

AGGREGATE REVENUE REQUIREMENT FOR FY-18 :

The Hon'ble Commission approved the revised estimation of ARR vide Order Dtd : 30.03.2016. It is submitted that HESCOM is not proposing any modifications for the approved figures for FY-18. HESCOM has revised the estimations, only in order to facilitate to make further projections for FY19 required for filing.

ENERGY DETAILS

Particulars	FY-18 (As approved in Tariff Order 2016)	FY-18 Revised projections
Energy at Generation Point (Mus)	13283.89	13229.74
Transmission Loss (units)	447.67	445.84
Transmission Loss (%)	3.37%	3.37%
Energy at Interface Point (Mus)	12508.36	12452.68
Energy Sales (Mus)	10569.56	10522.51
Distribution Loss (%)	15.50%	15.50%

Capital Expenditure of HESCOM for the year 2017-18 (Up to Sept-17)

Sl. No.	Scheme	A/c Head	Exp. Total		Total (Rs. In Cr.)
			Up to (Aug-17)	Sep-17	
1	Mandatory works, Social obligation and other works				
a	Gangakalyan IP sets: SC/ST	47.310, 47.315	8.57	-5.32	3.25
b	CWIP- Energisation of IP Sets under Schedule Caste Sub Plan (SCP)	14.3057	2.84	0.34	3.18
c	CWIP- Energisation of IP Sets Tribal Sub Plan (TSP)	14.3087	0.66	0.14	0.80
d	Gangakalyan IP sets: Backward.	47.308	3.59	-3.42	0.16
e	Gangakalyan IP sets :Minority.	47.309	2.00	-2.06	-0.06
f	DCW for SC for HT/LT	47.313	0.09	0.01	0.10
g	Electification of Hamlets(Not covered under RGGVY)		0.01	0.00	0.01
h	Electification of HB/DB/JC/AC (Habitations) under SCP (Not covered under RGGVY)	14.300, 14.302, 14.303	0.00	0.00	0.00
i	Electification of TC(Habitations) under TSP (Not covered under RGGVY)		0.00	0.00	0.00
j	CWIP - Energisation of Borewells drilled under Gangakalyana Scheme by Dr. B. R. Ambedkar Development Corporation Ltd.	14.334	7.71	1.61	9.31
k	CWIP - Energisation of Bore wells drilled under Gangakalyana Scheme by Karnataka Scheduled Tribe Development Corporation Ltd.	14.335	3.27	5.44	8.70
l	CWIP - Energisation of Bore wells drilled under Gangakalyana Scheme by D. Devaraj Urs Backward Class Development Corporation Ltd	14.336	5.99	6.13	12.12
m	CWIP - Energisation of Bore wells drilled under Gangakalyana Scheme by Karnataka Minorities Development Corporation Ltd	14.337	2.19	2.47	4.67
n	Electification of BPL Households (Not covered under RGGVY)	14.3607	0.00	0.00	0.00
o	Bhagya Jyothi Schem	14.350	0.00	0.01	0.01
p	RGGVY	14.367,	1.58	0.50	2.08
q	Rehabilitation of flood affected villages(special programme).	14.177, 14.375	0.10	0.00	0.10
r	CWIP-Special Development Plan- Installation of Additional Distribution Transformers.	14.191 to 14.194	4.00	0.71	4.72
s	CWIP - DDUGJY - Electrification of UE Villages	14.420	0.55	0.00	0.55
I	Sub - total		43.13	6.56	49.69
II	Expansion of network and system improvement works.				

