,168.20	3,478.73	3,744.59	2,253.75	2,485.63	1,862.18	1,761.74	2,223.99	2,997.56	4,844.37	4,555.27	37,189
Capacity Charge [Min Rs]	2,353.56	2,457.29	2,275.49	1,981.07	1,852.60	1,436.37	3,607.17	2,079.48	2,563.91	2,701.13	2,456.45	2,278.30	28,043
Transmission Charge [Min Rs]	175.35	193.79	184.10	141.57	126.92	91.32	246.30	127.68	186.16	189.67	217.17	241.25	2,121
Market Operation Fee [Min Rs]	1.77	1.73	1.68	1.77	1.73	1.68	1.35	1.10	0.94	1.64	1.01	1.93	18
Adjustment ** [Min Rs]	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Operating Cost [Min Rs]	6,339.00	5,821.00	5,940.00	5,869.00	4,240.00	4,015.00	5,717.00	3,970.00	4,975.00	5,890.00	7,519.00	7,076.75	67,372

[Rs/ kWh]

## FORM - 6 ( B )

FY 2018-19 1st Qtr

2nd Qtr

3rd Qtr

4th Qtr

FY 2018-19

Quarterly Adjustm [Jul-18 to Sep-18]

[Oct-18 to Dec-18]

[Jan-19 to Mar-19]

[Apr-19 to Jun-19]

Total

## EPP Adjustment

## EPP - 1st month of the Qtr

Reference -	5.25	5.53	6.09	5.56	
Actual	6.28	5.79	7.74	6.41	
Disallowed	0.68	-0.21	-0.16	0.30	
Fuel Price Adjustment Al	0.353	0.474	1.806	0.551	3.18

## EPP - 2nd month of the Qtr

Reference -	5.02	5.34	4.24	5.33	
Actual	6.64	5.32	5.77	5.93	
Disallowed	0.45	0.30	0.72	0.49	
Fuel Price Adjustment Al	1.164	-0.323	0.809	0.100	1.75

## EPP - 3rd month of the Qtr

Reference -	5.40	6.20	5.30	5.38	
Actual	6.24	6.61	6.73	7.24	
Disallowed	0.64	-0.16	1.47	1.86	
Fuel Price Adjustment Al	0.200	0.569	-0.037	0.000	0.73

	Target Losses for the quarter	29.75%	29.75%	29.75%	29.75%	29.75%
1st month of the Qtr	1st month of the Qtr					
	Units Received (MkWh)	559	377	221	337	
	Units to be sold (MkWh)	393	265	155	237	
	Units without Life line (MkWh)	119	127	91	100	
	Adjustment already given (Min)	42	60	165	55	
	Adjustment that should have b	122	34	151	86	
	Impact of disallowed costs (M)	379	(79)	(35)	103	
	Remaining adjustment for th	80	(27)	(15)	31	70
	Remaining adjustment for th	421	(19)	130	158	690
	2nd month of the Qtr					
2nd month of the Qtr	Units Received (MkWh)	538	257	186	477	
	Units to be sold (MkWh)	378	181	130	335	
	Units without Life line (MkWh)	166	101	70	138	
	Adjustment already given (Min)	193	(32)	57	14	
	Adjustment that should have b	268	(2)	108	82	
	Impact of disallowed costs (M)	244	78	134	235	
	Remaining adjustment for th	75	31	51	68	225
	Remaining adjustment for th	437	46	191	249	922
	3rd month of the Qtr					
	Units Received (MkWh)	483	239	226	510	
3rd month of the Qtr	Units to be sold (MkWh)	340	168	159	358	
	Units without Life line (MkWh)	171	81	64	140	
	Adjustment already given (Min)	34	46	(2)		
	Adjustment that should have b	144	33	92	261	
	Impact of disallowed costs (M)	310	(38)	332	951	
	Remaining adjustment for th	110	(13)	94	261	451
	Remaining adjustment for th	275	(84)	335	951	1,477
	Total Adjustment on accour	265	(9)	130	359	746
	Total Adjustment on accour	1,133	(57)	655	1,367	3,089

## CPP ADJUSTMENT

Ref for the 1st month of the Qtr



1st month of the Qrt					
Actual CPP per kWh	3.78	4.83	10.50	6.85	
Delta CPP per kWh	1.91	3.14	4.05	3.35	
Adjustment Required for the	942.18	848.97	1,197.27	1,037.74	4,026

Ref. for the 2nd month of the Qrt					
2nd month of the Qrt					
Actual CPP per kWh	3.93	6.00	8.57	4.38	
Delta CPP per kWh	1.98	3.19	3.90	2.99	
Adjustment Required for the	1,016.81	1,133.64	868.13	303.47	3,322

Ref. for the 3rd month of the qrt					
3rd month of the Qrt					
Actual CPP per kWh	4.15	5.97	7.70	4.06	
Delta CPP per kWh	2.25	4.17	3.65	2.27	
Adjustment Required for the	951.89	459.48	1,199.94	491.91	3,103
Total Adjustment on account	2,911	2,442	3,265	1,833	10,451

