

AGGREGATE REVENUE REQUIREMENT FOR FY-19 :

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-19. HESCOM has revised the estimations, only in order to facilitate to make further projections for FY-20 required for filing.

ENERGY DETAILS

Particulars	FY-19	FY-19
	(As approved in Tariff Order 2016)	Revised projections
Energy at Generation Point (Mus)	13674.01	13700.52
Transmission Loss (Mus)	447.14	448.01
Transmission Loss (%)	3.27%	3.27%
Energy at Interface Point (Mus)	13226.87	13252.51
Energy Sales (Mus)	11242.84	11277.89
Distribution Loss (%)	15.00%	14.90%

Capital Expenditure of HESCOM for the year 2018-19 (Up to Sept-18)

Sl. No.	Scheme	A/c Head	Exp. Total		Total (Rs. In Crs.)
			Up to (Aug-18)	Sep-18	
1	Mandatory works, Social obligation and other works				
a	Gangakalyan IP sets: SC/ST	47.310, 47.315	-0.41	0.07	-0.34
b	CWIP- Energisation of IP Sets under Schedule Caste Sub Plan (SCP)	14.3057	4.39	0.21	4.6
c	CWIP- Energisation of IP Sets Tribal Sub Plan (TSP)	14.3087	1.42	0.04	1.45
d	Gangakalyan IP sets: Backward.	47.308	0.07	0	0.07
e	Gangakalyan IP sets :Minority.	47.309	0.03	0.01	0.05
f	DCW for SC for HT/LT	47.313	0.27	0	0.27
g	Electrification of Hamlets(Not covered under RGGVY)	14.300, 14.302, 14.303	0.23	0	0.23
h	Electrification of HB/DB/JC/AC (Habitations) under SCP (Not covered under RGGVY)		0	0	0
i	Electrification of TC(Habitations) under TSP (Not covered under RGGVY)		0	0	0
j	CWIP - Energisation of Bore wells drilled under Gangakalyana Scheme by Dr. B. R. Ambedkar Development Corporation Ltd.	14.334	11.37	1.47	12.85
k	CWIP - Energisation of Bore wells drilled under Gangakalyana Scheme by Karnataka Scheduled Tribe Development Corporation Ltd.	14.335	6.84	0.52	7.36
l	CWIP - Energisation of Bore wells drilled under Gangakalyana Scheme by D. Devaraj Urs Backward Class Development Corporation Ltd	14.336	9.51	1.66	11.18
m	CWIP - Energisation of Bore wells drilled under Gangakalyana Scheme by Karnataka Minorities Development Corporation Ltd	14.337	3.09	0.44	3.54
n	Electrification of BPL Households (Not covered under RGGVY)	14.3607	0	0	0
o	Bhagya Jyothi Scheme	14.35	0	0	0

Application for Approval of Annual Performance Review for FY-18 and Approval for ARR & ERC under MYT period FY-20-22 and ERC and Tariff Filing for FY-20.

p	RGGVY	14.367,	0.34	0	0.34
q	Rehabilitation of flood affected villages(special programme).	14.177, 14.375	0.12	0	0.12
r	CWIP-Special Development Plan- Installation of Additional Distribution Transformers.	14.191 to 14.194	7.34	0.96	8.3
s	CWIP - DDUGJY - Electrification of UE Villages	14.42	0.34	0.28	0.61
I	Sub - total		44.96	5.67	50.63
II	Expansion of network and system improvement works.				
a	E & I works.	14.1407, 14.1477, 14.1497, 14.1507, 14.1517, 14.1607, 14.176, 14.2407	22.26	4.43	26.68
b	Energisation of IP sets under general.	14.320, 14.321, 14.323, 14.324, 14.325	11.33	0.4	11.73
c	Service connections other than IP/BJ/KJ/Water works.	14.4007, 47.3057, 14.155, 14.142	3.25	-2.21	1.03
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,	3.74	0	3.74
e	Augmentation of 33 KV stations.	14.1296,14.121	11.25	1.43	12.68
f	Construction of 11 KV lines for 33 KV / 110 KV sub-stations.	14.1457	5.7	0.03	5.73
g	Nirantar Jyoti Yojana.	14.1627, 14.1626	18.74	4.11	22.85
h	R- APDRP.	14.1787	1	0.32	1.33
i	UG cables	14.19	17.8	0	17.8
II	Sub - total		95.07	8.5	103.57
III	Reduction of T & D and ATC loss				
a	Providing meters to un-metered IP sets.	14.401	0	0	0
b	Providing meters to un-metered BJ/KJ installations.	14.351,14.361	0.01	0	0.01
c	Replacement of faulty / MNR energy meters by static meters.	14.1587	2.04	0.42	2.46
d	Replacement of more than 10 year old electromechanical energy meters by static meters.		0	0	0
e	DTC's metering (Other than APDRP)	14.1717, 14.1727	6.29	1.89	8.18
f	Replacement of 33 KV lines Rabbit conductor by Coyote conductor.	14.1686	0	0	0
g	Replacement of 11 KV lines Weasel conductor by Rabbit conductor.	14.1467	0.57	0.01	0.58
h	Replacement of age old LT conductor by Rabbit conductor.	14.174	1.69	1.74	3.43
III	Sub - total		10.6	4.06	14.66
IV	New initiatives works				
a	IT initiatives, automation and call centre	14.183	4.8	0	4.8
b	CWIP - Implementation of Pre-paid Energy Meters using Smart Card/Key Pad Technology for Temporary installations.	14.184, 14.185	0.11	0.18	0.29
c	Pilot project of installation of energy efficient motors	14.1666, 14.1667	0	0	0
d	Pilot for smart grid/sprinkler/drip irrigation system	14.1306, 14.1307	0	0	0
e	Establishing ALDC & SCADA.		0.08	-0.05	0.03
IV	Sub - total		4.99	0.12	5.11