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a	E & I works.	14.1407, 14.1477, 14.1497, 14.1507, 14.1517, 14.1607, 14.176, 14.2407	16.91	2.35	19.27
b	Energisation of IP sets under general.	14.320, 14.321, 14.323, 14.324, 14.325	12.36	20.29	32.65
c	Service connections other than IP/BJ/KJ/Water works.	14.4007, 47.3057, 14.155, 14.142	20.09	1.04	21.13
d	Construction of new 33 KV stations and lines.	14.1166, 14.1206, 14.122, 14.123, 14.124, 14.126, 14.141, 14.200, 14.201, 14.220, 14.365, 14.165,	0.09	0.91	1.00
e	Augmentation of 33 KV stations.	14.1296, 14.121	4.41	0.30	4.71
f	Construction of 11 KV lines for 33 KV / 110 KV sub-stations.	14.1457	6.51	1.07	7.58
g	Nirantar Jyoti Yojana.	14.1627, 14.1626	31.46	5.13	36.59
h	R- APDRP.	14.1787	1.00	0.06	1.06
i	UG cables	14.190	31.21	0.00	31.21
II	Sub - total		124.06	31.14	155.20
III	Reduction of T & D and ATC loss				
a	Providing meters to un-metered IP sets.	14.401	0.00	0.00	0.00
b	Providing meters to un-metered BJ/KJ installations.	14.351, 14.361	0.06	0.00	0.06
c	Replacement of faulty / MNR energy meters by static meters.	14.1587	2.31	0.34	2.65
d	Replacement of more than 10 year old electromechanical energy meters by static meters.		0.00	0.00	0.00
e	DTC's metering (Other than APDRP)	14.1717, 14.1727	3.71	0.64	4.35
f	Replacement of 33 KV lines Rabbit conductor by Coyote conductor.	14.1686	0.00	0.00	0.00
g	Replacement of 11 KV lines Weasel conductor by Rabbit conductor.	14.1467	1.57	0.20	1.77
h	Replacement of age old LT conductor by Rabbit conductor.	14.174	3.67	0.08	3.75
III	Sub - total		11.31	1.26	12.57
IV	New initiatives works				
a	IT initiatives, automation and call centre	14.183	0.04	0.07	0.11
b	CWIP - Implementation of Pre-paid Energy Meters using Smart Card/Key Pad Technology for Temporary installations.	14.184, 14.185	2.24	0.35	2.59
c	Pilot project of installation of energy efficient motors	14.1666, 14.1667	0.00	0.00	0.00
d	Pilot for smart grid/sprinklar/drip irrigation system	14.1306, 14.1307	0.00	0.00	0.00
e	Establishing ALDC & SCADA.		0.00	0.00	0.00
IV	Sub - total		2.28	0.42	2.70
V	Replacement and other miscellaneous works				
a	Replacement of failed distribution transformers.	14.1697, 14.1707	49.36	8.31	57.67
b	Replacement of Power Transformers.	14.187	0.41	0.00	0.41
c	Replacement of old and failed equipments and other	14.1176, 14.1286	1.93	0.76	2.69

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	works of existing 33 KV stations and lines.				
d	Preventive measures to reduce the accidents. (Providing intermediate poles replacement of deteriorated conductor, DTC earthing etc.)	14.152, 14.175	6.08	1.18	7.26
e	T&P materials.	10.7117 to 10.9847	0.57	0.21	0.78
f	RLMS	14.159	0.02	0.00	0.02
g	Creating infrastructre to UAIP Sets	14.167	89.68	11.55	101.22
h	Civil Engineering works. & Solar RPTV Grid connected power plants on the Roof Top of HESCOM Buildings	14.501, 14.502	5.33	2.65	7.97
i	Providing 25KVA Transformer to IP set installation serviced under Tatkal scheme.	14.332	6.29	0.54	6.83
V	Sub - total		159.66	25.19	184.85
VI	Others				
a	Assets procured but not issued - Other miscellaneous Equipments.	10.999	0.05	0.02	0.07
b	CWIP-IT based work/Computerisation under APDRP Works	14.144	0.00	0.00	0.00
c	CWIP -Regularisation of Unauthorised connections detected during ATL Scheme in March and April-2002	14.154	0.00	0.00	0.00
d	CWIP metering of Street Light installations	14.156	0.00	0.00	0.00
e	CWIP metering of Water Works installations	14.157	0.00	0.00	0.00
f		14.161	0.16	-0.01	0.15
g	CWIP - Ganga Kalyan Scheme Works	14.182	0.00	0.00	0.00
h	CWIP-Kutira Jyoti under Schedule Caste Sub Plan (SCSP).	14.306	-0.06	-0.08	-0.14
i	CWIP-Electrification of Tribal colonies under Tribal Sub Plan (TSP).	14.307	0.57	0.03	0.60
j	CWIP-Kutira Jyoti under Tribal Sub Plan (TSP).	14.309	0.00	0.00	0.00
k	CWIP - P/S new IP sets submerged IP sets of same consumer under UKP rehabilitation programme	14.322	0.01	0.00	0.01
l	CWIP-Power supply to IP set under 11kv HT line (100% of the estimate cost)	14.331	18.82	4.83	23.65
m	CWIP - Kutir Jyoti (under Rajeeva Gandhi Rural Housing Corporation (RGRHC) Scheme)	14.366	0.00	0.02	0.02
n	CWIP- Other civil works	14.504	1.47	0.95	2.41
o	Capital Expenditure Categorized -IT based works R-APDRP	14.906	0.09	0.00	0.09
p	Capital Expenditure Categorized- Distribution Works - R-APDRP	14.907	0.10	0.00	0.10
q	Advance power charges.	47.301	-0.02	0.01	-0.01
r	Deposit Works	47.306	0.38	0.09	0.48
s	Ganga Kalyana Scheme - Deposits received	47.307	0.13	0.00	0.13
t	Cost collected from IP set applicants in gray and black taluk	47.314	0.00	0.00	0.00
u	CWIP- DDUGJY	14.421, 14.422, 14.423, 14.424, 14.425	0.00	0.07	0.07