#### UoSC ADJUSTMENT

Ref for the 1st month of the Qrt

1st month of the Qrt					
Actual UoSC per kWh	0.28	0.35	0.72	0.48	
Delta UoSC per kWh	0.24	0.42	0.47	0.43	
Adjustment Required for the	22.40	-27.50	55.55	16.37	67

Ref. for the 2nd month of the Qrt					
2nd month of the Qrt					
Actual UoSC per kWh	0.31	0.41	0.53	0.39	
Delta UoSC per kWh	0.27	0.44	0.50	0.34	
Adjustment Required for the	22.72	-8.59	4.08	22.13	40

Ref. for the 3rd month of the qrt					
3rd month of the Qrt					
Actual UoSC per kWh	0.34	0.38	0.56	0.43	
Delta UoSC per kWh	0.31	0.52	0.42	0.30	
Adjustment Required for the	12.89	-32.63	30.80	46.96	58
Total Adjustment on account	58	(69)	90	85	165

Total Adjustment for the qu	3,234	2,364	3,486	2,278	11,362
Total Adjustment for the qu	4,102	2,316	4,011	3,276	13,705

#### Impact of Extra or Less Purchases

Ref Unit Purchased ( MWh )					
1st month of the Qrt	512.00	422.00	241.00	386.00	
2nd month of the Qrt	490.00	335.00	227.00	484.00	
3rd month of the Qrt	445.00	280.00	250.00	597.00	
Sub-total Qtr	1,447.00	1,037.00	758.00	1,467.00	4,709
Actual Unit Purchased ( MWh )					
1st month of the Qrt	559.05	377.26	220.82	336.94	
2nd month of the Qrt	538.00	257.46	185.76	477.48	
3rd month of the Qrt	483.44	239.24	225.99	510.21	
Sub-total Qtr	1,580	874	633	1,325	4,412
Difference ( MWh )					
1st month of the Qrt	-47.05	44.74	20.18	49.06	
2nd month of the Qrt	-48.00	77.54	41.24	6.52	
3rd month of the Qrt	-38.44	40.76	64.01	86.79	
Sub-total Qtr	(133)	163	125	142	297
PPP Ref ( Per kWh )					
Ref PPP ( per kWh )					
1st month of the Qrt	7.41	9.08	14.66	10.57	
2nd month of the Qrt	7.27	8.98	12.39	10.65	
3rd month of the Qrt	7.97	10.88	11.99	9.51	
Impact of extra Purchases (	-1003.85	1545.84	1574.19	1413.58	3529.75

## FORM - 7

## SUKKUR ELECTRIC POWER COMPANY

## Line Losses FY 2017-18

		Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Total
		Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual
<b>Power Balances</b>														
Units Received	[MkWh]	504.77	521.48	501.18	403.51	255.27	292.61	296.34	217.47	274.22	372.86	499.72	539.31	4678.73
Units Sold	[MkWh]	268.80	309.11	304.21	259.82	199.72	213.47	219.96	173.11	169.45	222.25	289.95	333.05	2962.89
Units Lost	[MkWh]	235.97	212.38	196.97	143.69	55.55	79.14	76.37	44.36	104.77	150.61	209.77	206.25	1715.84
Units Lost	[%age]	46.75	40.73	39.30	35.61	21.76	27.05	25.77	20.40	38.21	40.39	41.98	38.24	36.67
Technical Losses	[%age]	20.50	19.55	19.53	19.45	17.84	18.45	18.32	15.46	18.75	19.25	19.43	19.28	19.33
Administrative Losses	[%age]	26.25	21.18	19.77	16.16	3.92	8.60	7.45	4.94	19.46	21.14	22.55	18.96	17.34
<b>Technical Losses at Different Levels</b>														
Transmission Losses 132 kV	[%age]	2.82	3.54	2.96	2.53	3.00	2.45	1.25	1.79	1.17	1.32	2.58	2.60	2.46
11 kV Losses	[%age]	14.04	12.32	12.66	13.50	11.69	13.05	14.02	10.54	14.13	14.48	12.94	12.94	12.95
LT Losses	[%age]	3.64	3.69	3.91	3.42	3.15	2.95	3.05	3.13	3.45	3.45	3.91	3.74	3.92
Total Technical Losses	[%age]	20.50	19.55	19.53	19.45	17.84	18.45	18.32	15.46	18.75	19.25	19.43	19.28	19.33