V	Replacement and other miscellaneous works				
a	Replacement of failed distribution transformers.	14.1697, 14.1707	60.33	11.28	71.61
b	Replacement of Power Transformers.	14.187	0.04	0	0.04
c	Replacement of old and failed equipment's and other works of existing 33 KV stations and lines.	14.1176, 14.1286	4.47	0.66	5.13
d	Preventive measures to reduce the accidents. (Providing intermediate poles replacement of deteriorated conductor, DTC earthing etc.)	14.152, 14.175	4.34	1.05	5.39
e	T&P materials.	10.7117 to 10.9847	0.71	0.1	0.82
f	RLMS	14.159	0.07	0	0.07
g	Creating infrastructure to UAIP Sets	14.167	29.59	1.31	30.9
h	Civil Engineering works. & Solar RPTV Grid connected power plants on the Roof Top of HESCOM Buildings	14.501, 14.502	13.45	2.76	16.22
i	Providing 25KVA Transformer to IP set installation serviced under Tatkal scheme.	14.332	3.92	0.54	4.45
V	Sub - total		116.94	17.7	134.63
VI	Others				
a	Assets procured but not issued - Other miscellaneous Equipment's.	10.999	0	0	0
b	CWIP-IT based work/Computerisation under APDRP Works	14.144	0.2	0.01	0.21
c	CWIP -Regularisation of Unauthorised connections detected during ATL Scheme in March and April-2002	14.154	0	0	0
d	CWIP metering of Street Light installations	14.156	0	0	0
e	CWIP metering of Water Works installations	14.157	0	0	0
f		14.161	0	0	0
g	CWIP - Ganga Kalyan Scheme Works	14.182	0	0	0
h	CWIP-Kutira Jyoti under Schedule Caste Sub Plan (SCSP).	14.306	0	0	0
i	CWIP-Electrification of Tribal colonies under Tribal Sub Plan (TSP).	14.307	0.11	0.1	0.2
j	CWIP-Kutira Jyoti under Tribal Sub Plan (TSP).	14.309	0	0.01	0.02
k	CWIP - P/S new IP sets submerged IP sets of same consumer under UKP rehabilitation programme	14.322	0	0	0
l	CWIP-Power supply to IP set under 11kv HT line (100% of the estimate cost)	14.331	25.37	2.3	27.68
m	CWIP - Kutir Jyoti (under Rajeeva Gandhi Rural Housing Corporation (RGRHC) Scheme)	14.366	0	0	0
n	CWIP- Other civil works	14.504	0	0	0
o	Capital Expenditure Categorised -IT based works R-APDRP	14.906	0.04	0	0.04
p	Capital Expenditure Categorised- Distribution Works - R-APDRP	14.907	0.14	0	0.14
q	Advance power charges.	47.301	-0.14	-0.03	-0.17
r	Deposit Works	47.306	0.56	-0.03	0.53
s	Ganga Kalyana Scheme - Deposits received	47.307	-0.04	0	-0.04
t	Cost collected from IP set applicants in gray and black taluk	47.314	0	0	0
u	CWIP- DDUGJY	14.421, 14.422, 14.423, 14.424, 14.425	10.6	4.01	14.62

v	CWIP- IPDS	14.410, 140.411, 14.412, 14.413, 14.414, 14.415, 14.416, 14.417, 14.418	4.94	1.94	6.88
VI	Sub - total		41.8	8.32	50.12
Total (I+II+III+IV+V+VI)			314.35	44.36	358.72

Revised Capital Expenditure for FY-19.