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v	CWIP- IPDS	14.410, 140.411, 14.412, 14.413, 14.414, 14.415, 14.416, 14.417, 14.418	0.00	0.01	0.01
VI	Sub - total		21.71	5.94	27.65
Total (I+II+III+IV+V+VI)			362.16	70.52	432.67

Revised Capital Expenditure for FY-18.

The Commission approved a capital budget of Rs. 743.55 Crs for FY-18 vide Tariff Order 2016 Dtd : 30.03.2016.

Revised Capital Expenditure for FY-18.

Rs. in Crores

Sl. No.	Scheme	Approved Capital budget for FY 18 by KERC	Revised Capital Budget FY-18
1	Mandatory works, Social obligation and other works		
a	Gangakalyan IP sets	25.00	49.54
b	Special Development Plan for backward talukas under Nanjundappa scheme(SDP)	20.00	29.19
c	Electification of Hamlets(Not covered under RGGVY)	1.00	10.00
d	Electification of HB/DB/JC/AC (Habitations) under SCP (Not covered under RGGVY)	0.50	21.49
e	Electification of TC(Habitations) under TS (Not covered under RGGVY)	0.50	9.11
f	Electification of BPL Households (Not covered under RGGVY)	1.00	2.10
g	RGGVY	3.00	6.00
h	DDGUVY	100.00	100.04
i	Water works	5.00	23.52
	Sub - total	156.00	250.99
2	Expansion of network and system improvement works.		
a	E & I works.	25.00	88.59
b	Energisation of IP sets under general.		8.33
c	Energisation of IP sets as per GOK	125.00	73.01
c	Service connections other than IP/BJ/KJ/Water works.	30.00	19.60
d	Construction of new 33 KV stations and lines.	4.00	28.20
e	Augmentation of 33 KV stations.	3.00	15.00
f	Construction of 11 KV lines for 33 KV / 110 KV sub-stations.	5.00	25.00
g	Nirantar Jyoti Yojana.	40.00	15.20
h		40.00	54.80
i	Providing prepaid meters to temporary installations		5.40
j	Providing numerical relays to provide power supply to farm houses		7.30
k	Providing 16KVA Transformers for A/P/S to farm houses in Chikodi Division		6.20
l	R- APDRP.	20.00	6.00
m	R-APDRP exclusively for Modem and meters	1.00	2.00
n	IPDS IT initiative Phase II		10.57
o	IPDS	50.00	60.01
p	Creating infrastructure to UAIP Sets	10.00	24.56
ii	Sub - Total	353.00	449.77
3	Reduction of T & D and ATC loss		
a	Providing meters to un-metered IP sets.	0.05	0.22
b	Providing meters to un-metered BJ/KJ installations.		2.35
c	Replacement of faulty / MNR energy meters by static meters.	5	12.65
d	Replacement of more than 10 year old electromechanical energy meters by static meters.	50	24.26
e	Fixing of boxes to Single Phase Meters		25.00
f	DTC's metering (Other than APDRP)	25.00	37.38
g	Replacement of 33 KV lines Rabbit conductor by Coyote conductor.	5.00	8.20
h	Replacement of 11 KV lines Weasel conductor by Rabbit conductor.	10.00	20.00

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i	Replacement of age old LT conductor by Rabbit conductor.	6.00	15.09
j	HVDS (Pilot project for 1 district/year)	1	20
k	NEF (REC) for replacing 11 KV OH feeders by UG Cables in Hubli and Belgaum cities.	100	75
iii	Sub - Total	202.05	240.16
4	New initiatives works		
a	IT initiatives, automation and call centre	1.00	5.39
b	Smart grid	0.5	4.5
c	Providing solar roof tops to HESCOM office buildings	3	20
d	Establishing ALDC & SCADA.	1.00	3.12
e	Thermal Imaging and GIS Mapping of DTCs	5	
f	Special pilot project for Statergic Business Centre at Shiggaon sub-Division	1	
g	Special pilot project for Statergic Business Centre at Gadag Division		1
h	Smart City /Smart Meters		50
i	DSM Projects		1
iv	Sub - Total	11.50	85.01
5	Replacement and other miscellaneous works		
a	Replacement of failed distribution transformers.	5.00	10.00
b	Replacement of Power Transformers.	2.00	6.00
c	Replacement of old and failed equipments and other works of existing 33 KV stations and lines.	3.00	7.25
d	Preventive measures to reduce the accidents. (Providing intermediate poles replacement of deteriorated conductor, DTC earthing etc.)	5.00	16.28
e	T&P materials.	1.00	5.00
f	Civil Engineering works.	5.00	29.25
g	Corporate Office Reserve for Emergency		100.00
v	Sub - Total	21.00	173.78
Total (i+ii+iii+iv+v)		743.55	1199.71