## FORM - 7 (A)

## SUKKUR ELECTRIC POWER COMPANY

## Line Losses \* FY 2018-19

		Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Total
		Provisional	Provisional	Provisional	Provisional	Provisional	Provisional	Provisional	Provisional	Provisional	Provisional	Provisional	Provisional	Provisional
<b>Power Balances</b>														
Units Received	[MkWh]	559.05	538.00	483.44	377.26	257.46	239.24	220.82	185.76	225.99	336.94	477.48	510.21	4411.64
Units Sold	[MkWh]	286.35	323.37	296.77	242.43	205.53	177.60	166.98	149.40	134.30	203.66	274.69	319.64	2780.70
Units Lost	[MkWh]	272.70	214.63	186.67	134.83	51.93	61.64	53.84	36.36	91.69	133.29	202.79	190.57	1630.94
Units Lost	[%age]	48.78	39.89	38.61	35.74	20.17	25.77	24.38	19.57	40.57	39.56	42.47	37.35	36.97
Technical Losses	[%age]	20.20	19.35	19.63	19.55	17.84	18.45	18.32	15.46	18.75	19.25	19.43	19.28	19.33
Administrative Losses	[%age]	28.58	20.54	18.98	16.19	2.33	7.32	6.06	4.11	21.82	20.31	23.04	18.07	17.64
<b>Technical Losses at Different Levels</b>														
Transmission Losses 132 kV	[%age]	2.88	3.09	2.51	2.08	2.55	2.05	0.83	1.34	0.72	0.87	2.13	2.15	2.11
11 kV Losses	[%age]	13.77	12.74	13.47	14.15	12.22	13.55	14.49	11.10	14.78	15.18	13.48	13.45	13.37
LT Losses	[%age]	3.55	3.52	3.65	3.32	3.07	2.85	3.00	3.02	3.25	3.20	3.82	3.68	3.85
Total Technical Losses	[%age]	20.20	19.35	19.63	19.55	17.84	18.45	18.32	15.46	18.75	19.25	19.43	19.28	19.33

\* Where actual figures are available , these should be replaced by the actual figures.

## FORM - 7 (A)

## SUKKUR ELECTRIC POWER COMPANY

## Line Losses \* FY 2019-20

		Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Total
		Provisional	Provisional	Provisional	Provisional	Provisional	Provisional	Provisional	Provisional	Provisional	Provisional	Provisional	Provisional	Provisional
<b>Power Balances</b>														
Units Received	[MkWh]	623.20	624.86	547.81	410.22	308.62	240.75	343.54	242.52	333.18	394.19	560.65	560.58	5190.13
Units Sold	[MkWh]	354.36	390.10	352.71	289.33	242.57	210.21	197.87	176.21	160.63	245.85	360.82	392.06	3372.73
Units Lost	[MkWh]	268.84	234.76	195.10	120.89	66.05	30.55	145.67	66.31	172.55	148.34	199.83	168.52	1817.40
Units Lost	[%age]	43.14	37.57	35.61	29.47	21.40	12.69	42.40	27.34	51.79	37.63	35.64	30.06	35.02
Technical Losses	[%age]	20.00	19.31	19.27	19.55	17.84	18.45	18.32	15.46	18.75	19.25	19.43	19.28	19.33
Administrative Losses	[%age]	23.14	18.26	16.34	9.92	3.56	-5.76	24.08	11.88	33.04	18.38	16.21	10.78	15.69
<b>Technical Losses at Different Levels</b>														
Transmission Losses 132 kV	[%age]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11 kV Losses	[%age]	13.65	12.97	13.61	14.25	12.73	13.91	14.99	11.27	14.88	15.19	13.85	13.81	13.77
LT Losses	[%age]	3.67	3.45	3.35	3.42	2.76	2.69	2.70	3.05	3.35	3.39	3.65	3.52	3.65
Total Technical Losses	[%age]	20.00	19.31	19.27	19.55	17.84	18.45	18.32	15.46	18.75	19.25	19.43	19.28	19.33

\* Where actual figures are available , these should be replaced by the actual figures.

# FORM - 8

## SUKKUR ELECTRIC POWER COMPANY

### Operational and Technical Information

SEPCO

2020	0.26
2019	0.29
2018	0.22
2017	0.23

NTDC/DISCO Delivery Points metering accuracy

100.00%

DISCO metering accuracy

For all customers (residential, commercial, industrial, etc.)

90.00%

Estimated High Voltage Transmission lines losses (132 kV)

2.80%

FROM - 9

**SUKKUR ELECTRIC POWER COMPANY**

Average Rate per Unit Purchased and Sold

Weighted Average Cost per Unit Sold to Customers

10.01	<u>Use of System Charges (NTDC)</u>			
10.02	Estimated Average Rate	(Table 11 - 11.16)	[Rs/kW/Month]	147.57
10.03	Estimated Maximum Demand Indicator (MDI)	(Table 11 - 11.17)	[MW]	1
10.04	Number of Months (Fiscal Year)		[#]	12
10.05	Estimated Use of System Charges = (10.02 x 10.03 x 10.04)		[,000,000 Rs]	1,850.59
10.06	<u>Fixed/Capacity Charge</u>			
10.07	Estimated Average Rate	(Table 11 - 11.33)	[Rs/kW/Month]	2,040.79
10.08	Estimated MDI	Form 6 (A)	[MW]	1.05
10.09	Number of Months (Fiscal Year)		[#]	12
10.10	Estimated Capacity Charge = (10.07 x 10.08 x 10.09)		[,000,000 Rs]	28,042.81
10.11	<u>Energy Charge</u>			
10.12	Estimated Average Energy Charge	(Table 11 - 11.33)	[Rs/kWh]	6.3985
10.13	Estimated Energy Purchase for Fiscal Year		[GWh]	5,190
10.14	Estimated Energy Charges = (10.12 x 10.13)		[,000,000 Rs]	33,209.02
	Market Operation Fee			18.32
10.15	Estimated Power Purchase Price = (10.05 + 10.10 + 10.14)		[,000,000 Rs]	63,120.89
10.16	Average Rate per Unit Purchased = (10.15 / 10.13)		[ Rs/kWh ]	12.16
10.17	Estimated Energy Sold		[GWh]	3,372.73
10.18	Average Energy Rate per Unit Sold = (10.15 / 10.17)		[ Rs/kWh ]	18.72
10.19	Distribution Margin		[,000,000 Rs]	816
10.20	Distribution Margin per Unit Sold = (10.19 / 10.17)		[ Rs/kWh ]	0.24
10.21	Total Cost per Unit Sold to Customers = (10.20 + 10.18)		[ Rs/kWh ]	18.96
10.22	Estimated Revenue from Energy Sold (10.15 + 10.19)		[,000,000 Rs]	63,939
10.23	Prior Period Adjustment (Uncovered Costs)		[,000,000 Rs]	
10.24	Financial Cost		[,000,000 Rs]	
10.25	Required Estimated Revenue from Energy Sold (10.22 + 10.23)		[,000,000 Rs]	63,939