The Commission approved a capital budget of Rs. 732.55 Crs for FY-19 vide Tariff Order 2016 Dtd: 30.03.2016 and approved revised Capex for FY-19 of Rs. 1298.16 Crs vide Tariff Order 2018 Dtd : 14.05.2018.

Revised Capital Expenditure for FY-19.

Rs. in Crores

Sl. No.	Scheme	MYT Approved Capital budget for FY 19 vide Tariff Order 2016	Approved Capital budget for vide Tariff Order 2018	Revised Capital Budget FY-19
1	Mandatory works, Social obligation and other works			
a	Gangakalyan IP sets	25	50.00	64.44
b	Special Development Plan for backward talukas under Nanjundappa scheme(SDP)	20	20.00	15.68
c	Electification of Hamlets(Not covered under RGGVY)	1	10.00	2.17
d	Electification of HB/DB/JC/AC (Habitations) under SCP (Not covered under RGGVY)	0.5	20.00	7.00
e	Electification of TC(Habitations) under TSP (Not covered under RGGVY)	0.5	10.00	2.17
f	Electification of BPL Households covered under RGGVY (Not	1	2.00	4.00
g	Water works	5	25.00	28.64
h	RGGVY	3	6.00	2.86
i	DDGUVY	100	100.00	65.64
j	Maadari Grama	0	65.00	43.60
	Sub - total	156.00	308.00	236.20
2	Expansion of network and system improvement works.			
a	E & I works.	25	85.00	96.55
b	Energisation of IP sets under general.		8.00	24.17
c	Energisation of IP sets as per GOK	125	100.00	110.00
d	Service connections other than IP/BJ/KJ/Water works.	30	20.00	18.85
e	Construction of new 33 KV stations and lines.	4	30.00	62.79
f	Augmentation of 33 KV stations.	3	20.00	26.32
g	Construction of 11 KV lines for 33 KV / 110 KV sub-stations.	5	25.00	25.00
h	Nirantar Jyoti Yojana.	40	10.00	1.07
		30	70.00	30.00
i	Providing prepaid meters to temporary installations		5.40	3.65
j	Providing numerical relays to provide power supply to farm houses		7.30	7.30
k	Providing 16KVA Transformers for A/P/S to farm houses in Chikodi Division		6.20	5.01
l	R- APDRP.	20	5.00	0.16
m	R-APDRP exclusively for Modem and meters	1	2.00	0.55
n	IPDS IT initiative Phase II	0	10.00	10.57
o	IPDS	50	60.01	60.36
p	Soubhagya Yojane	0		6.00
q	The work of Supply of Hardware, Supervisory Manpower (for Technical Support) and Development of Software (End to End Solution including Google Map Subscription for 2 Years, if applicable) to Support Enumeration of IP Sets in HESCOM Jurisdiction (except Bailhongal O & M Division) through GIS Application and Maintenance for 2 Years	0		4.47
ii	Sub - total	333.00	463.91	492.82
3	Reduction of T & D and ATC loss			
a	Providing meters to un-metered IP sets.	0.05	0.25	5.26
b	Providing meters to un-metered BJ/KJ installations.	0	2.00	1.24
c	Replacement of faulty / MNR energy meters by static meters.	5	10.00	5.69
d	Replacement of more than 10 year old electromechanical energy meters by static meters.	50	25.00	22.60
e	Fixing of boxes to Single Phase Meters	0	25.00	10.00

Application for Approval of Annual Performance Review for FY-18 and Approval for ARR & ERC under MYT period FY-20-22 and ERC and Tariff Filing for FY-20.

