

CHAPTER-7

Aggregate Revenue Requirement for MYT FY-23 to FY-25

Distribution Loss :

HESCOM proposes the Distribution Loss for FY22 and FY 23 as noted below.

Particulars	FY-22 (Revised)	FY-23
Energy Sales (Mus)	11629.56	12104.60
Distribution Loss (%)	13.15	13.05
Energy at interface point (Mus)	13390.40	13921.33
Transmission Loss (%)	2.978	2.978
Energy Required to meet the sales of HESCOM	13801.40	14348.63
HRECS Hukkeri (Including Transmission loss) in MUs)	318.72	333.13
AEQUS (Including Transmission loss) in MUs)	31.45	36.86
Total	14151.57	14718.62

The Hon'ble KERC has approved distribution loss of 13.50 % for FY-22 vide Tariff Order Dtd: 09.06.2021.

Proposed Capital outlay for FY- 23, FY- 24 and FY -25 :

Proposed Capital outlay for next 3 years with respect to FY 23, FY 24 and FY 25 is 1469.52, 1549.14, and 1688.64 respectively. Capital Budget is distributed among all the essential works.

The details of Annual Investment Plan is appended below:

- ❖ Annual Investment Plan includes all the planned and Non Plan works
- ❖ Capital budget provision is made for commissioned works, on going works and works that have been proposed to be taken up.
- ❖ As per the circular from GOK vide: No:EN41/VSC/2014/ P1 Dt:14-07-2014 to arrange power supply to the IP Sets , tender has been initiated for which budgetary provision has been made for execution of all works under this scheme. Also provision for IP Sets under Sheegra Samparaka, and IP sets under plan 75:25 ratio is being made.
- ❖ Provision is made for metering which in turn yield in reduction in Technical and Commercial losses and also supports in Energy Auditing in more technical way.
- ❖ Appropriate provision is made for Social obligatory works such as Ganga Kalyan works, SDP, TSP, SCSP to meet the objectives of GOK.


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- ❖ Budget provision for construction of new link lines from new 110 KV sub stations is proposed.
- ❖ Investment provision is made on System strengthening works such as Reconductoring, of 33/11 KV lines .
- ❖ Preventive Measure works will be taken in order to improve tail end voltage and reduction of losses and prevents Accidents. All the hazardous installations are covered under this scheme.
- ❖ Investment provision is made on E & I works like additional DTCs, feeder bifurcation, line conversion, shifting of transformer to load centre, enhancement of transformers etc are considered for energy saving and Quality supply and reduction of over load thus improving voltage
- ❖ Investment is made on New Stations/ Agumentation and also replacement works in Stations are to be taken up in order to improve quality power supply and reduce distribution losses and to cater load growth.
- ❖ New Projects under IT have been included and payment unde IPDS IT initiative is included for which huge budgetary provision is being made.

Considering all the above factors Annual Investment plan for FY-23 to FY 25 is tentevly proposed. A prestigious new scheme from GOI is envisaged which will be spread across next 5 years for which Budgetary provision approval is yet to be received. After getting approval for this scheme, proportionate budgetary provision with respect to quantum of works will be made in next 5 years.

The schemewise detailed provision is as below:



Sl. No.	Scheme	2021-22	2022-23	2023-24	2024-25
	GOK Sponsered Works				
1	Gangakalyan total	59.82	62.81	78.51	98.14
2	Special Development Plan for backward talukas under Nanjundappa scheme(SDP)	40.68	35	36.75	38.59
3	Rural Electrification under SCSP	7.51	7	7	7
4	Rural Electrification under TSP	1.87	3	3	3
5	Energisation of IP sets under Sheegra Samparka	25.2	37.8	56.71	85.06
6	Creating infrastructre to UAIP Sets (Before and after 2014 GOK circular)	296	280	325	350
7	Arranging Power Supply on HT basis (75:25)	0	2	2	2
8	Nirantar Jyoti Yojana.	1.74	2	2	2
9	Bifurcation of NJY Feeders	2.8	2	2	2
	Sub - total	375.79	368.8	434.46	489.65
	GOI Sponsered Works				
10	DDUGVY	5.67	0	0	0
11	IPDS	42.7	20	10	0

Application for Approval of Annual Performance Review for FY-21 and Approval for ARR & ERC under MYT FY-23 to 25 and Tariff Filing for FY-23.

	Sub - total	48.37	20	10	0
12	Expansion of network and system improvement works.				
a	Additional DTCs	67.65	74.42	81.86	90.05
b	Enhancement of Distribution Transformers	6.57	7.23	7.95	8.75
c	Shifting of existing transformer to load centre	1.48	1.63	1.79	1.97
d	LT line conversion of 1Ph 2 wire or 1Ph 3 wire to 3ph 5 wire	5.9	6.49	7.14	7.85
e	Other E & I Works (DP & GOS)	2.05	2.25	2.48	2.72
f	Construction of new 11 KV lines for 33 KV / 110 KV sub-stations/ linklines for bifurcation of load	61.59	250	300	350
g	11 KV Re-conductoring.	41.97	85	80	80
h	LT Re-conductoring.	37.84	75	70	65
i	Providing covered conductor for villages to prevent Theft/ accident and hazardous condition	0.34	0	0	0
j	Rectification of Hazardous locations .	3.96	0	0	0
	Sub - total	229.35	502.02	551.22	606.34
13	Construction of new 33 KV stations	7.28	15	15	10
	Construction of new 33 KV lines.	10.74	15	15	10
14	Augmentation of 33 KV stations.	9	5	5	4
18	Replacement of 33 KV lines Rabbit conductor by Coyote conductor.	4.63	5	5	4
16	Replacement of old and failed equipments and other works of existing 33 KV stations and lines.	17.99	19.79	21.76	23.94
	Sub - total	49.63	59.79	61.76	51.94
	UG Cable				
17	Replacement of 11 KV OH feeders by UG Cables	7	10	15	20
18	Commissioning of 3 Ph 4 wire HT Metering Cubicle with meter, CTs, PTs	10.5	0	0	0
19	Refurbishing works on HT/LT/DTC in O & M Divisions	1.59	0	0	0
	Sub-total	19.09	10	15	20
	Reduction of T & D and ATC loss				
20	Providing meters to un-metered B]/KJ installations.	1.54	1	0	0
21	Replacement of faulty / MNR energy meters by static meters.	9.91	15	12	10
22	Replacement of electromechanical energy meters by static meters.	39.63	15	10	10
23	DTC's metering (Other than APDRP)	4.22	4	4	4
	Sub - total	55.29	35	26	24
	General (In House)				
24	Service connections	25.74	29.6	34.04	39.15
25	Improvement Works at 5 Nos of Villages in each MLA Constituency & 5 Nos of Villages in each MP Constituency under MADARI VIDUYAT GRAM .	11.71	0	0	0
26	Providing numerical relays to provide power supply to farm houses	0.29	0	0	0
27	T&P materials.	5	5	5	5
	Sub - total	42.74	34.6	39.04	44.15
	New initiatives works				
28	IT initiatives, automation and call centre	25.1	25	20	20
29	Providing solar roof tops to HESCOM and other Government office buildings	0.72	0	0	0
30	IPDS IT initiative Phase II	30	25	20	20
31	Establishing ALDC & SCADA.	3.56	2	2	2
32	DSM Projects	1	1	1	1
	Sub - total	60.38	53	43	43
	Immediate Execution (Planned/Unplanned)				
33	Replacement of failed distribution transformers.	10	10	10	10
34	Replacement of Power Transformers.	8.15	5	5	5

35	Preventive measures to reduce the accidents. (Providing intermediate poles, Restranging of sagging lines, providing guy & struds, providing guarding, DTC earthing)	73.72	77.4	81.27	85.34
36	Replacement of broken poles / Disaster Management Works	20.54	10	5	0
37	Flood Affected Works	56.88	71.1	88.87	111.09
	Sub - total	169.29	173.5	190.14	211.42
38	Civil Engineering works like Construction of new office buildings/ Sub station civil works, Mordenisaton/Repairs to existing buildings, regular maintainance to immovable properties	137.93	150	100	100
39	Shifting of IP set in NTPC area (B Bagewadi)	0.41	0	0	0
		138.34	150	100	100
	Total	1248.08	1469.52	1549.14	1688.64

Segregation of accounts in to distribution business and retail supply business.

As per Regulation 2.2, the accounts of licensee shall be segregated between Distribution and Retail Supply Business. It is provided in the regulation that till such time there is complete segregation, the ARR of the licensee shall be apportioned between the distribution business and retail supply business by appropriate methodology.

Considering the above, , the expenditure is segregated between DB and RSB as furnished below.

Particulars	Distribution Business	Retail Supply Business
O &M	63%	37%
Depreciation	84%	16%
Interest on Loans	100%	0%
Interest on consumer Deposits	0%	100%
RoE	82%	18%
GFA	84%	16%
Non-Tariff Income	0%	100%

The main business of HESCOM is distribution of power in 7 districts of North Karnataka. As per Regulation, HESCOM has to forecast the annual revenue requirement for FY-23 and furnish in application under MYT Framework. The details of estimation of ARR for FY-23 is explained in the following Paras.



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**PROJECTED ENERGY AVAILABILITY & COST FOR
FINANCIAL YEAR 2022-2023, 2023-24 and 2024-25**

1.0 The energy required by ESCOMs of Karnataka for the MYT tariff for the Financial Years 2022-23, 2023-24 and 2024-25 considering STU losses is shown in **Table-1**.

Table-1

Energy in MUs

ESCOMs	2022-23	2023-24	<i>2024-25</i>
BESCOM	33688.03	34578.87	35504.31
GESCOM	8899.01	9233.60	9592.52
HESCOM including Hukkeri Society & AEQUS	14718.63	15402.06	16137.35
MESCOM Including MSEZ	5977.44	6197.93	6421.66
CESC, Mysore	7902.39	8067.26	8237.88
Total	71185.49	73479.73	75893.72

Month wise energy requirement by ESCOMs for the FY 2022-23, 2023-24 and 2024-25 is as below;

FY 2022-23 (MUs)

Month	CESC	GESCOM	HESCOM	MESCOM	BESCOM	Total
Apr-22	750	783.02	1434.91	736.59	3279.70	6984
May-22	730	724.46	1386.87	641.36	3214.51	6697
Jun-22	630	673.51	1302.44	503.60	2824.82	5934
Jul-22	570	604.03	1089.85	367.62	2793.69	5425
Aug-22	565	689.23	1072.85	374.54	2894.42	5596
Sep-22	585	765.68	1114.16	351.09	2621.89	5438
Oct-22	617	792.85	1110.96	359.29	2530.8	5411
Nov-22	625	857.38	1005.13	407.20	2278.74	5173
Dec-22	670	810.02	1177.42	485.83	2486.1	5629
Jan-23	710	748.2	1301.43	590.13	2756.14	6106
Feb-23	690	704.27	1337.56	569.10	3032.63	6334
Mar-23	760	746.36	1385.05	591.17	2974.58	6457
Total	7902	8899.01	14718.63	5977.52	33688.02	71185



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FY 2023-24: (MUs)

Month	CESC	GESCOM	HESCOM	MESCOM	BESCOM	Total
Apr-23	766	812.46	1501.54	763.75	3366.43	7210
May-23	745	751.7	1451.26	665.02	3299.51	6913
Jun-23	643	698.83	1362.91	522.18	2899.51	6127
Jul-23	582	626.74	1140.46	381.18	2867.57	5598
Aug-23	577	715.15	1122.66	388.36	2970.96	5774
Sep-23	597	794.47	1165.89	364.04	2691.23	5613
Oct-23	630	822.66	1162.55	372.46	2597.73	5585
Nov-23	638	889.62	1051.81	422.22	2339.00	5341
Dec-23	684	840.47	1232.09	503.75	2551.84	5812
Jan-24	725	776.33	1361.86	611.9	2829.03	6304
Feb-24	704	730.75	1399.66	590.09	3112.83	6538
Mar-24	776	774.42	1449.36	612.98	3053.24	6666
Total	8067	9233.6	15402.05	6197.93	34578.88	73480

FY 2024-25:(MUs)



Month	CESC	GESCOM	HESCOM	MESCOM	BESCOM	Total
Apr-24	782	844.04	1573.23	791.32	3456.53	7447
May-24	761	780.92	1520.54	689.03	3387.82	7139
Jun-24	657	726.00	1427.98	541.03	2977.12	6329
Jul-24	594	651.10	1194.9	394.94	2944.31	5779
Aug-24	589	742.95	1176.26	402.38	3050.47	5961
Sep-24	610	825.35	1221.55	377.18	2763.25	5797
Oct-24	643	854.64	1218.05	385.90	2667.25	5769
Nov-24	652	924.20	1102.02	437.46	2401.60	5517
Dec-24	698	873.14	1290.91	521.93	2620.14	6005
Jan-25	740	806.50	1426.88	633.99	2904.74	6512
Feb-25	719	759.15	1466.48	611.39	3196.14	6752
Mar-25	792	804.52	1518.55	635.11	3134.95	6885
Total	8238	9592.51	16137.35	6421.66	35504.32	75894

2.0 Energy being purchased by ESCOMs from different sources viz., KPCL Hydel, KPCL Thermal & Gas based power Projects, Central Generating Stations, DVC, Priyadarshini Jurala Hydro Electric scheme, IPPs and Non-Conventional Energy source including solar projects.