DIVISION-WISE ENERGY BALANCE STATEMENT OF HESCOM

Division	Energy received in MU	Energy sold including EHT			Energy Un-accounted	Billing Efficiency In %	T & D Loss	DCB Extract in Lakhs		Collection Efficiency In %	Business Efficiency In %	AT & C Loss in %	ARD	ARR
		Metered Energy in MU (Excluding wheeling)	Unmetered Energy in MU	Total Energy in MU				Demand	Colln				(Rs / U)	(Rs / U)
Hubballi Urban	186.24	170.75	0	170.75	15.499	91.678	8.32	13405.91	13064.67	97.455	89.345	10.655	7.198	7.015
Hubballi Rural	53.37	29.46	14.66	44.12	9.255	82.659	17.34	3306.17	3089.53	93.448	77.243	22.757	6.1946	5.789
Dharwad Urban	80.64	70.68	0	70.68	9.955	87.655	12.35	5238.61	5233.85	99.909	87.575	12.425	6.4965	6.491
Dharwad Rural	119.78	65.88	36.34	102.22	17.558	85.341	14.66	7949.64	7391.17	92.975	79.345	20.655	6.6371	6.171
Gadag	155.73	88.55	45.85	134.4	21.333	86.301	13.7	8860.06	8229.41	92.882	80.159	19.841	5.6892	5.284
Ron	55.36	22.65	19.63	42.28	13.08	76.371	23.63	2808.18	2580.19	91.881	70.171	29.829	5.0729	4.661
Sirsi	78.75	57.27	12.12	69.39	9.364	88.109	11.89	4917.24	4796.14	97.537	85.939	14.061	6.244	6.09
Dandeli	52.95	36.42	11.12	47.55	5.408	89.787	10.21	3142.03	3083.8	98.147	88.123	11.877	5.9335	5.823
Karwar	74.97	67.16	0	67.16	7.812	89.58	10.42	7068.4	8296.65	117.377	105.146	-5.146	9.4287	11.067
Honnavar	81.27	69.2	0	69.2	12.07	85.148	14.85	4696.04	4479.01	95.378	81.213	18.787	5.7785	5.511
Haveri	184.47	73.13	89.24	162.37	22.106	88.016	11.98	10687.39	9910.57	92.731	81.619	18.381	5.7935	5.372
Ranebennur	190.61	74.3	93.9	168.2	22.408	88.244	11.76	11469.95	11007.13	95.965	84.683	15.317	6.0176	5.775
Belagavi Urban	220.42	202.01	0	202.01	18.409	91.648	8.35	13892.79	14185.48	102.107	93.579	6.421	6.3029	6.436
Belagavi Rural	243.91	146.07	62.38	208.44	35.468	85.458	14.54	11808.29	11808.29	100	85.458	14.542	4.8412	4.841
Bailhongal	269.54	62.35	183.48	245.83	23.715	91.202	8.8	15873.88	15341.19	96.644	88.141	11.859	5.8892	5.692
Ramadurg	145.31	14.37	109.68	124.05	21.267	85.365	14.64	7761.62	7804.75	100.556	85.839	14.161	5.3413	5.371
Ghataprabha	319	66.83	203.13	269.96	49.046	84.625	15.37	17345.38	17332.45	99.925	84.562	15.438	5.4374	5.433