While submitting Quarterly Petitions, this form should be submitted with actual amounts of previous quarters and projected figures of next quarter.

Figures in the forms should be substantiated with the forms below.

## FORM - 9 ( A )

Table 11 - CPPA Charges: Use of System, Capacity and Energy

## 11.01 Use of System Charges (NTDC)

			Demand	Fixed Use of System Rate	Fixed Use of System Charges	Energy	Variable Use of System Rate	Variable Use of System Charges	Sum Use of System Charges	Market Operation Fee	Market Operation Fee
11.02	Month	Year	[MkW]	[Rs/kW]	[Rs.In M]	[MkWh]	[Rs/kWh]	[Rs.In M]	[Rs. In M]	[Rs/kW]	[Rs. In M]
11.03	1	2	3	4	5 = (3 x 4)	6	7	8 = (6 x 7)	9=(5+8)	10	11=(10 x 3)
11.04	Jul	2019	1.21	126.75	165.17	587.00		0.00	165.17	1.46	1.1
11.05	Aug	2019	1.18	126.75	175.19	564.90		0.00	175.19	1.46	1.1
11.06	Sep	2019	1.15	126.75	170.59	507.61		0.00	170.59	1.46	1.1
11.07	Oct	2019	1.21	126.75	136.70	396.12		0.00	136.70	1.46	1.1
11.08	Nov	2019	1.18	126.75	111.17	270.33		0.00	111.17	1.46	1.1
11.09	Dec	2019	1.15	126.75	95.28	251.20		0.00	95.28	1.46	1.1
11.10	Jan	2020	0.92	126.75	166.23	231.86		0.00	166.23	1.46	1.1
11.11	Feb	2020	0.75	126.75	102.69	195.04		0.00	102.69	1.46	1.1
11.12	Mar	2020	0.64	126.75	132.58	237.29		0.00	132.58	1.46	0.9
11.13	Apr	2020	1.12	126.75	170.23	353.79		0.00	170.23	1.46	1.1
11.14	May	2020	0.69	126.75	194.20	501.35		0.00	194.20	1.46	1.1
11.15	Jun	2020	1.32	126.75	230.55	535.72		0.00	230.55	1.46	1.1
11.16			12.54		1,850.59	4,632			1,850.59		18.0
11.17			1.05	147.57		360			1,771		
	Avg per month [MW]				Avg per month [MWh]						

## 11.18 Capacity and Energy

			Capacity Charge	Energy Charge	Sum of all Charges	Use Of System Rate per kWh	Capacity Rate per kWh	Energy Rate per kWh	Final Rate per kWh
11.19	Month	Year	[Rs.In M]	[Rs.In M]	[Rs]	[Rs/MkWh]	[Rs/MkWh]	[Rs/kWh]	[Rs/kWh]
11.20	1	2	11	12	13 = 9+11+12	14 = 9 / 6	15 = 11 / 3	16 = 12 / 6	17 = 13 / 6
11.21	Jul	2019	2,216.86	3,755.97	6,140	0.28	1825.909	6.40	10.4595
11.22	Aug	2019	2,221.50	3,614.54	6,013	0.31	1880.857	6.40	10.2435
11.23	Sep	2019	2,108.52	3,247.97	5,529	0.34	1833.395	6.40	9.7871
11.24	Oct	2019	1,912.97	2,534.58	4,586	0.35	1575.609	6.40	9.0345
11.25	Nov	2019	1,622.78	1,729.75	3,465	0.41	1373.944	6.40	8.7484
11.26	Dec	2019	1,498.69	1,607.31	3,203	0.38	1303.137	6.40	11.8481
11.27	Jan	2020	2,434.51	1,483.54	4,066	0.72	2641.654	6.40	16.2644
11.28	Feb	2020	1,672.38	1,247.99	3,024	0.53	2231.301	6.40	13.0432
11.29	Mar	2020	1,825.98	1,518.28	3,478	0.56	2842.581	6.40	17.8309
11.30	Apr	2020	2,424.32	2,263.75	4,860	0.48	2163.233	6.40	20.4813
11.31	May	2020	2,196.64	3,207.91	5,600	0.39	3173.033	6.40	15.8278
11.32	Jun	2020	2,177.25	3,427.82	5,838	0.43	1644.799	6.40	11.6437
11.33			24,312.39	29,639.41	55,821	0.40	2,040.79	6.40	12.05
11.34	Avg Cap. Charge =		2,026.03	2,469.95	12.05				