3.0 Hydro and Thermal Stations of KPCL

The Energy availability of Hydel and Thermal stations of State Owned Power plants are considered as per the details furnished by KPCL in its email dated 16.11.2021, 17.11.2021 and 24.11.2021 and RPCL vide letter dated 17.11.2021 has furnished the availability of the energy and cost in respect of

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Yermarus thermal power plant. The energy projected by KPCL in respect of hydro stations is based on average energy generated in last 10 years average inflow with a 1% auxiliary consumption as per PPA. Energy availability in respect of Thermal Stations is as per the targeted availability defined in the PPA/Regulations wherever applicable and less by applicable auxiliary consumption of each station. The KPCL has projected the Yelahanka Combined Cycle power projects is available from FY 2022 onwards.

During the year 2022-23, 2023-24 and 2024-25 Energy availability from different sources is more than the quantum required by ESCOMs, considering the following factors;

- i) The energy availability from KPCL stations including RPCL as per the details furnished by Generating Stations.
- ii) Energy availability from CGS stations viz., NTPC, NLC, Nuclear Power Corporation as per the as per LGBR of the year 2022-23 is considered.
- iii) 85% of the 90% of the installed capacity has been considered for UPCL project
- iv) In respect of NCE projects, energy actual supplied during year 2020-21 has been considered for 2022-23, 2023-24 and 2024-25.
- v) Solar projects selected through bidding route for which cumulative utilization factor as per the PPA is considered.
- vi) In respect of Taluka wise, 1 to 3 MW farmers category, energy actual supplied during year 2020-21 has been considered for 2022-23, 2023-24 and 2024-25.
- vii) The solar capacity under KUSUM C likely to be commissioned for the year 2022-23 onwards as per the details furnished by KREDL.
- viii) The actual energy drawal from Jurala Priyadarshini and TBHE for the year 2020-21 has been considered for the year 2022-23, 2023-24 and 2024-25.



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The details of the energy available for the FY 2022-23, 2023-24 and 2024-25 is as below;

Generating Stations	Energy in Mus	Source
KPCL Hydro	11588.54	KPCL
KPCL Thermal:		
RTPS -1 & 7	9102.73	KPCL
RTPS 8	1624.35	KPCL
BTPS		
Unit I	3480.07	KPCL
Unit II	3042.49	KPCL
Unit III	4874.16	KPCL
Yelahanka Combined Cycle gas Power projects	2495	KPCL
Yermarus TPS - 1& 2	10444.08	KPCL
CGS	18649.57	LGBR of SRPC for 2022-23
Kudigi	8718.29	LGBR of SRPC for 2022-23
DVC	2576.58	85% of contracted capacity
UPCL	7482.78	90% of 85% installed capacity
NCE Projects	20291.49	Actuals of ESCOMs for the FY 2020-21
TBHE & Jurala projects	227.467	Actuals of 20-21
Total	104597.60	



The availability of energy from different sources is more than quantum required by ESCOMs and hence available quantum from different sources have been reduced on the basis of Merit Order Despatch is as detailed below;

FY 2022-23:(MUs)

Sources	Available quantum	Quantum offtake by ESCOMs	Difference	Justification
RTPS 8	1624.35	1057.06	567.29	Due to higher variable cost, Offtake of power from these power plants is reduced. The full Fixed cost is considered for tariff filing.
BTPS Unit-1	3480.07	1117.55	2362.52	
BTPS Unit-2	3042.49	1134.95	1907.54	
BTPS Unit-3	4874.16	3248.15	1626.00	
RTPS Unit1 to 7	9102.73	4382.31	4720.42	

FY 2024-25:(MUs)

Sources	Available quantum	Quantum offtake by ESCOMs	Difference	Justification
RTPS 8	1624.35	1057.06	567.29	Due to higher variable cost, Offtake of power from these power plants is reduced. The full Fixed cost is considered for tariff filing.
BTPS Uni1	3480.07	1494.18	1985.89	
BTPS Unit-2	3042.49	1494.18	1548.31	
BTPS Unit-3	4874.16	3648.92	1225.24	
RTPS Unit1 to 8	9102.73	6077.70	3025.03	
Yelahanka Combined Cycle gas Power projects	2495.00	428.46	2066.54	Energy would be scheduled for the month of Feb-2025 and March-2025 @ 60%
Yermarus TPS - 1 & 2	10444.08	8398.24	2045.84	The capacity charges considered for full year. However, energy charges is not considered for the month of July 2024 to Sep-24
Kudigi Units 1,2 &3	8718.29	2276.77	6441.52	Due to higher variable cost, Offtake of power from these power plants is reduced. The full Fixed cost is considered for tariff filing.
UPCL	7482.78	0.00	7482.7832	
NTPL	1457.38	309.39	1147.9955	
Vallur	795.80	366.33	429.461	
DVC- Meija	1145.15	407.16	737.98455	
Total	54662.27	25958.39	28703.89	

3.1 The availability of Energy from Hydel & Thermal Power Station's details furnished by KPCL is shown in **Table 2 & 3**.

**Table-2
HYDEL ENERGY**

Sl. No.	Generating Source	Energy in MUs
1	Sharavathy valley project (Sharavathy, Linganamakki & Chakra Projects)	4898.32
2	Kali Valley projects (Nagajari & Supa Projects)	3054.35
3	Varahi Valley projects (Varahi & Mani Projects)	1008.71
4	Bhadra & Bhadra Right Bank	49.30
5	Ghataprabha (GDPH)	66.03
6	Mallapur & Others	0
7	Kadra Dam	367.59
8	Kodasalli Dam	346.20
9	Gerusoppa/STRP	521.83



10	Almatti Dam Power House	555.69
12	Shiva & Shimsa	275.32
13	Munirabad	79.89
14	MGHE-Jog	365.31
Total KPCL Hydel		11588.54

Table-3

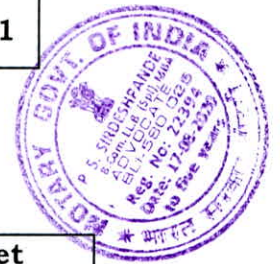
KPCL THERMAL POWER STATIONS

FY 2022-23:

Sl. No.	Stations	Installed Capacity in MW	Net generation in MUs
1	RTPS I &7	1470	4382.31
2	RTPS Unit 8	250	1057.06
3	BTPS Unit I	500	1117.55
4	BTPS Unit II	500	1134.95
5	BTPS UNIT-III	700	3248.15
6	Yelahanka Combined Cycle	370	428.46
7	Yermarus TPS - 1 & 2	1600	6522.04
Total			17890.51

FY 2023-24

Sl. No.	Stations	Installed Capacity in MW	Net generation in MUs
1	RTPS I &7	1470	5579.34
2	RTPS Unit 8	250	1057.06
3	BTPS Unit I	500	1117.55
4	BTPS Unit II	500	1308.95
5	BTPS UNIT-III	700	3248.15
6	Yelahanka Combined Cycle	370	428.46
7	Yermarus TPS - 1 & 2	1600	7445.24
Total			20184.75



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FY 2024-25

Sl. No.	Stations	Installed Capacity in MW	Net generation in MUs
1	RTPS I & 7	1470	6077.70
2	RTPS Unit 8	250	1057.06
3	BTPS Unit I	500	1494.18
4	BTPS Unit II	500	1494.18
5	BTPS UNIT-III	700	3648.92
6	Yelahanka Combined Cycle	370	428.46
7	Yermarus TPS - 1 & 2	1600	8398.24
Total			22598.73

3.2 Total Hydel generation would be 11588.54 MUs and energy from Thermal plants would be scheduled is around **17890.51** MUs for 2022-23, 20184.75 MUs for 2023-24 and 22598.73 Mus for 2024-25 from KPCL Thermal Station and Raichur Power Corporation Ltd.



4.0 Projection of cost - KPCL Hydel and Thermal Stations:

Hydel Stations:

The tariff rates worked out by KPCL based on KERC order dated 03.08.2009 for hydel stations except for Shivasamudram, Shimsha, Munirabad & MGHE. The tariff for the hydel stations is based on the design energy. The over and above the design energy paid at 15 paise per kwh or 3% of the ROE whichever is less. The Hon'ble Commission vide order dated 25.02.2015 determined the tariff for KPCL Hydro Stations of Shiva and Shimsha, Munirabad & MGHE upto 2019. The tariff proposed by KPCL in its email dated 16.11.2021 is considered for above hydro stations. The rate details furnished by the KPCL is as shown in Table-4.

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Table-4

Sl. No.	Source	Design energy in MUs	Paise per Unit-2022-23	Paise per Unit-2023-24	Paise per Unit-2024-25
A	KPCL - Hydel				
1	Sharavathy valley project	3737.95	62.85	64.07	62.78
2	Kali Valley projects	2058.77	96.93	99.07	95.91
3	Varahi Valley projects (V	848.69	189.19	189.02	181.39
4	Varahi 3 & 4	848.69	189.19	189.02	181.39
5	Bhadra & Bhadra Right B	50.49	32.25	30.60	30.60
6	Ghataprabha (GDPH)	84.97	590.70	608.80	602.54
7	Mallapur & Others		0.00	0.00	0.00
8	Kadra Dam	419.9	268.68	273.49	235.83
9	Kodasalli Dam	372.48	186.80	189.53	162.61
11	Gerusoppa/STRP	442.62	203.16	205.50	166.82
12	Almatti	384	265.03	264.89	239.86
13	Shiva & Shimsa	252	158.72	160.03	160.03
14	Munirabad	65	116.96	122.33	123.16
15	MGHE-Jog	119	152.60	158.32	150.42

Note: Paise 20 as royalty charges is considered for the actual generation in respect of all Hydro stations except for the Almatti Dam Power House (Paise 100 /unit)



KPCL Thermal Stations:

The tariff rates worked out by KPCL based on various parameters of tariff orders in respect of thermal stations RTPS units 1 to 7, RTPS-8, BTPS unit-I, II & III is considered. The Yelahanka Combined Cycle Power Plant is available for the FY 2022-23 onwards and tariff is to be determined by KERC and hence the tariff proposed in its email dated 17.11.2021 is considered. The KERC in its order dated 25.02.2015 determined capacity charges in respect of BTPS unit 2 and RTPS Unit-8 from the date of commission to end of 31.03.2019. Hence, tariff proposed in the letter dated 17.11.2020 by KPCL is considered for the following units;

Capacity charges in Rs crores				
Sl. No.	Stations	2022-23	2023-24	2024-25
1	BTPS Unit-2	447.12	443.33	457.52
2	RTPS Unit-8	234.43	233.91	232.62

The average variable cost for the months of July-2021, August-2021 and September 2021 is considered for the FY 2022-23 and with an escalation 2.5% for FY 2023-24 and 2.5% escalation for FY 2024-25:

Table-5

Sl. no.	Stations	2022-23		2023-24		2024-25	
		Fixed cost Rs in Crores	Variable cost Paise per Kwh	Fixed cost Rs in Crores	Variable cost Paise per Kwh	Fixed cost Rs in Crores	Variable cost Paise per Kwh
1	RTPS unit 1 to 7	1071.47	283.17	1103.96	290.25	1136.56	290.25
2	RTPS unit-8	234.43	283.17	233.91	290.25	232.62	290.25
3	BTPS unit-1	350.03	281.30	355.37	288.33	360.74	288.33
4	BTPS unit-II	447.12	277.73	443.33	284.68	457.52	284.68
5	BTPS Unit-III	902.05	255.70	868.96	262.09	826.50	262.09
6	Yelahanka Combined Cycle	539.22	320.00	533.20	328.00	525.93	336.00
7	Yermarus TPS - 1 & 2	2230.59	272.00	2137.76	278.80	2052.45	285.60
	Toral	5774.91		5676.50		5592.31	

The average cost of hydel stations works out to 121.04 paise per unit, 122.68 paise per unit and 115.45 paise per unit for the FY 2022-23, 2023-24 and 2024-25 respectively. The Income tax proposed by KPCL in email dated 17.11.2020 has been shown separately.

5.0 Central Generating Stations:

5.1 ESCOMs have a share in Central Generating station of NTPC, Neyveli Lignite Corporation (NLC), Nuclear power stations and other Joint Venture Projects. The allocation of capacity entitlement from these stations includes both firm and unallocated share. The unallocated share is vary depending upon the allocation issued by Ministry of Power, GoI.