f	DTC's metering (Other than APDRP)	25	35.00	15.66
g	Replacement of 33 KV lines Rabbit conductor by Coyote conductor.	5	15.00	15.94
h	Replacement of 11 KV lines Weasel conductor by Rabbit conductor.	10	25.00	26.70
i	Replacement of age old LT conductor by Rabbit conductor.	6	20.00	30.00
j	HVDS (Pilot project for 1 district/year)	1	20	10.00
k	NEF (REC) for replacing 11 KV OH feeders by UG Cables in Hubli and Belgaum cities.	100	70	70.00
l	Replacing 11 KV OH feeders by UG Cables in Dharwad and Vijayapur cities.	0		25.00
iii	Sub - total	202.05	247.25	238.09
4	New initiatives works			
a	IT initiatives, automation and call centre	1	6.00	6.49
	Smart Grid	0.5	5.00	
b	Providing solar roof tops to HESCOM office buildings	2	20	11.65
c	Establishing ALDC & SCADA.	1	3.00	2.82
d	Thermal Imaging and GIS Mapping of DTCs	5		
e	Special pilot project for Statergic Business Centre at Gadag Division	1	1	1.00
f	Smart City /Smart Meters	0	50	40.00
g	DSM Projects	0	1	1.00
iv	Sub - total	10.50	86.00	62.96
5	Replacement and other miscellaneous works			
a	Replacement of failed distribution transformers.	5	10.00	10.00
b	Replacement of Power Transformers.	2	8.00	6.57
c	Replacement of old and failed equipments and other works of existing 33 KV stations and lines.	3	10.00	14.54
d	Preventive measures to reduce the accidents. (Providing intermediate poles replacement of deteriorated conductor, DTC earthing etc.)	5	25.00	40.00
e	T&P materials.	1	5.00	5.00
f	Creating infrastructre to UAIP Sets	10	15.00	15.00
g	Civil Engineering works.	5	35.00	42.84
h	Refurbishing works on HT/LT/DTC in O & M Divisions	0.00	85.00	85.00
i	Corporate Office Reserve for Emergency	0.00		50.00
v	Sub - total	31.00	193.00	268.95
	Total (i+ii+iii+iv+v)	732.55	1298.16	1299.02

DIVISION-WISE ENERGY BALANCE STATEMENT OF HESCOM

FY-19 (UP TO Aug-18)

Sl. No.	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 %	01-04-2018 to Aug-18		
			Metered Energy in MU	Unmetered Energy in MU	Total Energy in MU				Demand	Colln			AT & C Loss in %	ARD (Rs / U)	ARR (Rs / U)
1	Hubballi Urban	188.89	175.83	0	175.83	13.07	93.08	6.92	13842.45	13579.52	98.1	91.31	8.69	7.33	7.19
2	Hubballi Rural	51.37	33.35	13.9	47.25	4.12	91.98	8.02	3594.49	3300.07	91.81	84.45	15.55	7	6.42
3	Dharwad Urban	77.46	69.87	0	69.87	7.59	90.2	9.8	5601.67	5878.25	100	90.2	9.8	7.23	7.59
4	Dharwad Rural	123.98	82.17	24.45	106.61	17.37	85.99	14.01	7633.13	9161.34	100	85.99	14.01	6.16	7.39
5	Gadag	157.07	89.09	45.9	135	22.08	85.95	14.05	9615.4	11805.68	100	85.95	14.05	6.12	7.52
6	Ron	54.69	22.86	21.37	44.24	10.45	80.89	19.11	3133.23	4196.98	100	80.89	19.11	5.73	7.67
7	Sirsi	90.71	64.27	18.4	82.68	8.04	91.14	8.86	5751.57	7365.54	100	91.14	8.86	6.34	8.12
8	Dandeli	71.55	37.72	26.01	63.73	7.82	89.08	10.92	4340.84	4591.19	100	10.92	10.92	6.07	6.42
9	Karwar	92	75.24	0.95	76.19	15.81	82.81	17.19	6695.46	6991.71	100	17.19	17.19	7.28	7.6
10	Honnavar	76.32	65.78	1.79	67.57	8.74	88.54	11.46	4733.65	4818.14	100	11.46	11.46	6.2	6.31
11	Haveri	143.25	74.51	53.08	127.59	15.66	89.07	10.93	9546.26	13314.12	100	89.07	10.93	6.66	9.29
12	Ranebennur	151.49	74.08	59.38	133.46	18.03	88.1	11.9	9460.93	14545.11	100	88.1	11.9	6.25	9.6
13	Belagavi Urban	233.44	207.41	0	207.41	26.03	88.85	11.15	15738.41	16632.83	100	88.85	11.15	6.74	7.13
14	Belagavi Rural	250.59	169.57	46.34	215.91	34.67	86.16	13.84	12753.08	12753.08	100	86.16	13.84	5.09	5.09
15	Bailhongal	251.73	63.82	149.53	213.34	38.39	84.75	15.25	14130.05	13744.12	97.27	82.43	17.57	5.61	5.46
16	Ramadurg	158.71	15.86	118.84	134.7	24.01	84.87	15.13	8666.04	8692.6	100	84.87	15.13	5.46	5.48
17	Ghataprabha	338.07	83.34	210	293.34	44.73	86.77	13.23	18379.05	18962.64	100	86.77	13.23	5.44	5.61
18	Chikkodi	257.77	72.6	144.8	217.41	40.36	84.34	15.66	14417.62	14029.37	97.31	82.07	17.93	5.59	5.44
19	Athani	317.8	82.9	190.4	273.3	44.5	86	14	16112.64	16445.51	100	86	14	5.07	5.17
20	Raibag	317.15	20.74	246.71	267.45	49.69	84.33	15.67	16931.9	16869.67	99.63	84.02	15.98	5.34	5.32
21	Vijayapur	315.89	112.66	166.07	278.73	37.16	88.24	11.76	19541.4	20841.92	100	88.24	11.76	6.19	6.6