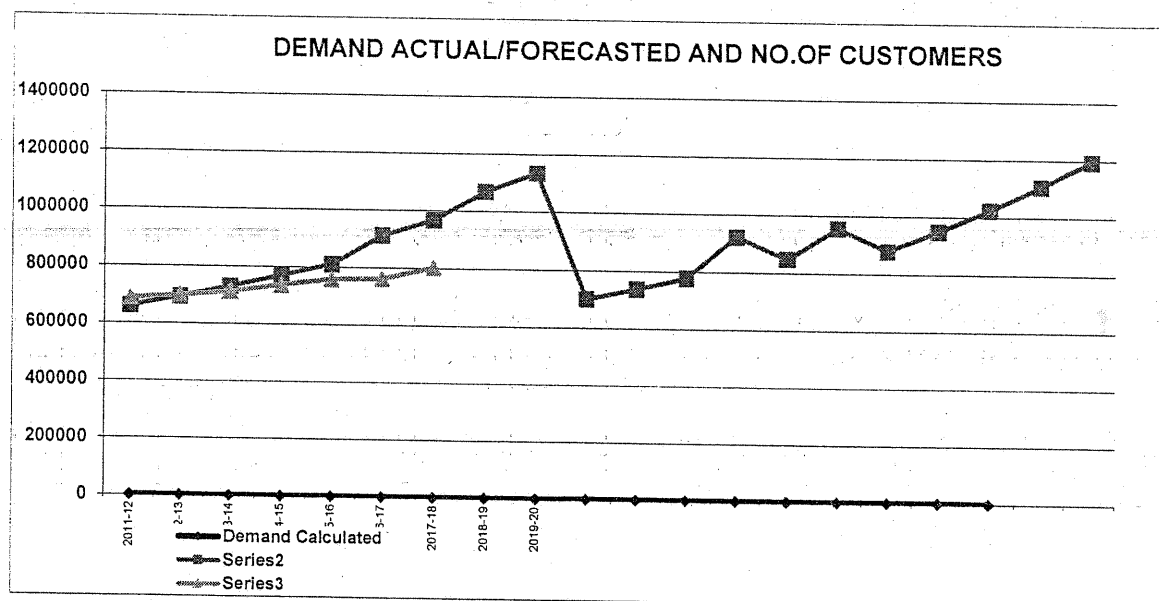
FORM - 10  
SUKKUR ELECTRIC POWER COMPANY

DEMAND (Actual and Calculated) and Number of Customers

A. Actuals for Demands and Number of Customers

B. Forecasted Demands and Number of Customers using regression analysis

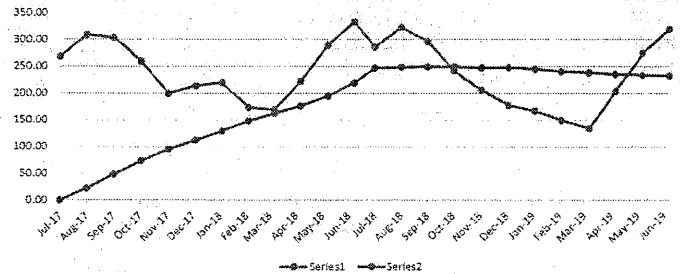
Fiscal Year	Demand Actual /Forecast [ ,000 kW ]	change	Demand Calculated /Forecast [ ,000 kW ]	change	Number of Customers [ ,000 ]	change
12.01	2000-01		1,140			
12.02	2001-02		1,189			
12.03	2002-03		1,245			
12.04	2003-04		1,291			
12.05	2004-05		1,363			
12.06	2005-06		1,438			
12.07	2006-07		1,514			
12.08	2007-08		1,607			
12.09	2008-09		1,695			
12.10	2009-10	701,178	1,733		674,638	
12.11	2010-11	738,082	1,803		681,022	
12.12	2011-12	776,928	1,872		687,557	
12.13	2012-13	922,115	1,941		698,302	
12.14	2013-14	847,942	2,011		712,196	
12.15	2014-15	955,296	2,080		737,196	
12.16	2015-16	878,379	2,149		758,512	
12.17	2016-17	948,649	2,149		762,132	
12.18	2017-18	1,024,541	1,040		802,132	
12.19	2018-19	1,106,504				
12.2	2019-20	1,195,024				



## SUKKUR ELECTRIC POWER COMPANY

Table/Graph 14 - Sold Energy Evaluation and Setting up Sold Energy Average

Month	Load [MWh]	12 months moving average
Jul-17	268.80	115
Aug-17	309.11	0
Sep-17	304.21	22
Oct-17	259.82	48
Nov-17	199.72	74
Dec-17	213.47	95
Jan-18	219.96	112
Feb-18	173.11	130
Mar-18	169.45	148
Apr-18	222.25	162
May-18	289.95	176
Jun-18	333.05	195
Jul-18	286.35	219
Aug-18	323.37	247
Sep-18	296.77	248
Oct-18	242.43	250
Nov-18	205.53	249
Dec-18	177.60	247
Jan-19	166.98	248
Feb-19	149.40	245
Mar-19	134.30	241
Apr-19	203.66	239
May-19	274.69	236
Jun-19	319.54	233