5.2. The energy available to ESCOMs depends on the scheduled generation and share in a month and other parameters such as availability and outages (forced and planned). The net energy available at ex-bus generation in the LGBR prepared by SRPC (draft) for the year 2022-23 is considered. Out of the total month wise energy available at Ex-bus, the share of Karnataka including unallocated share for the month of October 2021 is taken to arrive the energy available to Karnataka for FY 2022-23, 2023-24 and 2024-25. In order to arrive energy available at Karnataka Periphery, all India Transmission loss for the week from 22.11.2021 to 28.11.2021 as notified by the NLDC is taken. The scheduled energy available at ex-bus, share of Karnataka and net energy available at KPTCL periphery after considering the POC losses is shown in **Table-6**.

Table - 6

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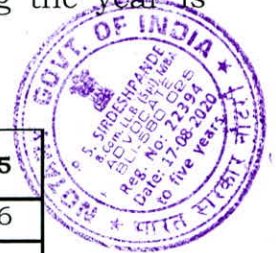
Application for Approval of Annual Performance Review for FY-21 and Approval for ARR & ERC under MYT FY-23 to 25 and Tariff Filing for FY-23.

Sl. No.	Stations	Total Energy scheduled at EX-bus in MUs	Share of Karnataka in %	Karnataka Share in MUs	Poc losses @ 3.68%	Energy @KPTCL periphery
1	RSTP-I&II	14775	22.27	3290.24	121.08	3169.16
2	RSTP-III	3900	23.24	906.36	33.35	873.01
3	RSTP-Talcher	14021	19.60	2748.12	101.13	2646.99
4	Simhadri station II	6564	19.94	1308.80	35.21	1273.59
5	Vallur unit-I & II	7423	11.13	826.20	47.69	778.51
6	NLC II Stage-1	4009	23.87	956.79	27.78	929.01
7	NLC II Stage-2	5421	23.91	1296.00	22.58	1273.42
8	NLC expansion I	2872	26.28	754.76	17.67	737.09
9	New NLC Thermal power project	2365	7.41	613.63	3.56	610.07
10	NLC expansion Stage II(Unit-1)	6485	25.94	480.25	30.91	449.34
11	NTPL-2X 500 MW	7093	21.33	1513.06	32.68	1480.39
12	MAPS	1149	8.50	96.75	48.16	48.58
13	Kaiga Unit-1& 2	2727	30.80	839.92	55.68	784.24
14	Kaiga Unit-3&4	2664	33.33	887.91	53.91	834.00
15	Kudamkulam Unit-1	6234	23.50	1464.98	50.72	1414.26
	Kudamkulam Unit-2	6234	22.11	1378.33	30.40	1347.93
16	Kudigi Station(3X800 MW)	15912	56.88	9051.38	333.09	8718.29
17	DVC- Maija (unit 7 &8)	5944	20.00	1188.90	43.75	1145.15
18	DVC- Koderma (unit 1 & 2)	5944	25.00	1486.12	54.69	1431.43
	Total	121737.19		31088.50		29944.44

Due to surplus energy in the State, some of the Inter State Generating Stations are to be backed down and energy availed during the year is shown in **Table-7**.

Table-7

Stations	2022-23	2023-24	2024-25
N.T.P.C-RSTP-I&II	3169.16	3169.16	3169.16
NTPC-III	873.01	873.01	873.01
NTPC-Talcher	2646.99	2646.99	2646.99
NLC TPS2-Stage 1	921.58	921.58	921.58
NLC TPS2-Stage 2	1248.31	1248.31	1248.31
NLC TPS1-Expn	726.99	726.99	726.99
NLC II expansion I	591.05	591.05	591.05
NLC Thermal Projects	462.58	462.58	462.58
MAPS	93.19	93.19	93.19
Kaiga Unit 1&2	809.01	809.01	809.01
Kaiga Unit 3 &4	855.24	855.24	855.24
Simhadri Unit -1 &2	1260.63	1260.63	1260.63
NTPLUnit-2X 500 MW	366.33	366.33	366.33
KudamKulam	309.39	309.39	309.39
KudamKulam	1411.07	1411.07	1411.07
Vallur TPS Sg I ,2 &3	1327.61	1327.61	1327.61
Kudigi(3X800 MW)	2276.77	2276.77	2276.77
DVC - Mejsa thermal Power Station	407.16	407.16	407.16
DVC - Koderma Thermal Power Stat	1431.43	1431.43	1431.43
Total	21187.48	21187.48	21187.48



5.3 The Tariff in respect of Central Generating Stations like NTPC, NLC and DVC stations for the Control period 2019 to 2024 is yet to be determined by CERC for the stations belonging to Generators. Under the above circumstances, the Capacity charges billed by generator to ESCOMs of Karnataka for the year 2021-22 is considered for the FY 2022-23, 2023-24 & 2024-25. The capacity charge considered based on various orders are as detailed below;

Sl. No.	Stations	Date of order/as per claims	Rs in crores
1	RSTP-I&II	As per bill	1057.68
2	RSTP-III	As per bill	266.78
3	RSTP-Talcher	As per bill	996.95
4	Simhadri station II	As per bill	1066.71
5	Vallur unit-I & II	11.7.2017	1858.96
6	NLC II Stage-1	12.6.2017	299.80
7	NLC II Stage-2	12.06.2017	414.29
8	NLC expansion I	18.10.2016	276.18
9	NLC expansion Stage II	24.7.2017	728.06
10	New NLC Thermal projects	29.1.2020	1259.60
11	NTPL-2X 500 MW	11.7.2017	1090.17
12	Kudigi	8.1.2020	2795.24
13	DVC-Mejia	3.10.2016	1019.21
14	DVC-Koderma	28.2.17	1175.74
	Total		14305.35



The average variable cost for the month of July-2021, Aug-202 and Sep-2021 is considered for energy charges for FY 2022-2023, with an annual escalation of 2.5% for FY 2023-24 and 2.5% escalation for FY 2024-25. In respect of MAPS, Kaiga, and Kundamkulam power station the average rate per unit for the months of Aug-2020, Sep-2020 and October -2020 is considered.

(Rs./unit)

Particulars	MAPS	Kaiga Units 1 to 4	Kudamkulam Unit - 1	Kudamkulam Unit - 2
Base Price	2.427	3.415	3.545	3.545
Heavy Water adjustment charges	0.003	-0.195	0.381	0.381
Heavy Water lease adjustment charges	0.000	0.016	0.000	0.000
Insurance	0.071	0.158	0.042	0.042
De-commissioning Levy	0.020	0.020	0.020	0.020
Forex Variation Adjustment	0.050	0.050	0.053	0.053

Charges				
Nuclear Liability & Forex adjustment	0.000	0.000	0.050	0.050
Others			0.000	0.000
Total tariff	2.571	3.464	4.091	4.091

5.4 The capacity charges (Fixed Cost) and variable cost considered for 2022-23, 2023-24 and 2024-25 is shown in Table-9.

Table-9

Central Projects	FC in Rs cr for 2022-23, 2023-24 & 2024-25	VC Paise per Kwh for 2022-23	VC Paise per Kwh for 2023-24	VC Paise per Kwh for 2024-25
N.T.P.C-Ramagundam	235.53	262.97	269.54	269.54
NTPC-VII	62.00	258.57	265.03	265.03
NTPC-Talcher	195.40	177.23	181.66	181.66
NLC TPS2-Stage 1	71.55	265.07	271.69	271.69
NLC TPS2-Stage 2	99.04	265.07	271.69	271.69
NLC TPS1-Expn	72.58	240.67	246.68	246.68
NLC II Expansion-1	188.89	255.73	262.13	262.13
New NLC Thermal Power project	93.29	218.93	224.41	224.41
MAPS	0.00	257.14	263.57	263.57
Kaiga unit I &II	0.00	346.40	355.06	355.06
Kaiga Unit 3 &4	0.00	346.40	355.06	355.06
Simhadri Unit -1 &2	212.69	287.27	294.45	294.45
Vallur TPS Stage I &2 &3	206.90	304.93	312.56	312.56
NTPL	232.54	294.30	301.66	301.66
KudamKulam Unit1	0.00	409.10	419.33	419.33
KudamKulam Unit2	0.00	409.10	419.33	419.33
Kudigi	1590.04	341.93	350.48	350.48
DVC- Mejia thermal Power Station	203.84	292.00	299.30	306.60
DVC Kodemma thermal Power Stati	293.93	274.73	281.60	288.47
Total	3758.24			



5.6 Income tax for the CGS station included in the capacity charges payment on normative basis by grossing up of RoE with effective tax rate of the respective financial year of the generating company. Income tax is included as a part of capacity charges and not payable separately and hence not considered.

6.0 Sharing Transmission Charges

The power transmission from Central Sector Generating Stations is either through the PGCIL lines or any lines constructed by developer selected through competitive bidding route from the generating plants. ESCOMs have to pay POC (Transmission charges) to PGCIL / Independent Power Transmission Utility for transmitting the CGS power and power from other States.

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Central Electricity Regulatory Commission (Sharing of Inter-State Transmission Charges and Losses), Regulations 2020 came into force with effect from 1.11.2020. National Load Despatch Centre (NLDC) as the Implementing Agency under Sharing Regulations 2020 has been entrusted with the responsibility of computation of Inter State Transmission Charges (ISTS) and losses. As per Regulation (14)(5)(b), Transmission Charges payable by DICs shall be notified by the Implementing Agency by 25th day of the month following billing period. The computation of transmission charges shall be done on the basis of inputs received from ISTS Licensees, DICs / States, CTU as per the Regulations.

As per Central Electricity Regulatory Commission (Sharing of Inter-State Transmission Charges and Losses) Regulations, 2020, the ESCOMs shall have to make transmission charges on the following components;

- 1) National Component (NC);
- 2) Regional Component (RC);
- 3) Transformer Component (TC); and
- 4) AC System Component (ACC).

1. National Component (NC):

National Component shall be sum of the following components:

- ✓ National Component-Renewable Energy (NC-RE); and
- ✓ National Component-HVDC (NC-HVDC).

a) National Component-Renewable Energy shall comprise of the Yearly Transmission Charges for transmission systems developed for renewable energy projects as identified by the Central Transmission Utility.

b) National Component-HVDC shall comprise of the following:

- i) 100% of Yearly Transmission Charges for “back-to-back HVDC” transmission system;
- ii) 100% of Yearly Transmission Charges for Biswanath-Chariali/ Alipurdwara to Agra HVDC transmission system;
- iii) Yearly Transmission Charges of Mundra–Mohindergarh 2500 MW HVDC transmission system corresponding to 1005 MW capacity

c) The Yearly Transmission Charges for the National Component shall be shared by all drawee DICs and injecting DICs with untied LTA in



- (i) Usage Based Component (AC-UBC); and
 - (ii) Balance Component (AC-BC).
- b. The Yearly Transmission Charges of AC-UBC shall be shared by drawee DICs and injecting DICs with untied LTA corresponding to their respective usage of the transmission lines, in accordance with Regulation 9 of these regulations.

As per Regulation 24(2), Implementing Agency shall publish the peak block of the billing period on the first day of the month following the billing period.

Based on inputs furnished by DICs/ States, all India basic network has been prepared along with node wise generation and demand as per the peak block and made it available on POSOCO website on 15th of each month for review and comments of DICs/ States in line with the notified procedures with the last date for submission of comments as 18th each month.

The usage part of AC system charges has been computed by running AC load flow and determining the utilization of the lines with respect to SIL of the lines. For SIL of lines at various voltage levels, annexure -II to Regulations has been followed.

AC Usage Base Charges (AC-UBC) thus determined has been used for apportionment through hybrid method and computed total aggregated nodal charges in for each drawee DIC and injecting DICs having untied LTA.

- c. The Yearly Transmission Charges under AC-BC shall be the balance Yearly Transmission Charges for AC System Component after apportioning the charges for AC-UBC.
- d. Transmission charges under AC-BC shall be shared by all drawee DICs and injecting DICs with untied LTA in proportion to their quantum of Long Term Access plus Medium Term Open Access and untied LTA respectively.

Based on the above methodology and mechanism, Transmission Charges paid by ESCOMs for the year from April 2021 to September-2021 is as below;



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(Rs. In Crs.)