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Chikkodi	252.38	67.89	146.17	214.05	38.325	84.814	15.19	15924.33	15469.79	97.146	82.394	17.606	6.3097	6.13
Athani	293.42	60.8	193.51	254.31	39.115	86.669	13.33	15321.03	14774.99	96.436	83.58	16.42	5.2215	5.035
Raibag	259.38	21.53	198.51	220.04	39.345	84.831	15.17	13828.58	13752.79	99.452	84.366	15.634	5.3314	5.302
Vijayapur	279.79	113.87	126.04	239.91	39.884	85.745	14.25	15347.56	14600.57	95.133	81.572	18.428	5.4854	5.218
Indi	290.76	44.98	198.14	243.12	47.642	83.615	16.39	15234.64	15392.14	101.034	84.479	15.521	5.2395	5.294
B Bagewadi	166.59	65.87	77.28	143.15	23.436	85.932	14.07	8340.6	7696.96	92.283	79.3	20.7	5.0068	4.62
Bagalkot	331.98	121.39	170.17	291.56	40.423	87.824	12.18	20202.21	20059.33	99.293	87.203	12.797	6.0854	6.042
Jamkhandi	397.2	52.78	278.95	331.73	65.468	83.518	16.48	21188.82	21112.28	99.639	83.216	16.784	5.3345	5.315
Mudhol	352.92	37.9	260.64	298.54	54.381	84.591	15.41	18937.52	18643.53	98.448	83.278	16.722	5.366	5.283
HESCOM Total	5136.75	1904.07	2530.91	4434.98	701.772	86.338	13.66	294556.86	289136.65	98.16	84.749	15.251	5.7343	5.629

ENERGY AUDIT OF TOWNS AND CITIES

CALCULATION OF DISTRIBUTION AND AT&C LOSSES

(Provisional)

April -17 -Aug-17

Towns / Cities (more than 50 thousand population)	Energy consumed in the Town (B) of Format 1}	Metered Energy as per DCB	Wheeled Energy if any	Unmetered Energy	Total Energy Sold	Billing Efficiency (6/3x100)	Total Energy Un-accounted in MU	Distribution Loss (ln %)	Demand (Rs.In Lakhs)	Collection (Rs.In Lakhs)	Collection Efficiency	Business Efficiency	AT&C Loss ln %	Dem and per unit input (Rs.per Unit)	Collection per Unit input (Rs.per Unit)
1	3	3	4	5	6	7=6/2*100	8=2-6	9=2-6*100/2	10	11	12=11/10	13=7*12	14=100-(7*11/10)	15=10/2/(10)	16=11/2/(10)
Hubli	185.93	168.52	0	0	168.52	90.635	17.413	9.37	13008.4	13119.7	1.01	91.41	8.59	7	7.06
Dharwad	80.56	68.76	2.14	0	70.9	88.005	9.664	12	5223.36	5211.93	1	87.81	12	6.48	6.47
Sirsi	14.03	12.48	0	0	12.48	88.931	1.553	11.07	927.758	916.595	0.99	87.86	12.14	6.61	6.53
Dandelli	10.1	9.33	0	0	9.33	92.355	0.772	7.64	614.076	603.992	0.98	90.84	9.16	6.08	5.98
Karwar	19.83	18.05	0	0	18.05	91.001	1.785	9	1057.34	1064.6	1.01	91.63	9	5.33	5.37
Gadag	30	26.03	0	0	26.03	86.769	3.969	13.23	1946.91	2008.4	1.03	89.51	10.49	6.49	6.7
Haveri	12.95	11.34	0	0	11.34	87.611	1.604	12.39	916.404	871.114	0.95	83.28	16.72	7.08	6.73
Ranebennur	14.2	12.67	0	0	12.67	89.262	1.524	10.74	936.442	918.909	0.98	87.59	10.74	6.6	6.47
Belgaum	184.34	158.54	8.39	0	166.92	90.552	17.416	9.45	12385.7	12678.4	1.02	92.69	7.31	6.72	6.88
Gokak	16.81	14.77	0	0	14.77	87.85	2.042	12.15	1051.31	1072.99	1.02	89.66	12.15	6.25	6.38
Nippani	14.3	12.48	0	0	12.48	87.283	1.818	12.72	887.31	913.9	1.03	89.9	12.72	6.21	6.39
Bijapur	87.95	76.41	0	0	76.41	86.874	11.544	13.13	5766.79	5507.96	0.96	82.98	17.02	6.56	6.26
Bagalkot	32.7	28.48	0	0	28.48	87.088	4.222	12.91	2261.47	2117.33	0.94	81.54	18.46	6.92	6.47
Ilkal	22.76	20.07	0	0	20.07	88.196	2.686	11.8	1704.19	1712.74	1.01	88.64	11.36	7.49	7.53
Jamkhandi	12.11	10.49	0	0	10.49	86.649	1.617	13.35	796.292	784.401	0.99	85.36	13.35	6.57	6.48
Rabakavi-Banahatti	11.17	9.61	0	0	9.61	85.993	1.565	14.01	638.959	645.537	1.01	86.88	13.12	5.72	5.78

Distribution Loss

HESCOM is able to achieve the T & D loss to extent of **13.66 % (provisional)** up to Sep-17, as compared to MYT approved of **15.50%** for FY 18