Application for Approval of Annual Performance Review for FY-18 and Approval for ARR & ERC under MYT period FY-20-22 and ERC and Tariff Filing for FY-20.

22	Indi	330.93	52.51	231.02	283.53	47.41	85.68	14.32	18167.66	19010.95	100	85.68	14.32	5.49	5.74
23	B Bagewadi	202.47	79.27	99.12	178.39	24.07	88.11	11.89	10514.44	10044.73	95.53	84.17	15.83	5.19	4.96
24	Bagalkot	349.17	126.87	178.35	305.23	43.95	87.41	12.59	20941.76	23770.34	100	87.41	12.59	6	6.81
25	Jamkhandi	403.09	61.88	288.18	350.06	53.03	86.84	13.16	23310.9	23752.96	100	86.84	13.16	5.78	5.89
26	Mudhol	335.25	45.42	238.72	284.13	51.12	84.75	15.25	18408.41	20014.53	100	84.75	15.25	5.49	5.97
	TOTAL	5088.37	1887.73	2521	4408.8	679.6	86.64	13.36	295499	318176.4	100	86.64	13.36	5.81	6.25

**ENERGY AUDIT OF TOWNS AND CITIES
CALCULATION OF DISTRIBUTION AND AT&C LOSSES**

(Provisional)

April -2018-Aug-2018																	
Sl.No	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 (In %)	Demand (Rs.In Lakhs)	Collection (Rs.In Lakhs)	Collection Efficiency (Business Efficiency	AT&C Loss In %	Demand per unit input (Rs.per Unit)	Collection per Unit input (Rs.per Unit)	Remarks
	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)	17
1	Hubli	182.12	167.48	0	0	167.48	91.959	14.644	8.04	13458.17	13442.22	1	91.9	8.04	7.39	7.38	
2	Dharwad	76.69	67.99	1.45	0	69.43	90.543	7.252	9.46	5491.95	5121.10	0.93	84.4	15.57	7.16	6.68	
3	Sirsi	14.35	12.69	0	0	12.69	88.41	1.663	11.59	1001.65	985.77	1	88.4	11.59	6.98	6.87	
4	Dandelli	10.31	9.43	0	0	9.43	91.4	0.887	8.6	650.10	663.11	1	91.4	8.6	6.3	6.43	
5	Karwar	20.98	19.27	0	0	19.27	91.819	1.717	8.18	1568.83	1449.82	0.92	84.9	15.15	7.48	6.91	
6	Gadag	29.56	25.96	0	0	25.96	87.819	3.601	12.18	2076.24	2042.31	0.98	86.4	13.62	7.02	6.91	
7	Haveri	12.94	11.55	0	0	11.55	89.229	1.394	10.77	944.55	963.25	1	89.2	10.77	7.3	7.44	
8	Ranebennur	17.36	15.34	0	0	15.34	88.381	2.017	11.62	1189.05	1182.01	1	88.4	11.62	6.85	6.81	
9	Belgaum	188.33	165.39	6.63	0	172.02	91.336	16.317	8.66	14427.70	15321.98	1	91.3	8.66	7.66	8.14	
10	Gokak	17.15	15.35	0	0	15.35	89.537	1.794	10.46	1145.56	1127.44	0.98	88.1	11.88	6.68	6.57	
11	Nippani	13.95	12.72	0	0	12.72	91.168	1.232	8.83	886.86	939.65	1	91.2	8.83	6.36	6.74	
12	Bijapur	90.96	77.81	0	0	77.81	85.544	13.149	14.46	5567.60	5610.68	1	85.5	14.46	6.12	6.17	
13	Bagalkot	32.86	28.62	0	0	28.62	87.102	4.238	12.9	2368.32	2406.69	1	87.1	12.9	7.21	7.32	
14	Ilkal	19.48	17.61	0	0	17.61	90.398	1.871	9.6	1452.75	1463.64	1	90.4	9.6	7.46	7.51	
15	Jamkhandi	12.05	10.17	0	0	10.17	84.404	1.879	15.6	808.06	802.43	1	84.4	15.6	6.71	6.66	
16	Rabakavi-Banahatti	11.05	9.67	0	0	9.67	87.523	1.379	12.48	695.83	739.46	1	87.5	12.48	6.3	6.69	
	HESCOM	750.2	667.04	8.08	0	675	90.00	75.034	10	53733.22	54261.54	1	0.9	10	7.16	7.23	