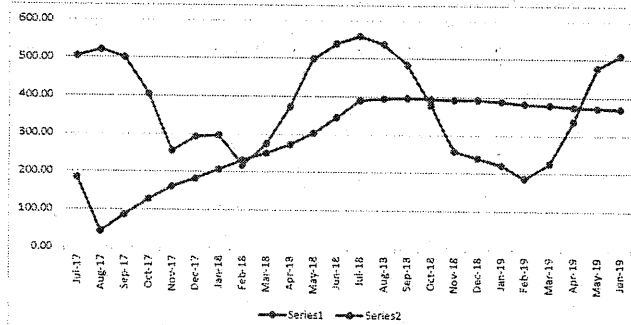




# SUKKUR ELECTRIC POWER COMPANY

Table/Graph 13 - Load Growth Evaluation and Setting up Load Average

Month	Load [MWh]	12 months moving average
Jul-17	504.77	184
Aug-17	521.48	42
Sep-17	501.18	86
Oct-17	403.51	127
Nov-17	255.27	161
Dec-17	292.61	182
Jan-18	296.34	207
Feb-18	217.47	231
Mar-18	274.22	249
Apr-18	372.86	272
May-18	499.72	303
Jun-18	539.31	345
Jul-18	559.05	390
Aug-18	538.00	394
Sep-18	483.44	396
Oct-18	377.26	394
Nov-18	257.46	392
Dec-18	239.24	392
Jan-19	220.82	388
Feb-19	185.76	382
Mar-19	225.99	379
Apr-19	336.94	375
May-19	477.48	372
Jun-19	510.21	370



385 Load Average for last 12 months  
**4,624** Average Load for next Fiscal Year

# SUKKUR ELECTRIC POWER COMPANY

Asset register as the year ended at dated 30th June, 2019

No.	Description	Cost			Accumulated Depreciation				Book Value as June 30,
		As at July 01,	Addition/ deletions	As at June 30,	As at July 01,	Charge during the year	Adjustments	As at June 30,	
H.	Detail of General Plant Assets								
1	Computer Equipment	52,272,357	1,373,142	53,645,498	37,551,849	13,068,089	0	50,619,938	3,027
	Total	52,272,357	1,373,142	53,645,498	37,551,849	13,068,089	0	50,619,938	3,027

**FORM - 14**  
**SUKKUR ELECTRIC POWER COMPANY**

Provisional	Projected
for ending 30th June, 2019	for ending 30th June, 2020

**Aging of Accounts Receivables as on 30th June 2012 & 30th June-2014**

Outstanding for current year	Rs In Million	3,663
Outstanding for more than 1 year	Rs In Million	5,524
Outstanding for more than 2 years	Rs In Million	
Outstanding for more than 3 years	Rs In Million	4,817
Outstanding for more than 4 years	Rs In Million	4,447
Outstanding for more than 5 years	Rs In Million	83,542
Total Receivables as on June 30, .....	Rs In Million	92,806
		9,187

FROM - 15  
SUKKUR ELECTRIC POWR COMPANY LTD.

Projected Energy Sales by Tariffs

Description	Voltage	GWh		
	Level	Unit Sale FY 2017-18 (Actual)	Unit Sale FY 2018-19 (Actual)	Unit Sale FY 2019-20 (Projected)
<b>Residential</b>				-
Up to 50 Units	LV	53.38	39.35	42.60
For peak load requirement up to 5 kW		-	-	-
01-100 Units	LV	474.76	597.01	646.28
101-200 Units	LV	376.87	419.64	454.27
201-300 Units	LV	358.90	329.26	356.43
301-700 Units	LV	271.25	187.75	203.24
Above 700 Units	LV	144.31	28.47	30.82
E-1 (I)	LV	-	0.01	0.01
For peak load requirement exceeding 5 kW		-	-	-
Time of Use (TOU) - Peak	LV	5.91	1.80	1.95
Time of Use (TOU) - Off-Peak	LV	74.05	9.47	10.25
Commercial - A2		70.52	67.31	72.87
For peak load requirement up to 5 kW				
Regular	LV	17.23	12.62	13.67
Time of Use (TOU) - Peak (A-2)		20.00	21.21	22.96
Time of Use (TOU) - Off-Peak	LV	111.06	102.91	111.40
<b>Industrial</b>	LV			
B1	LV	22.38	14.55	15.75
B1 - TOU (Peak)		8.78	6.38	6.91
B21- TOU (Off-peak)	LV	102.47	63.86	69.13
B2	LV	28.43	24.10	26.08
B2 - TOU (Peak)	LV	31.71	32.76	35.46
B2 - TOU (Off-peak)	LV	221.51	224.21	242.71
B3 - TOU (Peak)	LV	4.25	4.41	4.77
B3 - TOU (Off-peak)	LV	23.10	23.76	25.72
B4 - TOU (Peak)	LV	3.13	2.61	2.83
B4 - TOU (Off-peak)	HV	18.74	16.95	18.35
TMP E-2 (I)	HV	1.57	1.30	1.41
<b>Bulk</b>	STG			
C1(a) Supply at 400 Volts - up to 5 kW	STG	4.59	3.96	4.28
C1(b) Supply at 400 Volts -exceeding 5 kW	LV	36.53	32.26	34.92
C1(c) Time of Use (TOU) - Peak		6.04	5.92	6.41
C1(c) Time of Use (TOU) - Off-Peak	LV	34.81	36.11	39.10
C2 Supply at 11 kV	LV	13.08	12.93	13.99
Time of Use (TOU) - Peak	LV	13.44	13.90	15.04
Time of Use (TOU) - Off-Peak	LV	69.50	71.17	77.04
<b>Agricultural Tube-wells - Tariff D</b>				
D1 Scarp	STG	98.29	7.99	8.65
Time of Use (TOU) - Peak D-1	STG	13.19	32.47	31.76
Time of Use (TOU) - Off-Peak D1		109.36	48.84	52.87
D2 Agricultural Tube-wells	LV	21.48	16.40	17.76
Time of Use (TOU) - Peak D-2	LV	21.48	16.40	3.39
Time of Use (TOU) - Off-Peak D2	LV	2.85	2.16	2.34
Public Lighting G	LV	27.29	19.15	20.73
Colonies H (I)	HV	1.42	1.28	1.38
A-3 (66) General Supply		66.79	244.47	264.64
<b>Grand Total</b>		<b>2,962.89</b>	<b>2,780.70</b>	<b>3,372.73</b>