Particulars	FY-18 upto Ag-17 input and Sep-17 DCB
Input Energy including of EHT sales in MU	5136.75
EHT sales	241.00
Input Energy excluding of EHT sales in MU	4895.75
Total sales including EHT sales in MU	4434.98
Total sales excluding EHT sales in MU	4193.98
Distribution loss as a percentage of input energy inclusive of EHT sales in %	13.66
Distribution loss as a percentage of input energy exclusive of EHT sales in %	14.33
Reduction in loss over previous year	1.90

The distribution loss of HESCOM is 13.66 %

Power Purchase -Consumption and Amount FY-18 (Up to Sept-17)

Sl. No.	Name of the IPPs	CON. In MU	AMT Rs. In Crores
		Grand Total 2017-18	
		CON.	AMT
1	KPCL Hydel	584.22	68.89
	TBHE	1.00	0.00
2	KPCL Solar	1.43	0.86
4	KPCL Thermal	1,345.59	605.33
KPCL Total (1+2+3)		1,931.23	675.07
1	NLC	513.74	244.45
2	NTPC	889.87	277.48
3	NTPC VVNL (coal)	48.27	19.89
4	NTECL	104.93	55.29
5	MAPS (NPCIL)	20.47	5.00
6	Kaiga(NPCIL)	229.08	72.96
7	Damodar Valley Corporation	299.43	124.69
8	kudankulam (KKMPP)	125.92	62.55
9	Priyadrashini Jurala Hydro Project	9.37	2.90
	Bihar Mega Power Ltd	0.00	0.00
	& Deoghar Mega Power Ltd	0.00	0.00
10	PGCIL Tr. Charges	0.00	192.62
11	UI Charges	28.37	0.00
CGS Total (5 to 10)		2,269.44	1,057.83
1	Wind Mill (A)	1,006.66	416.17
	PPA not approved by KERC	280.56	0.00
2	Wind Mill MOA (B)	89.26	31.88
3	Mini Hydel	31.41	10.75
4	Co-Generation (With PPA)	6.04	3.04
5	Co-Generation (Without PPA)	24.93	8.62
	Infirm energy HESCOM Share 100% (prior to PPA)	0.00	0.00
6	Solar	132.76	83.61
7	Unauthorised Energy	0.00	0.00
8	Solar farmer scheme (1 to 3 MW) total	18.03	14.69
	Rate not approved by KERC Solar farmer scheme (1 to 3)	36.23	0.00
	Banked Energy of W & B & Infirm Energy Total	2.50	0.00
NCE Total (1+2+3+4+5)		1,628.40	568.77
1	Medium Term	0.00	0.00
2	Short Term	185.62	74.93
3	Section 11	0.00	0.00
4	Major IPPs (UPCL)	791.50	384.68
5	KPTCL Tr,Charges	0.00	267.74
6	IEX	0.00	0.00
8	SLDC O&M Expenses	0.00	0.00
9	SPPCC/PCKL Adm. Exp	0.00	0.00
10	Open Access Charges	0.00	0.00
11	Tantransco	0.00	0.00
12	LC Charges Related to Purchase of Power	0.00	0.00
13	Inter-Eskom Energy Exchange	0.00	0.00
GRAND TOTAL		6,807.20	3,029.02

RPO for the financial for the month Apr-17 to September-17

a. Non-solar RPO :

Sl. No.	Particulars	Quantum in MU	Cost- Rs. Crs.
1	Total Power Purchase Quantum	6807.20	3029.02
2	Non- Solar Renewable Energy Purchased under PPA route at Generic Tariff including Non-Solar RE purchased from KPCL	1044.12	429.97
3	Non- Solar Short - Term purchase from RE sources only	210.55	83.55
4	Non -solar Short-Term purchase from RE sources under sec-11	0.00	0.00
5	Non - Solar RE purchase under APPPC	89.26	31.88
6	Non - Solar RE purchase pertaining to green energy sold to consumers under green tariff		0.00
7	Non - Solar RE purchased from other ESCOMs		0.00
8	Non - Solar RE sold to other ESCOMs		0.00
9	Non - Solar RE purchased from any other source		
10	Total Non-Solar RE Energy Purchased [No 2+ No3+No4+No5+No7+No9]	1343.93	545.40
11	Non-Solar RE accounted for the purpose of RPO [No 10-No5-No6-No8]	1254.67	513.52
12	Non-Solar RPO complied in % [No 11/No 1]*100	18.43	16.95

b. Solar RPO :