Month	LTA Demand	Usage based AC system charges	Balance AC system charges	National component		Regional Component	Transformers component	Bilateral charges	Total Transmission charges
		AC-UBC	AC-BC	NC-RE	NC+H VDC				
Apr-21	5796	49.62	92.55	4.82	11.16	7.45	9.60	0.32	175.53
May-21	5884	55.29	108.90	5.37	12.44	8.39	10.63	0.35	201.39
Jun-21	5824	40.18	103.95	5.15	11.92	7.99	10.17	0.34	179.71
Jul-21	5887	45.70	109.06	5.60	12.45	8.33	10.58	0.35	192.08
Aug-21	5897	32.78	103.96	5.49	12.13	8.13	10.20	0.34	173.02
Sep-21	5666	30.81	103.84	5.40	11.94	8.10	10.54	0.35	170.99

In addition to the above, 800 kV Raigarh – Paglur HVDC system has commissioned during 2020-21 and 2021-22. The expected additional PoC charges would be Rs. 40.73 Crs /month translating to Rs.488.76 Crs / per annum. The details of the lines commissioned and expected YTC of these lines is as below;



Scheme	Asset details	Petition No.	COD	Capital cost (in Lakhs)	YTC (in Lakhs (2021-22))
I	± 800KV 6000MW Raigarh (HVDC Station) – Pugalur (HVDC Station) HVDC Link along with ± 800KV 1500 MW (Pole-I) HVDC terminals each at Raigarh (HVDC Station) & Pugalur (HVDC Station)	685/TT/2020	06.09.2020	949401.26	132035
	±800kV 1500 MW (Pole-II) HVDC terminals each at Raigarh (HVDC Station) & Pugalur (HVDC Station)	173/TT/2021	09.03.2021	120232.06	16207.94
	±800kV 1500 MW (Pole-III) HVDC terminals each at Raigarh (HVDC Station) & Pugalur (HVDC Station)		13.07.2021	219076.79	27199.89
	±800kV 1500 MW (Pole-IV) HVDC terminals each at Raigarh (HVDC Station) & Pugalur (HVDC Station)	Not yet filed	25.10.2021		
II	a) 400kV Pugalur (HVDC Station) - Pugalur (Existing) (Quad) D/C Transmission line along with associated bays at Pugalur (HVDC Station) & Pugalur (Existing) Substation and b) 400kV Pugalur (HVDC Station) – Arasur (Quad) D/C Transmission line along with associated bays at Pugalur (HVDC Station) & Arasur station	693/TT/2020	06.09.2021	57775.16	7660.18
	c.PUGALUR- TVLM 400KV AC LINE d. PUG - EDAYARPLYM 400KV AC LINE E. EDYRPLYM- UPET DC400KV	Not yet filed	25.10.2021		
III	(Pugalur, Tamil Nadu) – North Trichur (Kerala) – Scheme #3: Pugalur-Trichur 2000MW VSC based HVDC System ⁷ .	172/TT/2021	Pole -II 09.03.2021	517625.68	68735.11
Total capital cost Rs in crore				18641.1	

The above charges vary on month to month depending on load, generation, usage of lines and transmission charges of additional lines added to the system.

In case POC charges are not paid within due date, PGCIL is operating the regulation of power supply, wherein lower cost of Central Generation Stations has been curtailed. Therefore, ESCOMs have to arrange payment to PGCIL as per the Regulation computed by NLDC & SRPC.

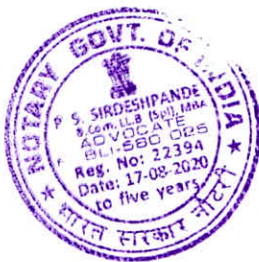
Transmission charges/POC charges considered FY 2022-23, 2023-24 and 2024-25 is as below;

(Amount in Rs. Crores)

	2022-23	2023-24	2024-25
POC Charges	2674.20	2741.06	2807.91

ESCOM wise allocation considering the GOK order dated 21.3.2021

Name of the ESCOMs	% of allocation	2022-23	2023-24	2024-25
BESCOM	49.954	1335.88	1369.27	1402.67
HESCOM	21.449	573.59	587.93	602.27
GESCOM	10.794	288.64	295.86	303.08
MESCOM	7.668	205.06	210.19	215.32
CESC	10.135	271.02	277.80	284.58
Total POC charges		2674.20	2741.06	2807.91



[Signature]
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Application for Approval of Annual Performance Review for FY-21 and Approval for ARR & ERC under MYT FY-23 to 25 and Tariff Filing for FY-23.

Stations	BESCOM	GESCOM	HESCOM	MESCOM	CESCO	TOTAL	Capacity entitlement in MW for the month of Oct-2021
NTPC-Ramagundam (RSTF)	47.9885	11.7285	21.4492	8.1553	10.6785	100	441.31
NTPC-Ramagundam (RSTF)	47.9885	11.7285	21.4492	8.1553	10.6785	100	112.33
NTPC TALCHER II	47.9885	11.7285	21.4492	8.1553	10.6785	100	370.81
NTPC SHIMHADRI II	47.9885	11.7285	21.4492	8.1553	10.6785	100	193.80
NTPC KUDGI	47.9885	11.7285	21.4492	8.1553	10.6785	100	1276.01
NLC TS TPS II-Stage-I	47.9885	11.7285	21.4492	8.1553	10.6785	100	130.71
NLC TS TPS II-Stage-II	47.9885	11.7285	21.4492	8.1553	10.6785	100	175.68
NLC TPS - I Expansion	47.9885	11.7285	21.4492	8.1553	10.6785	100	99.17
NLC TPS - II Expansion	47.9885	11.7285	21.4492	8.1553	10.6785	100	116.04
NLC NNTPS	47.9885	11.7285	21.4492	8.1553	10.6785	100	69.11
Vellore STPS TPS I, II & III	47.9885	11.7285	21.4492	8.1553	10.6785	100	150.66
NTPL Tuticorin	47.9885	11.7285	21.4492	8.1553	10.6785	100	194.32
NPCIL MAPS	47.9885	11.7285	21.4492	8.1553	10.6785	100	33.25
NPCIL Kaiga-UNIT I & II	47.9885	11.7285	21.4492	8.1553	10.6785	100	123.44
NPCIL Kaiga-UNIT III & IV	47.9885	11.7285	21.4492	8.1553	10.6785	100	133.29
NPCIL KKNPP-UNIT I	47.9885	11.7285	21.4492	8.1553	10.6785	100	215.44
NPCIL KKNPP-UNIT II	47.9885	11.7285	21.4492	8.1553	10.6785	100	203.44
Damodar Valley Corporation	47.9885	11.7285	21.4492	8.1553	10.6785	100	188.50
Damodar Valley Corporation	47.9885	11.7285	21.4492	8.1553	10.6785	100	235.63
UPCL	59.2970	6.3503	21.4492	5.3530	7.5505	100	939.00
Total							5401.93
NTPC-Ramagundam (RSTF)	211.78	51.76	94.66	35.99	47.13	441.31	
NTPC-Ramagundam (RSTF)	53.91	13.17	24.09	9.16	12.00	112.33	
NTPC TALCHER II	177.95	43.49	79.54	30.24	39.60	370.81	
NTPC SHIMHADRI II	93.00	22.73	41.57	15.80	20.69	193.80	
NTPC KUDGI	612.34	149.66	273.69	104.06	136.26	1276.01	
NLC TS TPS II-Stage-I	62.73	15.33	28.04	10.66	13.96	130.71	
NLC TS TPS II-Stage-II	84.30	20.60	37.68	14.33	18.76	175.68	
NLC TPS - I Expansion	47.59	11.63	21.27	8.09	10.59	99.17	
NLC TPS - II Expansion	55.69	13.61	24.89	9.46	12.39	116.04	
NLC NNTPS	33.17	8.11	14.82	5.64	7.38	69.11	
Vellore STPS TPS I, II & III	72.30	17.67	32.32	12.29	16.09	150.66	
NTPL Tuticorin	93.25	22.79	41.68	15.85	20.75	194.32	
NPCIL MAPS	15.96	3.90	7.13	2.71	3.55	33.25	
NPCIL Kaiga-UNIT I & II	59.24	14.48	26.48	10.07	13.18	123.44	
NPCIL Kaiga-UNIT III & IV	63.96	15.63	28.59	10.87	14.23	133.29	
NPCIL KKNPP-UNIT I	103.39	25.27	46.21	17.57	23.01	215.44	
NPCIL KKNPP-UNIT II	97.63	23.86	43.64	16.59	21.72	203.44	
Damodar Valley Corporation	90.46	22.11	40.43	15.37	20.13	188.50	
Damodar Valley Corporation	113.07	27.64	50.54	19.22	25.16	235.63	
UPCL	556.80	59.63	201.41	50.26	70.90	939.00	
Total	2698.49	583.06	1158.67	414.23	547.47	5401.93	
Weighted Average %	49.954	10.794	21.449	7.668	10.135	100.000	



7.0 The POSOCO-SRLDC charges are considered as per CERC order dated 31.5.2021 and SRLDC fee Regulation 2019. The Charges payable for the year is Rs. 4.39 Crores. The ESCOM wise charges allocated is as below;

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Name of the ESCOM	% Share	Charges for FY 2022-23, 2023-24 & 2024-25
BESCOM	49.311	2.17
GESCOM	12.109	0.53
HESCOM	20.205	0.89
MESCOM	8.101	0.36
CESC	10.274	0.45
	100.000	4.40

8.0 Independent Power Producers

The generation of 1200 MW of UPCL Unit -1 & Unit-2 taken at 85% of 90% installed capacity as per PPA/ approval given by Government. Tariff in respect of control period 2019-20 to 2023-24 is yet to be determined by CERC and hence the auxiliary consumption of 5.75% as per CERC Regulation 2019 and additional auxiliary consumption 1.2% allowed by CERC vide order dated 20.02.2014 and 10.07.2015 is taken. The capacity charges determined by CERC in the order dated 22.01.2020 applicable for FY 2018-19 is considered for FY 2021-22. M/s. UPCL has entered into coal supply agreement with PAN Asia Trading PTC Ltd., the cost of the coal (FoB) has quoted by the bidder, the variation link to the CERC Composite Index. The average variable cost for the month of April 2021 to Oct-2021 is considered for FY 2022-23, 2023-24 & 2024-25

Table-10

Stations	Energy in Mus	Fixed cost Rs in Cr	2022-23	2023-24	2024-25
UPCL	0.00	1091.48	516.44	516.44	516.44

Variable cost per unit-paise per unit

9.0 Non conventional Energy Source (NCE source)

9.1 The actual generation of NCE projects for the year 2020-21 has been considered for FY 2022-23, FY 2023-24 & 2024-25 including Solar, Co-generation, Bio-mass, Wind Mills and Mini Hydel projects. The Solar



projects likely to commissioned under Kusum scheme is also considered.

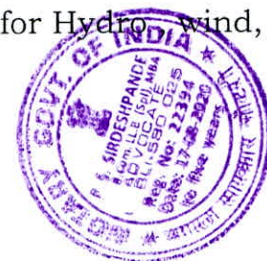
9.2 Ministry of power allocated un allocated power of coal based NTPC stations for bundling with solar power in ratio of 1.2 (unallocated power: Solar power) as envisaged under National Solar Mission Phase-II, Batch-II Tranche-I has been surrendered on 15.7.2021.

9.3 ESCOM wise NCE energy projected for FY 2022-23,2022-23 & 2024-25 is shown in **Table 11.**

Energy in Mus

Existing NCE Projects	BESCOM	GESCOM	HESCOM	MESCOM	CESC	Total
Co-generation	0.00	49.02	520.79	0.00	22.88	592.69
Biomass	91.58	76.85	0.00	0.00	17.15	185.58
Mini Hydel	546.35	130.06	80.26	366.36	272.63	1395.66
Wind mill	2479.91	1369.45	1950.06	259.10	134.56	6193.08
KPCL wind mill	7.13	0.00	0.00	0.00	0.00	7.13
Solar	4498.54	1048.11	1801.35	716.97	1009.42	9074.39
Solar rooftop	0.00	0.00	0.00	0.00	12.90	12.90
KPCL Solar	3.43	1.81	1.79	0.00	0.00	7.03
NTPC Bundled power Coal	216.10	68.86	88.39	36.64	53.29	463.27
NTPC Bundled Power Solar-Sr regio	56.21	17.91	22.99	9.53	13.86	120.50
Captive/Banking energy	0.00	0.00	204.35	0.00	0.00	204.35
NTPC Bundled Power Solar, Pavag	640.55	208.79	262.35	108.94	160.17	1380.80
Total	8539.80	2970.86	4932.33	1497.54	1696.86	19637.39
New NCE Projects						0.00
Co-generation	0.00	0.00	0.00	0.00	0.00	0.00
Biomass	0.00	0.00	0.00	0.00	0.00	0.00
Mini Hydel	0.00	0.00	0.00	0.00	0.00	0.00
Wind mill	0.00	0.00	0.00	0.00	0.00	0.00
Solar Power	99.86	0.00	0.00	0.00	0.00	99.86
Kusum scheme	0.00	0.00	481.40	0.00	72.84	554.24
Total D2	99.86	0.00	481.40	0.00	72.84	654.10
Total of D1&D2	8639.67	2970.86	5413.73	1497.54	1769.70	20291.49

9.4 The average cost of the year 2020-21 is considered for Hydro, wind, Solar, Co-generation.



10.0 Jurala Project

The ESCOMs having a share of 50% from Jurala Priyadarshni Hydro Electric Projects ie 117 MW. The net energy exported to Karnataka from Jural Priyadarshni Hydro Electric Projects for the year 2020-21 is

considered for 2021-22, 2023-24 & 2024-25. The TSERC vide tariff order dated 6.7.2017 determined the capacity charges for the project for the control period from 1.4.2014 to 31.3.2019. The 50% of the capacity charges applicable for the financial year 2018-19 is considered. The capacity Charges for the next control period is yet to be determined by TSERC hence capacity charges applicable for the year 2018-19 is considered for the year 2022-23, 2023-24 & 2024-25 also.