## SUKKUR ELECTRIC POWR COMPANY LTD.

## Operating Cost

		FY 2017-18	FY 2018-19	FY 2019-20
		Determined	Provisional	Projected
<b>A Power Purchase Cost</b>				
Energy Charge	[Mln Rs]		28,228	37,189
Capacity Charge	[Mln Rs]		23,155	28,043
Transmission Charge	[Mln Rs]	N.A	1,730	2,121
Market Operation Fee	[Mln Rs]		17	18
Adjustment *	[Mln Rs]		-	-
<b>Total Power Purchase Cost</b>	[Mln Rs]		<b>53,130</b>	<b>67,372</b>
* Provide the detail of adjustment			53,130	67,372
			-	-
<b>B Commercial Cost</b>				
<b>Employees Cost **</b>				
Salaries, Wages & Benefits	[Mln Rs]		403	443
Retirement Benefits	[Mln Rs]		-	-
<b>Total Employees Cost</b>	[Mln Rs]	-	<b>403</b>	<b>443</b>
Repair & Maintenance	[Mln Rs]		29	32
Travelling	[Mln Rs]		16	17
Transportation	[Mln Rs]		0.38	0.42
Miscellaneous Expenses	[Mln Rs]		7	8
<b>Total O&amp;M</b>	[Mln Rs]	-	<b>454</b>	<b>500</b>
<b>C Depreciation &amp; Amortization</b>				
Depreciation	[Mln Rs]		12	13
Amortization of Leased Assets	[Mln Rs]	0		
<b>Total</b>	[Mln Rs]	-	<b>12</b>	<b>13</b>
<b>D Provision for Bad Debts</b>				
Provision for bad debts	[Mln Rs]	-	118	131
Bad debts written off	[Mln Rs]	-		
<b>E. Finance Cost</b>	[Mln Rs]			
<b>F. Tax for the Year</b>	[Mln Rs]		-	111
<b>G. Extra Ordinary /Contingency Expenses</b>	[Mln Rs]		-	-

**FORM - 17**  
**SUKKUR ELECTRIC POWR COMPANY LTD.**  
**Distribution Margin Comparison:**

	Unit	Years		
		2017-18	2018-19	2019-20
		Determined	Provisional	Projected
O&M Expenses	Rs. in M		454	500
Increase in %	%age			10.1%
Provision for bad debts	Rs. in M		118	131
Depreciation*	Rs. in M		12	13
RORB*	Rs. in M		51	63
Income Tax	Rs. in M	N.A		
Other Income	Rs. in M		435	96
Distribution Margin	Rs. in M		1,070	803
Energy Sold	Gwh		2,781	3,373
DM per unit	Rs./kwh		0.38	0.24
DM per unit increase	%age			

\* As per determination for FY 2017-18

## SUUKUR ELECTRIC POWR COMPANY LTD.

## RORB Calculation

Sr. #	Description	Unit	FY 2017-18		FY 2018-19		FY 2019-20	
			Determined		SEPCO		Provisional	
A	Gross Fixed Assets in Operation - Opening Bal	[Mln Rs]				50		52
B	Addition in Fixed Assets	[Mln Rs]				1		1
C	Gross Fixed Assets in Operation - Closing Bal	[Mln Rs]				52		53
D	Less: Accumulated Depreciation	[Mln Rs]				12		13
E	Net Fixed Assets in Operation	[Mln Rs]				40		40
F	Add: Capital Work In Progress - Closing Bal	[Mln Rs]				393		436
G	Investment in Fixed Assets	[Mln Rs]			N.A	432		476
H	Less: Deferred Credits	[Mln Rs]						
I	Regulatory Assets Base	[Mln Rs]				432		476
J	Average Regulatory Assets Base	[Mln Rs]				432		476
	Rate of Return	[%age]					11.83%	13.25%
	Return on Rate Base	[Mln Rs]				51		63