Sl. No.	Particulars	Quantum in MU	Cost- Rs. Crs.
1	Total Power Purchase Quantum from all sources	6807.20	3029.02
2	Solar Energy Purchased under PPA route at Generic Tariff including Solar Energy purchased from KPCL	175.43	86.90
3	Solar energy purchased under Short-Term, excluding sec-11 purchase		
4	Solar Short-Term purchase from RE under sec-11		
5	Solar Energy Purchased under APPPC		
6	Solar Energy pertaining to green energy sold to consumers under green tariff		
7	Solar Energy purchase from other ESCOMs		
8	Solar Energy sold to other ESCOMs		
9	Solar Energy purchased from NTPC as bundled power	13.03	12.26
10	Solar energy purchased from any other source like banked energy purchased at 85% of Generic tariff	0.00	0.00
11	Total Solar Energy Purchased [No 2+ No.3+No.4+No.5+No7+No9+No+10]	188.46	99.16
12	Solar Energy accounted for the purpose of RPO [No 11-No5-No6-No8]	188.46	99.16
13	Solar RPO complied in % [No 12/No 1]*100	2.77	3.27

Note : Total Power Purchased Quantum considered provisionally, subject to reconciliation/ finalization with SLDC

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Institution wise Provisional Debt Servicing (D9 Format)

Rs.in Crores

Sl. No.	Particulars	Mode of Payment	2017-18					CB 30.09.2017
			ROI	OB 01.04.2017	Receipt	Repayment	Interest	
I	Loans transferred from KPTCL							
2	REC (APDRP) (13-3 yrs)	P=Yly (10), I=Qly	9.50	-20.45				-20.45
4	GOK (APDRP)	P=Yly (18), I=Yly	11.50	37.29				37.29
	Total			16.84	0.00	0.00	0.00	16.84
II	Loans raised by HESCOM							
1	REC (Stations) (10.02.06) (3+17 yrs)	P=Yly (17), I=Qly	13.50	32.91		2.45	7.09	30.46
2	REC (RGGVY) (08.02.06) (5+10 yrs)	P=Yly (10), I=Qly	10.40	11.18			0.62	11.18
3	REC 33 KV Lines (Distbn.) (3+17 yrs) (ACSR)	P=Yly,(17) I=Qly	13.50	25.31			0.90	25.31
4	REC (DTC Meters) (2+5 yrs)	P=Yly, (5) I=Qly	12.75	66.73	47.02	0.00	5.06	113.75
5	Additional DTC		12.50	48.55			3.54	48.55
6	REC (IP SET) (3+17 yrs)	P=Yly, (17) I=Qly	11.75	80.45		0.84	3.11	79.61
7	REC (RLMS) (3+17 yrs)	P=Yly, (17) I=Qly	13.50	56.72		2.73	2.18	53.99
8	REC (11 KV Feeders) (3+17 yrs)	P=Yly,(17) I=Qly	12.75	10.49				10.49
9	REC NJY I (3+10) 165.61 Cr	P=Yly,(17) I=Qly	12.50	109.65	1.54	0.00	6.78	111.19
10	REC NJY II (3+10) 134.39 Cr	P=Yly,(17) I=Qly	12.50	112.77	6.79	5.44	5.80	114.12
11	REC NJY III (3+10)		12.50	52.67	8.67	0.00	0.00	61.34
12	11 KV Station Link Line & Reconductoring scheme Code:7095		12.50	61.74	0	0.00	4.60	61.74
13	BJKJ		12.50	14.49	0.00	0.00	0.83	14.49
14	UNIP		12.50	237.37	98.07	0.00	15.90	335.44
15	UG Cable Hubballi		12.75	46.45	5.48	0.00	2.77	51.93
16	UG Cable Belgaum	P=Yly,(17) I=Qly	12.75	121.27	16.56	0.00	7.34	137.83
	Total of Stations			1088.75	184.12	11.46	66.52	1261.42
3	Medium Term Loan REC Peoried 3 Years		13.00	283.55	100.00	87.08	13.75	296.47
	Total			283.55	100.00	87.08	13.75	296.47
1	PFC (01.02.06) (Repayment from 01.01.07) (12 yrs)(HESCOM)	P=Qly (48), I=Qly	11.00	0.94		0.13	0.02	0.81
2	PFC R-APDRP Part A + B	P=Yly, I=Yly,	11.50	33.09				33.09
	PFC-BLC 500 STL				500.00		8.05	500.00
3	PFC-BLC			182.39	39.70		5.89	222.09
	Total			216.42	539.70	0.13	13.96	755.99
III	Syndicate Bank Hubli							
a	Rs. 400 Crores (27.01.2015) (3 yrs)	P=Mly (96), I=Mly	12.00	161.54		55.42	7.87	106.12
	Total			161.54	0.00	55.42	7.87	106.12
b	SBI, Hubli (HESCOM)							
	Rs. 100 Crores (30.03.2016) (2 yrs)	P=Qly (32), I=Mly	11.35	67.70	0	13.93	3.63	53.77
	Total	0.00		67.70	0.00	13.93	3.63	53.77
c	Canara Bank, Hubli.							
	Rs. 300 Crores (Long Term)	I=Mly P=Qly (48),	11.00	202.14		13.72	10.27	188.42
	Total			202.14	0.00	13.72	10.27	188.42
IV	Loans received from GOK							
1	PMGY	P=Yly (20), I=Yly	12.00	2.78				2.78
2	Ganga Kalyan (IP Sets)	P=Yly (10), I=Yly	11.00	0.46				0.46