Distribution Loss

HESCOM is able to achieve the T & D loss to extent of **13.36 % (provisional)** up to Aug-18 input Sep-18 DCB, as compared to MYT approved of **14.90%** for FY 19.

Particulars	FY-19 upto Aug-18 input and Sep-18 DCB
Input Energy including of EHT sales in MU	5088.37
EHT sales	280.93
Input Energy excluding of EHT sales in MU	4807.44
Total sales including EHT sales in MU	4408.75
Total sales excluding EHT sales in MU	4127.82
Distribution loss as a percentage of input energy inclusive of EHT sales in %	13.36
Distribution loss as a percentage of input energy exclusive of EHT sales in %	14.13
Reduction in loss over previous year	1.4

The distribution loss of HESCOM is 13.36 %

Power Purchase -Consumption and Amount FY-19 (Up to Sept-18)

Sl. No.	Name of the IPPs	Grand Total 2018-19	
		CON.IN MU	AMT In Cr
1	KPCL Hydel	1,431.23	132.11
	TBHE	4.41	0.00
2	KPCL Solar	1.23	0.74
4	KPCL Thermal	1,040.41	722.63
KPCL Total (1+2+3)		2,472.87	855.47
1	NLC	303.98	147.54
2	NTPC	613.31	237.05
3	NTPC VVNL (coal)	33.63	14.60
4	NTPC NSM	198.16	63.35
5	NTECL	58.15	38.75
6	MAPS (NPCIL)	12.51	3.77
7	Kaiga(NPCIL)	216.35	82.70
8	Damodar Valley Corporation	251.98	97.75
9	kudankulam (KKMPP)	126.01	73.33
10	Priyadrashini Jurala Hydro Project	10.63	5.08
11	PGCIL Tr. Charges	0.00	180.37
12	South western Railways(UI)	-0.68	0.56
13	UI Charges	-20.68	3.16
CGS Total (5 to 10)		1,803.35	948.00
1	Wind Mill (A)	1,528.60	647.97
2	Wind Mill MOA (B)	103.05	36.81
3	Mini Hydel	33.65	11.62
4	Co-Generation (With PPA)	0.39	1.23
5	Co-Generation Short term (NEW PPA)	34.42	12.76
6	Solar	520.46	262.88
7	Unauthorised Energy	0.00	0.00
8	Solar farmer scheme (1 to 3 MW) total	36.16	23.45
	Banked Energy of W & B & Infirm Energy Total	23.61	8.43
NCE Total (1+2+3+4+5)		2,280.33	1,005.15
1	Medium Term	0.00	0.00
2	Short Term	120.73	49.40
3	Section 11	0.00	0.00
4	Major IPPs (UPCL)	308.93	191.79
5	KPTCL Tr,Charges	0.00	267.74
6	IEX	-88.47	0.00
8	SLDC O&M Expenses	0.00	1.33
9	SPPCC/PCKL Adm. Exp	0.00	0.00
10	Open Access Charges	0.00	0.00
11	Tantransco	0.00	0.01
12	LC Charges Related to Purchase of Power	0.00	0.00
13	Inter-Escom Energy Exchange	0.00	0.00
GRAND TOTAL		6,902.15	3,318.89
	Less:		
	M/s HRECS	167.76	70.87
NET TOTAL		6,734.39	3,248.02