Table-13

	April	May	June	July	August	September	October	November	December	January	February	March	Total
Energy in Mus	0	0	0	21.76	49.712	52.304	43.264	21.84	0.656	-0.064	-0.08	-0.096	189.29
Amount in Rs Cr	4.89	4.89	4.89	4.89	4.89	4.89	4.89	4.89	4.89	4.89	4.89	4.89	58.66

11.0 The energy from T. B. Dam power is shared between AP/Telangana and Karnataka. The 1/5th share of revenue expenditure and energy has been shared between two states. The actual cost and energy supplied for the FY 2020-21 is considered for FY 2022-23, 2023-24 & 2024-25. The power purchase cost and energy from T. B. Dam has been estimated to 27.05 MUs and Rs. 3.04 crore.

Table-14

	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Tot
Energy in Mus	-0.08	0.10	-0.15	-0.22	8.32	5.92	9.56	2.85	2.38	2.51	3.45	3.55	38.
Amount in Rs crore	0.08	0.12	0.06	0.06	0.08	0.08	0.11	0.65	0.16	0.09	0.21	0.38	2.

12.0 The projected energy and cost allocated among the ESCOMs is as per GoK order dated 25.3.2021 except NCE projects.



13.0 The ESCOMs wise energy and cost projected for the financial year 2022-23, 2023-24 & 2024-25 is as below:

FY 2022-23

ESCOMs	Energy requirement in MUs	Power Purchase cost (Rs/Crores)	Average cost (Rs./unit)
BESCOM	33688.03	17279.82	5.13
GESCOM	8899.01	3993.78	4.49
HESCOM including Hukkeri Society & AEQUS	14718.63	6791.68	4.61
MESCOM	5977.44	2504.96	4.19
CESC, Mysore	7902.39	3459.59	4.38
Total	71185.49	34029.84	4.78



FY 2023-24

ESCOMs	Energy requirement in MUs	Power Purchase cost (Rs/Crores)	Average cost (Rs./unit)
BESCOM	34578.87	17619.94	5.10
GESCOM	9233.60	4135.95	4.48
HESCOM including Hukkeri Society & AEQUS	15402.06	7083.41	4.60
MESCOM	6197.93	2595.27	4.19
CESC, Mysore	8067.26	3523.06	4.37
Total	73479.73	34957.63	4.76

FY 2024-25

ESCOMs	Energy requirement in MUs	Power Purchase cost (Rs/Crores)	Average cost (Rs./unit)
BESCOM	35504.31	17841.00	5.03
GESCOM	9592.52	4253.71	4.43
HESCOM including Hukkeri Society & AEQUS	16137.35	7335.40	4.55
MESCOM	6421.66	2663.04	4.15
CESC, Mysore	8237.88	3558.51	4.32
Total	75893.72	35651.66	4.70

**CONTROLLER (A&R)
HESCOM, HUBLI.**

Operation and Maintenance Expenses:

HESCOM has calculated the O & M expenses for FY-22 to FY-25 as noted below.

- a) The actual O & M expenses for FY-21 inclusive of contribution to pension and Gratuity Trust -Rs. 1180.24. Crs.
- b) CGI based on 3-year CAGR (in %), considering the actual number of installations as per the audited accounts up to FY-21 and projected for FY-22 to FY-25 – 4.246%, 4.119%, 4.682%, and 5.075% for FY – 22, FY-23, FY-24 & FY-25 respectively.
- c) The WII at 7.9586%
- d) Efficiency factor at 2%.

O & M expenses for FY-22 to FY-25 are calculated as follows.

Particulars	FY-21	FY-22	FY-23	FY-24	FY-25
No of installations as per audited accounts	5467962				
No of installations projected.		5698004	5970607	6272445	6610302
Weighted Inflation Index (in %)		7.9586	7.9586	7.9586	7.9586
CGI based on 3-year CAGR (in %)		4.246	4.119	4.682	5.075
Actual O & M expenses for FY-21 Rs. Crs	1180.24				
O & M Expenses: O & M (t-1) * (1+Wii+CGI-X) in Crs.		1300.68	1431.74	1584.09	1758.87

Based on the above the O & M Expenses are segregated as noted below on pro-rata basis considering the actual O & M Expenses of FY-21.

Details of Normative O & M expenses

Rs.in Crs

Particulars	FY-21 (Actual)	FY-22 (Projected)	FY-23 (Projected)	FY-24 (Projected)	FY-25 (Projected)
R&M cost	90.71	99.98	110.05	121.77	135.20
Employee cost	937.05	1032.79	1136.86	1257.84	1396.62
A&G expenses	152.48	167.91	184.83	204.49	227.05
O&M cost	1180.24	1300.68	1431.74	1584.09	1758.87

HESCOM is proposing Rs. 1431.74 Crs for FY-23 as O & M expenses.

(HESCOM is not proposing any modification for FY-22 in this filing.)

Depreciation:

Depreciation is calculated as per the CERC Regulations with effect from 01.04.2009.



Growth of fixed Assets:

The projected growth in the fixed assets is worked out on the basis of creation of assets out of the Capex proposed for the control period FY-23 to FY-25. 70% of the Capex is considered as the assets of the particular year. Accordingly, the closing balance is worked out as noted below.

(Signature)
CONTROLLER (A&R)
HESCOM MURLI

Application for Approval of Annual Performance Review for FY-21 and Approval for ARR & ERC under MYT FY-23 to 25 and Tariff Filing for FY-23.

Particulars	FY-21 (Actual)	FY-22 (Proposed)	FY-23 (Proposed)	FY-24 (Proposed)	FY-25 (Proposed)
Capex(Rs. in Crs)	1392.00	1248.08	1469.52	1549.14	1688.64
Additions of Capex (Rs. in Crs)	1552.52	873.66	1028.66	1084.40	1182.05
Previous year closing balance of assets (Rs. in Crs)	7,376.42	8615.47	8972.20	9462.53	9979.18
Total closing balance of Assets worked on Capex (Rs. in Crs)	8928.94	9489.13	10000.86	10546.93	11161.22
Less retirement of Assets (Rs. in Crs)	313.47	516.93	538.33	567.75	598.75
Balance of Assets in Crs	8615.47	8972.20	9462.53	9979.18	10562.47

The individual group wise assets are calculated on pro rata basis on the figures of FY-21 (as per Format D-15) Rs. In Crores

Asset group	FY-21				FY-22			FY-23		
	OB	Addition	Retirement	CB	Projected Addition	Retirement	CB	Projected Addition	Retirement	CB
Land & Rights	21.68	3.52	-	25.20	1.98	1.51	25.67	2.33	1.54	26.46
Buildings	152.31	18.41	-	170.72	10.36	10.24	170.84	12.20	10.25	172.78
Hydraulics Works	5.04	1.28	-	6.32	0.72	0.38	6.66	0.85	0.40	7.11
Other Civil Works	6.27	0.74	-	7.01	0.42	0.42	7.01	0.49	0.42	7.08
Plant & Machinery	1,242.34	317.85	222.28	1,337.91	178.87	80.27	1,436.50	210.60	86.19	1,560.91
Lines Cable Networks	5,926.85	1199.57	82.86	7,043.56	675.04	422.61	7,295.99	794.81	437.76	7,653.04
Vehicles	8.95	0.26	0.12	9.09	0.15	0.55	8.69	0.17	0.52	8.34
Furniture & Fixtures	7.74	0.44	0.09	8.09	0.25	0.49	7.85	0.29	0.47	7.67
Other Equipment's	5.24	10.45	8.12	7.57	5.88	0.45	13.00	6.92	0.78	19.14
Total	7,376.42	1,552.52	313.47	8,615.47	873.66	516.93	8,972.20	1,028.67	538.33	9,462.54
Assets created out of contributions & grants	2050.83			2406.10			2704.46			3039.81
Net Assets	5325.59	1552.52	313.47	6209.37	873.66	516.93	6267.75	1028.67	538.33	6422.73

Asset group	FY-24				FY-25		
	OB	Projected Addition	Retirement	CB	Projected Addition	Retirement	CB
Land & Rights	26.46	2.46	1.59	27.33	2.68	1.64	28.37
Buildings	172.78	12.86	10.37	175.28	14.02	10.52	178.78
Hydraulics Works	7.11	0.89	0.43	7.58	0.97	0.45	8.10
Other Civil Works	7.08	0.52	0.42	7.17	0.56	0.43	7.30
Plant & Machinery	1,560.91	222.01	93.65	1,689.27	242.00	101.36	1,829.92
Lines Cable Networks	7,653.04	837.88	459.18	8,031.74	913.33	481.90	8,463.16
Vehicles	8.34	0.18	0.50	8.02	0.20	0.48	7.74

CHAPTER- 7 AGGREGATE REVENUE REQUIREMENT FOR MYT FY-23 to FY-25

CONTROLLER (A&R)
HESCOM, HUBLI

Application for Approval of Annual Performance Review for FY-21 and Approval for ARR & ERC under MYT FY-23 to 25 and Tariff Filing for FY-23.

Furniture & Fixtures	7.67	0.31	0.46	7.52	0.34	0.45	7.40
Other Equipment's	19.14	7.30	1.15	25.29	7.96	1.52	31.73
Total	9,462.54	1,084.40	567.75	9,979.19	1,182.06	598.75	10,562.50
Assets created out of contributions & grants	3039.81			3416.75			3840.42
Net Assets	6422.73	1084.40	567.75	6562.45	1182.06	598.75	6722.08

Based on the above closing balance of the assets, the depreciation is calculated as noted below (as per Format D-8).

Rs. In Crores

Particulars	FY-21 (As per audited A/c)				FY-22 (projected)			FY-23 (projected)		
	Balance of accumulated depreciation at the end of the year	Depreciation provided for the year	Withdrawal of depreciation	Balance of accumulated depreciation at the end of the year	Depreciation provided for the year	Withdrawal of depreciation	Balance of accumulated depreciation at the end of the year	Depreciation provided for the year	Withdrawal of depreciation	Balance of accumulated depreciation at the end of the year
Land and rights	0.00	0.00	0.00	0.00	-	-	0.00	-	-	0.00
Buildings	36.81	5.22	-	42.03	5.70	2.52	45.21	5.71	2.71	53.63
Hydraulic Works	2.05	0.29	-	2.34	0.33	0.14	2.53	0.35	0.15	2.73
Other Civil Works	1.25	0.20	-	1.45	0.23	0.09	1.60	0.23	0.10	1.74
Plant & Machinery	302.93	69.55	41.83	330.65	70.64	19.84	381.45	75.85	22.89	434.41
Lines, Cables, Networks	1,108.85	174.39	55.99	1,227.25	371.90	73.64	1,525.51	385.23	91.53	1,819.21
Vehicles	5.44	0.28	0.05	5.67	0.86	0.34	6.19	0.83	0.37	6.65
Furniture Fixtures	3.58	0.42	0.08	3.92	0.51	0.24	4.20	0.50	0.25	4.44
Office Equipment's	1.24	0.12	0.20	1.16	0.48	0.07	1.57	0.82	0.09	2.30
Intangible Assets- software		3.62		3.62	3.62		7.24	3.62		10.86
TOTAL	1,462.15	254.09	98.15	1,618.09	454.29	96.87	1,975.51	473.13	118.10	2,335.97
Assets (DCW & grants)				less	127.04			142.80		
Net Depreciation		254.09			327.24			330.34		

Particulars	FY-24 (projected)				FY-25 (projected)		
	Balance of accumulated depreciation at the end of the year	Depreciation provided for the year	Withdrawal of depreciation	Balance of accumulated depreciation at the end of the year	Depreciation provided for the year	Withdrawal of depreciation	Balance of accumulated depreciation at the end of the year
Land and rights	0.00	-	-	0.00	-	-	0.00
Buildings	53.63	5.77	3.22	62.62	5.85	3.76	72.23
Hydraulic Works	2.73	0.38	0.16	2.94	0.40	0.18	3.17
Other Civil Works	1.74	0.24	0.10	1.87	0.24	0.11	1.99
Plant & Machinery	434.41	82.42	26.06	490.76	89.19	29.45	550.51
Lines, Cables, Networks	1,819.21	404.08	109.15	2,114.14	424.08	126.85	2,411.37
Vehicles	6.65	0.79	0.40	7.04	0.76	0.42	7.33

CHAPTER- 7 AGGREGATE REVENUE REQUIREMENT FOR MYT FY-23 to FY-25

CONTROLLER (A&T)
HESCOM, HUBLI

Application for Approval of Annual Performance Review for FY-21 and Approval for ARR & ERC under MYT FY-23 to 25 and Tariff Filing for FY-23.