## SUKKUR ELECTRIC POWR COMPANY LTD.

## Revenue Requirement

		FY 2017-18	FY 2018-19	FY 2019-20
		Determined	Provisional	Projected
A	Power Purchase Price [Mln Rs]		53,130	67,372
B	DM			
	O&M [Mln Rs]		454	500
	Depreciation [Mln Rs]		12	13
	Provision for bad debts [Mln Rs]		118	131
	RORB [Mln Rs]		51	63
	Other Income [Mln Rs]	N.A.	435	96
	Impact of Disallowed Losses [Mln Rs]			
	Total DM [Mln Rs]		1,070	803
	Prior Year Adjustment [Mln Rs]		-	
C	(A+B) [Mln Rs]		54,200	68,175
D	Finance Cost		1,659	-
E	Less/ (Excess) Recovery [Mln Rs]		-	-
F	Total Revenue Requirement (C+D) [Mln Rs]		55,859	68,175

## FORM - 20 (A)

2,781

3,373

## Revenue Requirement (per unit sold)

		FY 2017-18	FY 2018-19	FY 2019-20
		Determined	Projected	Projected
A	Power Purchase Price [Adjusted] [Rs/ kWh]		19.11	19.98
B	DM			
	O&M [Rs/ kWh]		0.16	0.15
	Depreciation [Rs/ kWh]		0.00	0.00
	Provision for bad debts		0.04	0.04
	RORB [Rs/ kWh]		0.02	0.02
	Other Income [Rs/ kWh]		0.16	0.03
	Impact of Disallowed Losses [Rs/ kWh]		-	-
	Total DM [Rs/ kWh]		0.38	0.24
C	Revenue Requirement (A+B) [Rs/ kWh]		19.49	20.21
D	Less/ (Excess) Recovery [Rs/ kWh]		-	-
E	Total Revenue Requirement (C+D) [Rs/ kWh]		19.49	20.21
F	Prior Year adjustment 1st & 2nd Qtr [Rs/ kWh]			
G	Prior Year adjustment FY 2017-18 [Rs/ kWh]		-	-
H	Net Average Tariff Rate [Rs/ kWh]		19.49	20.22
Write-Off				
I	Average Tariff [Rs/ kWh]		19.49	20.22



**SUKKUR ELECTRIC POWR COMPANY LTD.**

Domestic Consumers (Jul-16 to Jun-17) Projected

Slabs	No. of Customers	Units Billed (Kwh)													Revenue Rs.Million	Average Rate Ps./kWh
		Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Total		
0 - 50	156,847	3.242	3.884	2.642	2.544	7.135	8.001	7.653	1.943	6.805	3.426	3.672	3.488	54.44	108.87	2.00
1 - 100	137,421	21.397	22.842	25.614	27.767	38.001	37.330	41.540	36.668	35.689	41.194	43.062	44.014	415.12	2,403.54	5.79
101 - 200	113,587	30.861	32.700	35.957	35.500	31.389	19.507	20.433	25.991	17.411	30.853	39.103	39.150	358.85	2,910.31	8.11
201 - 300	85,669	46.755	44.237	37.338	31.541	17.950	8.145	7.621	9.431	4.993	17.244	30.111	29.132	284.50	2,307.28	8.11
301 - 400	37,250	20.367	19.803	14.474	11.209	3.829	1.753	1.454	1.647	1.000	3.118	7.687	7.359	93.70	1,489.83	15.90
401-500	21,554	14.015	13.617	9.953	7.707	2.633	1.205	1.000	1.133	0.688	2.144	5.285	5.060	64.44	1,031.03	16.00
501-600	19,672	8.050	7.839	5.730	4.437	1.516	0.694	0.576	0.652	0.396	1.234	3.043	2.913	37.08	600.69	16.20
601-700	15,557	6.013	5.861	4.284	3.317	1.133	0.519	0.430	0.488	0.296	0.923	2.275	2.178	27.72	453.16	16.35
701-800	12,162	13.488	13.887	11.574	9.227	5.583	5.377	4.495	4.152	2.609	5.231	7.082	8.996	91.70	1,636.85	17.85
801-900	5,869	11.327	11.680	9.734	7.760	4.696	4.522	3.781	3.492	2.194	4.399	5.957	7.566	77.11	1,380.24	17.90
901-1000	4,230	10.641	9.931	8.277	6.599	3.993	3.845	3.215	2.969	1.866	3.741	5.065	6.434	66.57	1,204.99	18.10
1001-1100	3,427	7.776	9.052	7.544	6.014	4.005	3.795	3.164	2.938	1.855	3.745	4.616	6.221	60.73	1,111.30	18.30
<b>Total</b>	<b>613,246</b>	<b>193.931</b>	<b>195.332</b>	<b>173.120</b>	<b>153.622</b>	<b>121.862</b>	<b>94.694</b>	<b>95.362</b>	<b>91.504</b>	<b>75.802</b>	<b>117.254</b>	<b>156.958</b>	<b>162.511</b>	<b>1,631.953</b>	<b>16,638.10</b>	<b>10.20</b>