RPO for the financial for the month Apr-18 to September-18

a. Non-solar RPO

No.	Particulars	Quantum in MU	Cost- Rs. Crs.
1	Total Power Purchase Quantum	6887.11	3181.70
2	Non- Solar Renewable Energy Purchased under PPA route at Generic Tariff including Non-Solar RE purchased from KPCL	1562.64	660.82
3	Non- Solar Short - Term purchase from RE sources only	34.42	12.76
4	Non -solar Short-Term purchase from RE sources under sec-11	0.00	0.00
5	Non - Solar RE purchase under APPPC	103.05	36.81
6	Non - Solar RE purchase pertaining to green energy sold to consumers under green tariff	0.00	0.00
7	Non - Solar RE purchased from other ESCOMs	0.00	0.00
8	Non - Solar RE sold to other ESCOMs	0.00	0.00
9	Non - Solar RE purchased from any other source	23.61	8.43
10	Total Non-Solar RE Energy Purchased [No 2+ No.3+No.4+No.5+No.6+No.9]	1723.72	718.82
11	Non-Solar RE accounted for the purpose of RPO [No 9- No.4-No.5- No.7]	1620.67	682.01
12	Non-Solar RPO complied in % [No 10/No 1]*100	23.53	21.44

b. Solar RPO

No.	Particulars	Quantum in MU	Cost- Rs. Crs.
1	Total Power Purchase Quantum from all sources	6887.11	3181.70
2	Solar Energy Purchased under PPA route at Generic Tariff including Solar Energy purchased from KPCL	427.36	214.03
3	Solar energy purchased under Short-Term, excluding sec-11 purchase	0.00	0.00
4	Solar Short-Term purchase from RE under sec-11	0.00	0.00
5	Solar Energy Purchased under APPPC	0.00	0.00
6	Solar Energy pertaining to green energy sold to consumers under green tariff	0.00	0.00
7	Solar Energy purchase from other ESCOMs	0.00	0.00
8	Solar Energy sold to other ESCOMs	0.00	0.00
9	Solar Energy purchased from NTPC as bundled power	129.26	72.30
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.6+No.8+No.9]	556.62	286.33
12	Solar Energy accounted for the purpose of RPO [No 10- No.4-No.5-No.7]	556.62	286.33
13	Solar RPO complied in % [No 11/No 1]*100	8.08	9.00

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

Institution wise Provisional Debt Servicing (D9 Format)

Rs.in Crores

Sl. No.	Particulars	2018-19				CB 31.03.2019
		OB 01.04.2018	Receipt	Repayment	Interest	
I	Loans transferred from KPTCL					
2	REC (APDRP) (13-3 yrs)	-20.45				-20.45
4	GOK (APDRP)	31.85		5.44	2.02	26.41
	Total	11.4	0	5.44	2.02	5.96
II	Loans raised by HESCOM					
1	REC (Stations) (10.02.06) (3+17 yrs)	57	64	9.66	3.8	111.34
2	REC (RGGVY) (08.02.06) (5+10 yrs)	9.18	12.4	11.11	0.95	10.47
3	REC 33 KV Lines (Distbn.) (3+17 yrs) (ACSR)	10.45	20.4	6.67	1.25	24.18
4	REC (DTC Meters) (2+5 yrs)	71.47		7.47	8.67	64
5	Additional DTC	64.04	28	12.53	4.94	79.51
6	REC (IP SET) (3+17 yrs)	40.7	15.55	16.91	4.57	39.34
7	REC (RLMS) (3+17 yrs)	28.36	12.5	6.72	3.2	34.14
8	REC NJY I (3+10) 165.61 Cr	105.25	30	6.1	12.47	129.15
9	REC NJY II (3+10) 134.39 Cr	98.34	56	14.42	11.58	139.92
10	REC NJY III (3+10)	78.29	30	8.8	9.15	99.49
11	11 KV Station Link Line & Reconductoring scheme Code:7095	116.09	35	12.1	18.55	138.99
12	BJKJ	13.45	40	8.45	1.46	45
13	UNIP	458.17	42	8.29	52.28	491.88
14	UG Cable Hubballi	75.28	2	1.45	8.81	75.83
15	UG Cable Belgaum	176.22	121	22.1	20.29	275.12
16	REC THERMOGRAPHY (9138)	9.5	13.01	4.23	1.05	18.28
17	REC NUMERICAL RELAYS IP SETS (13131)	4.23	20	2.18	0.47	22.05
18	REC STATIC METER	71.59	13		7.89	84.59
19	REC GANGA KALYANA IP SETS 2016-17 (13618)	59.69	16	0	6.08	75.69
20	REC GANGA KALYANA IP SETS 2017-18 (13620)	46.32	24	0	6.76	70.32
21	REC 33/11KV Sub Station and Constructions Athani,Raibag,Bagalkot, Dharwad Rural		8.62	0	0	8.62
	Total of Stations	1593.63	603.48	159.19	184.2	2037.92
3	Medium Term Loan REC Peoried 3 Years	569.44	400	350.03	74.09	619.41
	Total	569.44	400	350.03	74.09	619.41
1	PFC (01.02.06) (Repayment from 01.01.07) (12 yrs)(HESCOM)	0.4	0	0.4	0.04	0
2	PFC R-APDRP Part A + B	36.9	0	0	0	36.9
	PFC- 500 STL	336.16	0	336.16	7.86	0
	PFC-Flexi Rs.200 Cr (09/10)	200	190	200	17.08	190
	PFC STL		250		16.04	250
3	PFC-BLC	267.27	0	13.68	33.14	253.59
	Total	840.73	440	550.24	74.16	730.49
III	Syndicate Bank Hubli					
a	Rs. 400 Crores (27.01.2015) (3 yrs)	31.33	0	31.33	0.37	0
	Total	31.33	0	31.33	0.37	0