Furniture Fixtures	4.44	0.49	0.27	4.66	0.48	0.28	4.86
Office Equipment's	2.30	1.21	0.14	3.37	1.60	0.20	4.77
Intangible Assets- software	10.86	3.62		14.48	3.62		18.10
TOTAL	2,335.97	498.99	139.51	2,701.89	526.22	161.24	3,074.38
Assets (DCW & grants)		160.50			180.40		
Net Depreciation		338.49			345.82		

Note : Average of 5.28% of value of assets created out of grants is deducted in total depreciation in FY-22 to FY-25.

Note: The Capital Grants received from Government contribution towards cost of capital assets is reduced from Gross Block. The Consumer contribution and Government grants towards cost of capital assets cannot be identified to relevant fixed assets. Hence, the same is treated as related to the Lines, Cables and Networks Assets group and deducted directly from the total Gross Fixed Assets. The corresponding depreciation on these assets provided at respective Accounting Units has been reduced from depreciation for the FY-23, FY-24 and FY-25 @ 5.28% which works out to Rs. 330.34 Crs. , Rs. 338.49 Crs. and Rs. 345.82 Crs. for the FY-23, FY-24 and FY-25 respectively.

HESCOM is proposing Rs. 330.34 Crs. , Rs. 338.49 Crs. and Rs. 345.82 Crs for FY-23, FY-24 and FY-25 as depreciation.

(HESCOM is not proposing any modification for FY-22 in this filing.)

Interest and Finance Charges:

Capital Loan :

HESCOM proposes to draw loan and make the repayments and interest charges. The source wise details are furnished in D-9 statements. HESCOM has drawn capital loan Rs. 173.83 Crs during FY-21 and desires to draw capital loan of about Rs. 518.92 Crs, Rs. 739.92 Crs, Rs. 797.06 Crs and Rs. 910.66 Crs for FY-22, FY-23, FY-24 & FY-25 respectively.

HESCOM is proposing the interest on loan capital as noted below. HESCOM has worked out individual source wise loan and interest which are indicated in D-9.

Particulars	FY-22	FY-23	FY-24	FY-25
Opening balance	2521.67	2815.98	3325.98	3912.71
Add new loans	518.92	739.92	797.06	910.66
Less repayment	224.61	229.92	210.33	212.23
Closing balance loans	2815.98	3325.98	3912.71	4611.14
Average loans	2668.83	2482.84	3619.35	4261.93
Interest on loans	280.94	336.10	332.60	445.77

HESCOM is proposing Rs. 336.10 Crs, 332.60 Crs & Rs. 445.77 Crs for FY-23, FY-24, & FY-25

respectively as interest on loan capital.

(HESCOM is not proposing any modification for FY-22 in this filing.)

Interest on working capital: As per Regulation 3.1 the interest on working Capital is one of the Components for estimation of ARR of the Distribution Licensee. As per regulation 3.11.1, working capital comprises O & M expenses for one month, maintenance spares at 1% of the cost of the asset at the beginning of the year and two months average revenue. The details of calculation are as noted below.

Particulars	FY-22 (Projected)	FY-23 (Projected)	FY-24 (Projected)	FY-25 (Projected)
One-twelfth of the amount of O & M Exp	108.39	119.31	132.01	146.57
Opening GFA	8615.47	8972.20	9462.54	9979.19
Stores, materials and supplies 1% of opening balance of GFA	86.15	89.72	94.63	99.79
One-Sixth of the Revenue	1485.25	1500.55	1580.84	1671.02
Total Working Capital	1679.79	1709.58	1807.47	1917.38
Rate of Interest (% p.a) BPLR	11.00%	11.00%	11.00%	11.00%
Interest on Working Capital calculated on normative basis	184.78	188.05	198.82	210.91
Interest on Working Capital proposed	325.57	245.83	198.82	210.91

HESCOM is covering the areas where the agricultural consumption is comparatively on higher side. HESCOM has consumer base of about 55 lakhs, out of which 31% are covered under free / subsidized power supply by the Government. The supply of energy to free & subsidized power supply category account for 56% of the total. Subsidy amount towards supply of energy to free & subsidized power supply category is about 53 % out of revenue of the HESCOM. Power purchase cost is about 75 to 80 % out of total expenditure of the HESCOM.

Due to Covid-19 pandemic crisis, Government of India has announced special economic package on 13th May 2020, which includes liquidity injection for Distribution Companies (DISCOMs) in power sector for clearance of outstanding dues of CPSU GENCOs/ TRANSCO, IPPs and RE generators as on 31.03.2020. HESCOM has worked out individual source wise loan and interest which are indicated in D-9. The interest amount also includes interest on Covid loan under Atma Nirbhar Bharath Package. Hence HESCOM requests to consider the proposed interest on working capital as a special case.

HESCOM is proposing Rs. 245.83 Crs, 198.82 Crs & Rs. 210.91 Crs . for FY-23, FY-24, & FY-25 respectively as interest on working capital.

(HESCOM is not proposing any modification for FY-22 in this filing.)

Interest on security Deposit: As per KERC (Interest on Security Deposit) regulation 2005, the licensee has to pay interest on security deposit of the consumer at the bank rate every year. The audited accounts for FY-21 are available. Considering the closing balance of security deposit held HESCOM proposes the interest on the security deposit of consumers as noted below.

HESCOM is considering Rs. 50 Crores each for every year as the additional security deposit likely to be collected and accordingly, the interest on consumer deposit is calculated as noted below.

Particulars	FY-21	FY-23	FY-23	FY-24	FY-25
	(Actual)	(Proposed)	(Proposed)	(Proposed)	(Proposed)
Opening balance of consumer security deposits	869.44	924.70	974.70	1024.70	1074.70
Closing balance of consumer security deposits	924.70	974.70	1024.70	1074.70	1124.70
Average balance of consumer security deposit		949.70	999.70	1049.70	1099.70
Rate of Interest % approved as per Tariff Order 2021		4.25%	4.25%	4.25%	4.25%
Interest payable to Consumers		40.36	42.49	44.61	46.74



HESCOM is proposing 42.49 Crs, Rs. 44.61 Crs .and Rs. 46.74 Crs. as interest on consumer security deposit for FY-23, FY-24, & FY-25 respectively.

(HESCOM is not proposing any modification for FY-22 in this filing.)

Other Debits:

Other expenses consist of asset decommissioning cost, value written of, loss relating to fixed assets, bad and doubtful debts written off, material Cost variance etc. HESCOM has continued the process of decommissioning of old assets and to identify old and obsolete materials /assets, scrap materials, which are not useful. Such assets/materials will be sold at accost less than written down value maintained in the book of accounts. There is a provision for payment of compensation payable to consumer for damages, injury caused etc, and also in pursuance with standard performance regulations. HESCOM has considered actual expenses for previous years and estimated for FY-23, FY-24 and FY-25. The details are as follows.

Details of other debits: -

Rs. in Crs.

Sl. No.	Particulars	FY-21	FY-22	FY-23	FY-24	FY-25
		(As per Audited Accounts)	(Projected)	(Projected)	(Projected)	(Projected)
1	Asset Decommissioning cost	4.55	5.01	5.51	6.06	6.66
2	Small & Low value Items written off	-	-	-	-	-
3	Losses relating to fixed Assets	0.67	0.74	0.81	0.89	0.98
4	Gain on sale of assets	-	-	-	-	-
5	Material Cost Variance	0.01	0.01	0.01	0.01	0.01
6	Bad & Doubtful Debts written off/provided for	8.32	9.15	10.07	11.07	12.18
7	Miscellaneous losses and Write offs	6.47	7.12	7.83	8.61	9.47
8	Prior Period Expenses	-	-	-	-	-
	Grand Total	20.02	22.02	24.22	26.65	29.31

HESCOM is proposing 24.22 Crs, Rs. 26.65 Crs .and Rs. 29.31 Crs. as other expenses for FY-23, FY-24, & FY-25 respectively.

(HESCOM is not proposing any modification for FY-22 in this filing.)

Prior Period Charges: As per accounting principles, HESCOM has to take in to account both the income and expenses relating to the prior period. The Prior period income comprises interest, income tax, excess provision for depreciation, excess provision for interest and finance charges, receipt from consumer etc. The prior period expenses comprise power purchase cost, operating employee cost, depreciation, interest and finance charges, material related cost variance etc. HESCOM has not estimated prior period charges for FY-23 to FY-25. However, the Hon`ble Commission is requested to allow such prior charges as pass through in case such charges accounted during relevant year.

Prior period expenses:

Sl. No	Particulars	FY-21	FY-22	FY-23	FY-24	FY-25
		(As per Audited Accounts)	(Projection)	(Projection)	(Projection)	(Projection)
Income relating to previous years:						
1	Receipts from consumers	-	-	-	-	-
2	Excess Provision for Depreciation	-4.98	-	-	-	-
3	Income Tax prior period	-	-	-	-	-
4	Excess Provision for Interest and Fin. Charges	-6.79	-	-	-	-
5	Other Excess Provision	-47.84	-	-	-	-
6	Others Income	-133.77	-	-	-	-
7	Prior period tariff / RE subsidy	-	-	-	-	-
8	Other Misclenouse from trading	5.21	-	-	-	-
TOTAL		-188.17				
Expenditure relating to previous years						
1	Power Purchase	0.04	-	-	-	-
2	Operating Expenses	0.28	-	-	-	-
3	Excise Duty on generation	-	-	-	-	-
4	Employee Cost	1.27	-	-	-	-
5	Depreciation	11.32	-	-	-	-
6	Interest and Finance Charges	0.27	-	-	-	-
7	Provision for Deferred tax liability / Income Tax	-	-	-	-	-
8	Admn. Expenses	-	-	-	-	-
9	Other	32.93	-	-	-	-
TOTAL		46.11				
Grand Total		-142.06				



(HESCOM is not proposing prior period charges for FY-23, FY-24 and FY-25, not proposing any modification for FY-22 in this filing.)

Return on Equity: Return on Equity (ROE) is considered as a component of ARR of distribution Licensee. As per regulation 3.9, ROE only is considered as component of ARR of Distribution licensee. As per the said regulation, ROE will be computed at 15.5% per annum on share capital, Share Deposit, reserves and surplus held by the company. In view of huge negative reserves and surplus and net-worth of HESCOM is negative, ROE for FY-23 to FY-25 is not proposed.

Details of ROE:

Rs. in Crs

Particulars	Amount (Rs. Crs.)
Opening Balance of Paid up Share Capital	1554.24
Share Deposit (Opening balance)	0.00
Reserves & Surplus (Opening balance)	(2637.98)
Total Equity	(1083.74)

As the net-worth is negative, HESCOM is not proposing ROE for FY-23 to FY-25.

Provision for Taxation: As per regulation 3.1.2, taxes on income payable by Distribution Business is considered as one of the components of ARR. HESCOM has an accumulated loss of Rs. 5128.24 Crs. of which Rs. 778.84 Crs. pertains to the unabsorbed depreciation. HESCOM is not proposing taxes for FY-23. The Hon'ble Commission is requested to approve the same.