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3	Power Sector Automation		9.00	0.26				0.26
Total				3.50	0.00	0.00	0.00	3.50
Total Long Term				2040.44	823.82	181.74	116.01	2682.52
V	ODCC (Working Capital)			321.52		0.00		321.52
VI	Guranatte Commission other Charges for raising finance			0.00				0.00
Grand Total (LTL+MTL+CC)				2361.96	823.82	181.74	116.01	3004.04
Note : As per Account 2013-14								
	Note No :5 - Rs 882.59	Long Term Loan & Medium Term Loan Borrowing						
VIIIV	Note No :10 - Rs 390.51							
	Note No :8 - Rs 70.34	Short Term Loan Borrowing						
Total Rs.1343.37								
VII	GRANTS							
1	RGVY 12th Plan			13.65				13.65
2	REC DDUGJY 22.05.2017 scheme code(12151-L TO 12157-L)			19.92				19.92
3	PFC IPDS 12.09.2016 a/No:038			10.31				10.31

<u>ANNUAL REVENUE REQUIREMENT</u>			
Ref.	Particulars	Rs. In Cr.	
Form		FY-18	
		(As apprd in Tariff Order 2017)	Revised Projection
D-1	Energy at Generation Point (Mus)	13283.89	13229.74
	Transmission Loss (units)	447.67	445.84
	Transmission Loss (%)	3.37%	3.37%
D-1	Energy at Interface Point (Mus)	12508.36	12452.68
D-2	Energy Sales (Mus)	10569.56	10522.51
	Distribution Loss (%)	15.50%	15.50%
<u>INCOME:</u>			
D-2	Revenue from sale of power	2843.85	3193.20
D-3	Revenue subsidies & grants	3439.63	3697.47
D-4	Other Income	170.73	203.06
TOTAL INCOME		6,454.21	7,093.73
<u>EXPENDITURE:</u>			
D-1	Purchase of Power	4966.95	4966.95
	Tr. Charges (KPTCL & PGCIL)	535.48	535.48
	SLDC Charges	5.39	5.39
Total Power Purchase Cost		5,507.82	5,507.82
D-5	Repairs & maintenance	744.36	67.07
D-6	Employee Costs		582.47

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D-7	Administrative & General expenses		105.30
	Total O&M expenses	744.36	754.84
D-8	Depreciation & related debits	130.04	161.31
D-9	Interest & Finance charges		
	Interest on loan capital	180.23	206.02
	Interest on working capital	126.71	138.16
	Interest on consumer deposit	49.01	60.26
	Other interest and finance charges		
	Interest on belated payments of IPPs	-	
D-10	LESS: Int. & Fin.charges capitalized	0.00	
	Total Interest and Finance Charges	355.95	404.44
D-11	Other debits (incl. Bad debts)	0.00	10.00
D-12	Extraordinary Items (Exceptional Items : Adjustment of Excess Subsidy paid)	0.00	102.90
D-13	Net prior period (credits) / charges	-	
	Provision for Taxes	0.00	
	Funds towards consumer Relations	0.50	0.50
A-4	Return on Equity		
	Pension and Gratuity Trust arrears		
	LESS:Excess RoE		
	ARR	6,738.67	6,941.81
	Add Regulatory Asset		
	Previous years'surplus/deficit carried forward FY-16	223.23	943.37
	Add Distribution loss incentive-FY16		
	Carrying cost on Regulatory Asset @12%		
	Dis allowance-Capex		
	Net ARR	6,791.17	7,682.12
	REVENUE SURPLUS / (DEFICIT):	507.69	791.46

HESCOM is not proposing any modifications in the approved ARR for FY18 as ordered in the Tariff Order 2017.

HESCOM has made the projections for FY-18, only in order to facilitate for further projections of FY-19.