b	SBI, Hubli (HESCOM)					
	Rs. 100 Crores (30.03.2016) (2 yrs)	37.14	0	37.14	3.27	0
	Total	37.14	0	37.14	3.27	0
c	Canara Bank, Hubli.					
	Rs. 300 Crores (Long Term)	169.73	0	23	19.03	146.73
	Total	169.73	0	23	19.03	146.73
IV	Loans received from GOK					
1	PMGY	2.41	0	1.21	0	1.21
2	Ganga Kalyan (IP Sets)	0.47	0	0.23	0	0.23
3	Power Sector Automation	0.13	0	0.07	0	0.07
	Total	3.01	0	1.5	0	1.5
	Total Long Term	3256.42	1443.48	1157.88	357.15	3542.03
V	ODCC (Working Capital)	356.49	115.87	117.75	0	354.61
VI	Guranatte Commission other Charges for raising finance	0				0
	Grand Total (LTL+MTL+CC)	3612.91	1559.35	1275.63	357.15	3896.64

ANNUAL REVENUE REQUIREMENT-FY-19

Rs. In Crs

Ref. Form	Particulars	(As approved in Tariff Order 2018)	Revised Projection
D-1	Energy at Generation Point (Mus)	13333.57	13700.52
	Transmission Loss (units)	410.67	448.01
	Transmission Loss (%)	3.08%	3.27%
D-1	Energy at Interface Point (Mus)	12576.27	13252.51
D-2	Energy Sales (Mus)	10702.41	11277.89
	Distribution Loss (%)	14.90%	14.90%
<u>INCOME:</u>			
D-2	Revenue from sale of power	3355.92	3503.04
D-3	Revenue subsidies & grants	3602.55	4119.8
D-4	Other Income	224.02	279.2
	TOTAL INCOME	7,182.49	7,902.04
<u>EXPENDITURE:</u>			
D-1	Purchase of Power	4818	5484.94
	Tr. Charges (KPTCL & PGCIL)	555.72	900.15
	SLDC Charges	5.30	5.83
	Total Power Purchase Cost	5,379.02	6,390.92
D-5	Repairs & maintenance		74.58
D-6	Employee Costs	835.77	626.91
D-7	Administrative & General expenses		117.09
	Total O&M expenses	835.77	818.58
D-8	Depreciation & related debits	156.53	202.58
D-9	Interest & Fiance charges		
	Interest on loan capital	201.54	285.54
	Interest on working capital	140.69	
	Interest on consumer deposit	48.33	48.08
	Other interest and finance charges		
	Interest on belated payments of IPPs	-	-

D-10	LESS: Int. & Fin. charges capitalized		
	Total Interest and Finance Charges	390.56	333.62
D-11	Other debits (incl. Bad debts)	0	26.5
D-12	Extraordinary Items (Exceptional Items : Adjustment of Excess Subsidy paid)	0	102.9
D-13	Net prior period (credits) / charges	-	
	Provision for Taxes	0	
	Funds towards consumer Relations	0.5	0.5
A-4	Return on Equity		
	Pension and Gratuity Trust arrears		
	LESS: Excess RoE		
	ARR	6,538.36	7,875.59
	Add Regulatory Asset		
	Previous years' surplus/deficit carried forward FY-18	741.17	977.31
	Add Distribution loss incentive-FY16		
	Carrying cost on Regulatory Asset @12%		
	Dis allowance-Capex		
	Net ARR	7,055.51	8,573.71
	REVENUE SURPLUS / (DEFICIT):	-97.04	-950.87

HESCOM is not proposing any modifications in the approved ARR for FY19 as ordered in the Tariff Order 2018.

HESCOM has made the projections for FY-19, only in order to facilitate for further projections of FY-20 to FY-22.