Other Income: The other income component shall be deducted in total expenditure to arrive net ARR of HESCOM. Other income comprises interest on bank deposits and loan provided to employee societies, income from trading such as sale of stores/scrap, miscellaneous receipts such as rentals from staff quarters and miscellaneous recoveries made etc. HESCOM is proposing "other Income" as noted below:

(i) Other Income:

Sl. No.	Particulars	FY-21	FY-22	FY-23	FY-24	FY-25
		(As per audited)	(Projection)	(Projection)	(Projection)	(Projection)
1	Interest on staff loans and advances	-				
2	Income from Investments:					
a	Interest on securities	-				
b	Interest on Bank fixed deposits & Others (62.222, 62.360)	1.00	1.10	1.21	1.34	1.47
c	Income on other investments					
d	Interest on loans/advances to suppliers/ Contractors					
e	Interest from Banks					
f	Interest on loans to Societies					
	Sub Total-2	1.00	1.10	1.21	1.34	1.47
3	Income from Trading:					
a	Profit on sale of fixed assets, hire etc of apparatus					
b	Hire charges from Contractors					
c	Profit on sale of stores (62.330)	0.09	0.10	0.11	0.12	0.13
d	Sale of Scrap (62.340)	0.30	0.33	0.36	0.40	0.44

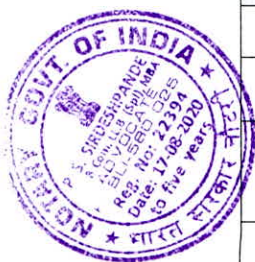
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e	Meter Readings and Calibration of Meter-Charges of Wind Mill Project (62.363)	0.95	1.05	1.15	1.27	1.40
f	Income relating to reactive energy charges (62.364)	-	-	-	-	-
g	Reactive energy charges demanded on IPPs (62.361)	0.89	0.98	1.08	1.19	1.31
h	Processing fees (62.625)	0.01	0.01	0.01	0.01	0.01
i	Other Misc Receipts from trading (62.360)	20.16	22.20	24.44	26.92	29.64
	Sub Total-3	22.40	24.67	27.15	29.90	32.93
4	Income/Fees collections against staff welfare activities:					
a	Recoveries for transport facilities	-	-	-	-	-
5	Miscellaneous Receipts:					
a	Income due to right of way granted for laying fibre optic cables/co-axial cables on T&D system					
b	Rental from Staff Quarters (62.901, 62.902)	1.05	1.16	1.27	1.40	1.55
c	Rental from others (62.903)	0.00	0.00	0.00	0.00	0.00
d	Leave contribution		-	-	-	-
e	Excess found on physical verification of cash		-	-	-	-
f	Excess found on physical verification of stock (62.905)	0.04	0.04	0.05	0.05	0.06
g	Sundry Credit balance written back (62.912)	-	-	-	-	-
h	Excess found on physical verification of Assets		-	-	-	-
i	Recovery from transport & vehicle expenses		-	-	-	-
j	Commission for collection of electricity duty (62.916)	1.15	1.27	1.40	1.54	1.69
k	Misc. recoveries (62.917)	69.90	77.00	84.82	93.44	102.93
l	Consultancy charges(62.921)	0.09	0.10	0.11	0.12	0.13
	Sub Total-5	72.33	79.57	87.65	96.55	106.36
	GRAND TOTAL:	95.63	105.34	116.01	127.79	140.76

(ii) Income from sale of power to HRECS & AEQU:

HESCOM proposes the power purchase cost paid by HRECS, Hukkeri & AEQU as the other income for FY-23 to FY-25 as noted below. HESCOM has supplied 326.30 MU to HRECS Hukkeri & AEQU at the rate of Rs 5.76 per unit amounting to Rs. 188.01 Crs. for FY-21.

SI No :	Particulars	FY-22	FY-23	FY-24	FY-25
		(Projected Sales)	(Projected Sales)	(Projected Sales)	(Projected Sales)
(a)	Sale of Power to HRECS	318.72	333.13	348.27	364.28
(b)	Sale of Power to AEQU	31.45	36.86	43.18	50.59
	Total	350.17	369.99	391.45	414.87





Sl No :	Particulars	FY-22	FY-23	FY-24	FY-25
		(Projected Cost) in Crs	(Projected Cost) in Crs	(Projected Cost) in Crs	(Projected Cost) in Crs
(a)	Sale of Power to HRECS	183.58	191.88	200.60	209.83
(b)	Sale of Power to AEQUS	18.12	21.23	24.87	29.14
	Total	201.70	213.11	225.47	238.97

HESCOM proposing 369.99 MU at the Power Purchase Cost of Rs. 213.11 Crs, 391.45 MU at the Power Purchase Cost of Rs.225.47 Crs. and 414.87 MU at the Power Purchase Cost of Rs. 238.97 Crs. for FY-23, FY-24 and FY-25 respectively (including transmission loss) to be supplied to HRECS Hukkeri & AEQUS at the rate of power purchase cost of Rs. 5.76 per unit.

Total other income:

Sl No :	Particulars	FY-22	FY-23	FY-24	FY-25
		(Projected Cost)	(Projected Cost)	(Projected Cost)	(Projected Cost)
(a)	Other income	105.34	116.01	127.79	140.76
(b)	Sale of Power to HRECS & AEQUS	201.70	213.11	225.47	238.97
	Total other income	307.04	329.12	353.26	379.73

HESCOM is proposing 329.12 Crs, Rs. 353.26 Crs .and Rs. 379.73 Crs. as other income for FY-23, FY-24, & FY-25 respectively.

(HESCOM is not proposing any modification for FY-22 in this filing.)

Regulatory Asset:

The Hon'ble Commission in Tariff Order 2020 of HESCOM has worked out Rs. 493.95 as revenue gap for FY-21 and decided to create an amount of Rs. 288.14 Cr. as Regulatory Asset to be recovered in the tariff over the next two years (FY-22 and FY-23) at carrying cost of 10% per annum, which will be assessed at the time of APR of FY-22 and FY-23.

Accordingly, HESCOM is proposing Rs. 144.07 Cr. as regulatory asset for FY-23 and carrying cost of Rs. 14.41 Cr.

Expected Revenue from Charges: HESCOM has been earning revenue as per tariff determined by the Honorable Commission from time to time. The new Tariff order came in to effect from 09.06.2021. HESCOM has estimated expected revenue charges for FY-23 on the basis of the new Tariff Order 2021 Dtd : 09.06.2021.

The Format D-21 is prepared as per the actual consumption and load pattern available of FY-21. The Projections for FY-23 to FY-25 are made on the basis of CAGR from FY-16 to FY-21 and CAGR from FY-18 to FY-21. Wherever the clear CAGR is not available, the trend is considered. The energy availability at generation point as provided by PCKL, approved transmission loss and the proposed distribution loss are considered for estimating the sales and thereby expected revenue from charges at existing rates as per tariff order 2021 Dtd: 09.06.2021.

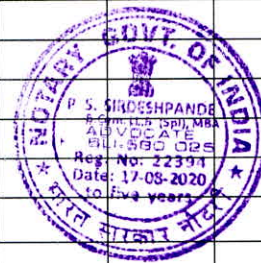
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Expected Revenue from charges at existing tariff and proposed tariff:

Rs. In Crs

(From D2)

Sl. No.	Tariff Category	Category Description	FY-21 (ACTUAL)				FY-22 Projected			
			Instal. (No.s)	Energy Sales (Mus)	Revenue (Cr) Pr Act	Avg. Real. [Ps/Unit]	Instal. (No.s)	Energy Sales (Mus)	Revenue (Cr) Pr Act	Avg. Real. [Ps/Unit]
1	LT-1	BJ/K]: =<40 units	712285	198.98	136.42	685.59	712285	198.98	159.19	800.02
		BJ/K]: >40 units	47124	70.49	25.74	365.15	47124	70.49	31.24	443.18
2	LT-2 (a)	Domestic / AEH	2948429	1638.55	1035.32	631.85	3092355	1704.44	1141.77	669.88
3	LT-2 (b)		7351	14.83	13.25	893.53	7600	16.23	17.00	1047.63
4	LT-3	Commercial	410957	462.51	468.12	1012.12	431505	489.52	517.62	1057.40
5	LT-4 (a)	IP sets - Less than 10 HP - General	974820	5938.82	3955.44	666.03	981244	6253.78	4340.12	694.00
6	LT-4 (b)	Irrigation Pump sets - More than 10 HP	863	14.64	7.46	509.56	865	14.68	7.81	532.02
7	LT-4 (c)	Private Horticulture Nurseries, Coffee & Tea Plantations	465	0.85	0.51	601.08	505	0.92	0.55	596.96
8	LT-5	Industries	125803	311.10	260.32	836.76	130162	318.98	276.45	866.68
9	LT-6 a	Water Supply	52049	335.62	220.04	655.61	55636	357.72	205.46	574.36
10	LT-6 b	Street Lights	26315	152.20	129.06	847.94	27594	153.16	133.34	870.61
11	LT-7	Temporary Power Supply	157530	31.73	80.07	2523.14	206834	32.99	97.09	2943.10
12		FAC(LT)			30.28					
	LT Total		5463991	9170.34	6362.03	693.76	5693709	9611.89	6927.64	720.74
13	HT-1	Water Supply	418	331.99	197.69	595.47	458	363.62	230.90	635.01
14	HT-2 (a)	Industries	2026	945.43	705.85	746.60	2198	1090.83	977.34	895.96
15	HT-2 (b)	Commercial	712	101.71	110.80	1089.39	763	104.33	123.48	1183.52
16	HT-2 (c)	Hospitals	373	59.67	52.11	873.30	402	65.79	61.83	939.77
17	HT-3(a)	Irrigation & LI Societies	323	321.57	165.54	514.79	348	347.02	147.97	426.40
18	HT-3 (b)	Irrigation & LI Societies	3	0.01	0.01	0.00	3	0.01	0.01	0.00
19	HT-4	Residential Apartments	32	16.72	12.13	725.68	32	17.17	13.62	793.40
20	HT-5	Temporary Power Supply	84	26.93	9.68	359.42	91	28.89	39.59	1370.23
21		FAC(HT)			6.69					
	HT Total		3971	1804.02	1260.50	698.72	4295	2017.67	1594.74	790.39
	Total		5467962	10974.36	7622.53	694.58	5698004	11629.56	8522.38	732.82
Other Operating revenues										
20		Reconnection fee (D&R) (61.901, 61.902)			0.19				0.20	
21		Service Connection (Supervision Charges) (61.904)			16.33				16.98	
22		Delayed payment charges from consumers (61.905)			101.20				105.25	
23		Other Receipts from consumers(61.906, 61.600)			4.92				5.12	
24		Registration fee towards SRTPV (61.907)			0.07				0.07	
25		Facilitation fee towards SRTPV (61.908)			0.22				0.23	
26		Supervision Charges for Self Execution works (61.909)			3.33				3.46	
27		Maintenance charges for the layouts created by the Developers (61.910)			0.71				0.74	
		Gross Revenue from Sale of Power (20 to 27)		0	126.97			0	132.05	
LESS: Rebate and Incentives										
28		Solar Rebate allowed to consumers (78.822)			3.36				3.49	
29		Incentives for prompt payment (78.823)			0.66				0.69	
30		Time of day (TOD) Tariff Incentive(78.826)			0.02				0.02	
		Total (28 to 30)			4.04				4.20	
31		Provision for withdrawal of Revenue Demand (83.830 to 83.832)			3.02				3.14	
		Total			7.06				7.34	
		GRAND TOTAL	5467962	10974.36	7742.44		5698004	11629.56	8647.09	



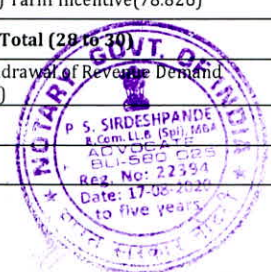
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Sl. No.	Tariff Category	Category Description	FY-23				FY-23			
			At existing tariff				At proposed tariff			
			Instal.	Energy	Revenue	Avg.	Instal.	Energy	Revenue	Avg.
			(No.s)	Sales	(CrS)	Real.	(No.s)	Sales	(CrS)	Real.
		(Mus)	Pr Act	[Ps/Unit]		(Mus)	Pr Act	[Ps/Unit]		
1	LT-1	BJ/KJ: =<40 units	712285	198.98	159.19	800.00	712285	198.98	198.98	1000.00
		BJ/KJ: >40 units	47124	70.49	31.23	443.10	47124	70.49	32.29	458.10
2	LT-2 (a)	Domestic / AEH	3243309	1772.99	1184.55	668.11	3243309	1772.99	1357.74	765.79
3	LT-2 (b)		7857	17.76	18.93	1065.88	7857	17.76	20.30	1143.38
4	LT-3	Commercial	453078	518.11	547.08	1055.91	453078	518.11	585.02	1129.15
5	LT-4 (a)	IP sets - Less than 10 HP - General	1006244	6354.25	4409.85	694.00	1006244	6354.25	5680.70	894.00
6	LT-4 (b)	Irrigation Pump sets - More than 10 HP	868	14.72	8.08	549.09	868	14.72	9.44	641.44
7	LT-4 (c)	Private Horticulture Nurseries, Coffee & Tea Plantations	548	1.00	0.71	714.35	548	1.00	0.85	852.86
8	LT-5	Industries	134672	327.05	303.85	929.09	134672	327.05	410.39	1254.83
9	LT-6 a	Water Supply	59469	381.27	225.11	688.32	59469	381.27	255.24	780.45
10	LT-6 b	Street Lights	28935	154.12	114.57	300.50	28935	154.12	122.78	322.02
11	LT-7	Temporary Power Supply	271569	34.29	74.23	481.63	271569	34.29	83.71	543.19
12		FAC(LT)								
	LT Total		5965958	9845.03	7077.39	718.88	5965958	9845.03	8757.45	889.53
13	HT-1	Water Supply	502	398.26	259.48	651.52	502	398.26	315.59	792.42
14	HT-2 (a)	Industries	2385	1258.60	1106.73	879.33	2385	1258.60	1460.23	1160.20
15	HT-2 (b)	Commercial	818	107.02	130.98	1223.81	818	107.02	272.58	2546.92
16	HT-2 (c)	Hospitals	432	72.54	69.26	954.70	432	72.54	87.83	1210.69
17	HT-3(a)	Irrigation & LI Societies	377	374.49	139.85	373.44	377	374.49	245.20	654.75
18	HT-3 (b)	Irrigation & LI Societies	3	0.01	0.01	0.00	3	0.01	0.02	0.00
19	HT-4	Residential Apartments	32	17.63	14.04	796.18	32	17.63	16.37	928.27
20	HT-5	Temporary Power Supply	100	31.00	42.74	1378.95	100	31.00	65.54	2114.55
21		FAC(HT)								
	HT Total		4649	2259.57	1763.09	780.28	4649	2259.57	2463.37	1090.19
	Total		5970607	12104.60	8840.48	730.34	5970607	12104.60	11220.82	926.99
Other Operating revenues										
20		Reconnection fee (D&R) (61.901, 61.902)			0.21				0.21	
21		Service Connection (Supervision Charges) (61.904)			17.66				17.66	
22		Delayed payment charges from consumers (61.905)			109.46				109.46	
23		Other Receipts from consumers(61.906, 61.600)			5.32				5.32	
24		Registration fee towards SRTPV (61.907)			0.08				0.08	
25		Facilitation fee towards SRTPV (61.908)			0.24				0.24	
26		Supervision Charges for Self Execution works (61.909)			3.60				3.60	
27		Maintenance charges for the layouts created by the Developers (61.910)			0.77				0.77	
		Gross Revenue from Sale of Power (20 to 27)		0	137.32			0	137.33	
		LESS: Rebate and Incentives								
28		Solar Rebate allowed to consumers (78.822)			3.63				3.63	
29		Incentives for prompt payment (78.823)			0.71				0.71	
30		Time of day (TOD) Tariff Incentive(78.826)			0.02				0.02	
		Total (28 to 30)			4.36				4.36	
31		Provision for withdrawal of Revenue Demand (83.830 to 83.832)			3.27				3.27	
		Total			7.63				7.63	
		GRAND TOTAL	5970607	12104.60	8970.17		5970607	12104.60	11350.52	



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Sl. No.	Tariff Category	Category Description	FY-24				FY-25			
			At proposed tariff				At proposed tariff			
			Instal.	Energy	Revenue	Avg.	Instal.	Energy	Revenue	Avg.
			(No.s)	Sales (Mus)	(Cr.)	Pr Act [Ps/Unit]	(No.s)	Sales (Mus)	(Cr.)	Pr Act [Ps/Unit]
1	LT-1	BJ/KJ: =<40 units	712285	198.98	198.98	1000.00	712285	198.98	198.98	1000.00
		BJ/KJ: >40 units	47124	70.49	32.29	458.10	47124	70.49	32.29	458.10
2	LT-2 (a)	Domestic / AEH	3401631	1844.29	1416.18	767.87	3567681	1918.46	1483.54	773.30
3	LT-2 (b)		8123	19.43	21.85	1124.56	8396	21.26	23.53	1106.78
4	LT-3	Commercial	475730	548.37	619.42	1129.56	499514	580.39	655.76	1129.86
5	LT-4 (a)	IP sets - Less than 10 HP - General	1031244	6514.10	5823.61	894.00	1056244	6673.96	5966.52	894.00
6	LT-4 (b)	Irrigation Pump sets - More than 10 HP	870	14.76	9.47	641.62	872	14.80	9.50	641.80
7	LT-4 (c)	Private Horticulture Nurseries, Coffee & Tea Plantations	595	1.09	0.93	852.86	647	1.18	1.01	852.86
8	LT-5	Industries	139339	335.32	430.63	1284.23	144167	343.80	473.42	1377.02
9	LT-6 a	Water Supply	63567	406.37	282.92	843.74	67947	433.13	301.78	877.78
10	LT-6 b	Street Lights	30341	155.08	124.35	305.99	31816	156.05	125.96	290.82
11	LT-7	Temporary Power Supply	356566	35.65	104.67	674.96	468164	37.06	130.55	836.55
12		FAC(LT)								
	LT Total		6267415	10143.93	9065.29	893.67	6604858	10449.57	9402.86	899.83
13	HT-1	Water Supply	549	436.21	345.67	792.45	602	477.77	378.62	792.48
14	HT-2 (a)	Industries	2588	1452.17	1656.39	1140.63	2808	1675.52	1856.62	1108.08
15	HT-2 (b)	Commercial	877	109.79	292.27	2662.16	940	112.62	316.36	2809.17
16	HT-2 (c)	Hospitals	465	79.99	97.99	1225.06	501	88.19	108.89	1234.67
17	HT-3(a)	Irrigation & LI Societies	406	404.14	269.51	666.86	438	436.14	295.60	677.76
18	HT-3 (b)	Irrigation & LI Societies	4	0.01	0.02	0.00	4	0.02	0.02	0.00
19	HT-4	Residential Apartments	33	18.11	16.85	930.64	33	18.60	17.25	927.70
20	HT-5	Temporary Power Supply	108	33.25	71.03	2136.06	118	35.67	81.05	2272.00
21		FAC(HT)								
	HT Total		5030	2533.67	2749.73	1085.27	5444	2844.52	3054.41	1073.79
	Total		6272445	12677.61	11815.02	931.96	6610302	13294.09	12457.27	937.05
Other Operating revenues										
20		Reconnection fee (D&R) (61.901, 61.902)			0.21				0.22	
21		Service Connection (Supervision Charges) (61.904)			18.37				19.10	
22		Delayed payment charges from consumers (61.905)			113.84				118.39	
23		Other Receipts from consumers(61.906, 61.600)			5.53				5.76	
24		Registration fee towards SRTPV (61.907)			0.08				0.08	
25		Facilitation fee towards SRTPV (61.908)			0.25				0.26	
26		Supervision Charges for Self Execution works (61.909)			3.75				3.90	
27		Maintenance charges for the layouts created by the Developers (61.910)			0.80				0.83	
		Gross Revenue from Sale of Power (20 to 27)		0	142.82			0	148.54	
LESS: Rebate and Incentives										
28		Solar Rebate allowed to consumers (78.822)			3.78				3.93	
29		Incentives for prompt payment (78.823)			0.74				0.77	
30		Time of day (TOD) Tariff Incentive(78.826)			0.02				0.02	
		Total (28 to 30)			4.54				4.72	
31		Provision for withdrawal of Revenue Demand (83.830 to 83.832)			3.40				3.53	
		Total			7.94				8.25	
		GRAND TOTAL	6272445	12677.61	11949.90		6610302	13294.09	12597.56	



(From D2)

HESCOM is not proposing any modification for FY-22.

Revenue from Miscellaneous Charges: The income from reconnection fee, service connection charges, delayed payment charges and other receipts are shown under this Head. HESCOM has accounted miscellaneous charges of Rs. 119.91 Crs, for FY-21. The details are furnished below.

Details of from Miscellaneous Charges:

(From D2) Rs. In Crs

Particulars	FY-21 (Actual)	FY-22 Projected	FY-23 Projected	FY-24 Projected	FY-25 Projected
Reconnection fee (D&R)	0.19	0.20	0.21	0.21	0.22
Service Connection (Supervision Charges)	16.33	16.98	17.66	18.37	19.10
Delayed payment charges from consumers	101.20	105.25	109.46	113.84	118.39
Other Receipts from consumers	4.92	5.12	5.32	5.53	5.76
Registration fee towards SRTPV	0.07	0.07	0.08	0.08	0.08
Facilitation fee towards SRTPV	0.22	0.23	0.24	0.25	0.26
Supervision Charges for Self Execution works	3.33	3.46	3.60	3.75	3.90
Maintenance charges for the layouts created by the Developers	0.71	0.74	0.77	0.80	0.83
Total	126.97	132.05	137.32	142.82	148.54
LESS:					
Solar Rebate allowed to consumers	3.36	3.49	3.63	3.78	3.93
Incentives for prompt payment	0.66	0.69	0.71	0.74	0.77
Time of day (TOD) Tariff Incentive	0.02	0.02	0.02	0.02	0.02
Provision for withdrawal of Revenue Demand	3.02	3.14	3.27	3.40	3.53
Total	7.06	7.34	7.63	7.94	8.25
Net total	119.91	124.71	129.69	134.88	140.29

HESCOM is not proposing any modification for FY-22.

Net Revenue Expected: Considering the revenue from existing Tariff Order-2021 across the categories and revenue from miscellaneous charges duly deducting rebate to be allowed, the net revenue expected for FY-22 and FY-23 is furnished below.



Details of Net Revenue at existing Tariff:

(From D2)

Sl. No	Particulars	FY-22	FY-23
1	Revenue at existing tariff from all categories	8522.38	8840.48
2	Miscellaneous Charges	124.71	129.69
3	Net Revenue Expected	8647.09	8970.17

HESCOM is not proposing any modification for FY-22.

ANNUAL REVENUE REQUIREMENT for FY-23.

Rs. in Crs.

Ref. Form	Particulars	FY-23 At Existing tariff Projection
D-1	Energy at Generation Point (Mus)(Including HRECS and AEQUS)	14718.62
	Energy at Generation Point (Mus)(HESCOM)	14348.63
	Transmission Loss (units)	427.30
	Transmission Loss (%)	2.978%
D-1	Energy at Interface Point (Mus)	13921.33
D-2	Energy Sales (Mus)	12104.60
	Distribution Loss (%)	13.05%
INCOME:		
D-2	Revenue from sale of power	4401.14
D-3	Revenue subsidies & grants	4569.04
TOTAL INCOME		8970.18
EXPENDITURE:		
D-1	Purchase of Power	6217.20
	Tr. Charges (PGCIL & POSCO)	574.48
	Tr. Charges (KPTCL & SLDC) Charges	803.86
	Total Power Purchase Cost	7595.54
D-5	Repairs & maintenance	110.05
D-6	Employee Costs	1136.86
D-7	Administrative & General expenses	184.83
	Total O&M expenses	1431.74
D-8	Depreciation & related debits	330.34
D-9	Interest & Finance charges	
	Interest on loan capital	336.10
	Interest on working capital	245.83
	Interest on consumer deposit	42.49
	Other interest and finance charges	-
	Interest on belated payments of IPPs	-
D-10	LESS: Int. & Fin. charges capitalized	-
	Total Interest and Finance Charges	624.42
D-11	Other debits (incl. Bad debts)	24.22
D-12	Extraordinary Items (Exceptional Items : Adjustment of Excess Subsidy paid)	-
D-13	Net prior period (credits) / charges	-
	Provision for Taxes	-
	Funds towards consumer Relations	0.50
A-4	Return on Equity	-
	Pension and Gratuity Trust arrears	-
	LESS: Excess RoE	-
	LESS: Other income	329.12
	ARR	9677.64
	Add Regulatory Asset	144.07
	Add: Previous year's deficit carried forward to next year	1352.14
	Add Carrying cost @ 12% on deficit of FY-21	162.26
	Add Carrying cost on Regulatory Asset @ 10%	14.41
	Net ARR	11350.52
	REVENUE SURPLUS / (DEFICIT):	-2380.34



ARR for Distribution Business and Retails Supply Business. FY-23.

Rs. in Crs.

EXPENDITURE / ARR	Distribution Business	Retails Supply Business
	FY-23	FY-23
Power Purchase Cost	0.00	6217.20
Tr. Charges Cost(PGCIL & POSCO)	0.00	574.48
Tr. Charges Cost (KPTCL & SLDC) Charges	0.00	803.86
Total Power purchase Cost	0.00	7595.54
a) Repairs and Maintenance cost	69.33	40.72
b) Employee cost	716.22	420.64
c) Administration and General expenses	116.44	68.39
O & M Total	902.00	529.74
Depreciation	277.48	52.86
Interest on loan	336.10	0.00
Interest on working capital	61.46	184.38
Interest on security deposit	0.00	42.49
other interest and finance charges	0.00	0.00
Interest on belated payment of PPC	0.00	0.00
Less Interest & Other expenses capitalised	0.00	0.00
Total interest and Finance charges	397.56	226.87
Pension and Gratuity Trust arrears	0.00	0.00
Other expenses, if any	24.22	0.00
Extraordinary Items (Exceptional Items : Adjustment of Excess Subsidy paid)	0.00	0.00
Add Distribution loss incentive	0.00	0.00
funds towards consumer education	0.00	0.50
Prior Period Charges	0.00	0.00
Return on equity	0.00	0.00
Provision for Taxation	0.00	0.00
LESS: Non-Tariff income	62.53	266.59
ARR	1538.73	8138.92
Add Regulatory Asset & Carrying Cost	158.48	0.00
Previous years' deficit/surplus carried forward	1352.14	0.00
Carrying cost @ 12% on deficit of FY-21	162.26	0.00
Net ARR	3211.60	8138.92

ATTESTED

NOTARY



CONTROLLER (A&R)
HESCOM, HUBLI.