



KERALA STATE ELECTRICITY BOARD LIMITED

(Incorporated under the Companies Act, 1956)

Registered Office: Vydyuthi Bhavanam, Pattom,

Thiruvananthapuram – 695 004, Kerala

CIN: U40100kl2011SGC027424

Website: www.kseb.in Phone No.-0471-2514520 Email: dceplg@kseb.in

Abstract

Annual Plan 2021-22 - Revised Capital Investment Plan for 2020-21 & Capital investment Plan for 2021-22 -Approved -orders issued.

Corporate Office (Corporate Planning)

B.O (FTD) No.673 /2020 (CP/Plg.1/AP/20-21), Thiruvananthapuram dated: 06.11.2020

- Read: 1. B.O(FTD) No. 873/2019(CP/Plg1/AP/2019-20) dated 27.11.2019
2. Letter D.O No.216/2020/PCD/SPB(2) dated 11.08.2020 from the Additional Chief Secretary & Member Secretary, Kerala State Planning Board addressed to the CMD, KSEB Limited
 3. Note No. CP/Plg.1/AP/2020-21/103 dated: 30.10.2020 of the Deputy Chief Engineer (C&P) with full powers of Chief Engineer (Agenda 32/11/20)

ORDER

The Capital investment plan for an amount of Rs. 4252.84 cr was approved as per B.O. read as 1st above for internal budgetary control of KSEBL for the year 2020-21. Also a capital investment plan with an outlay of Rs. 1768.57 cr was approved for submission to the State Planning Board (SPB) for inclusion in the State Plan. Subsequently, Rs. 1708.23 cr was approved in the state budget for plan schemes of KSEBL for 2020-21.

The Additional Chief Secretary & Member Secretary, Kerala State Planning Board as per DO letter read as 2nd above has requested KSEBL to provide the Annual Plan for the year 2021-22 and revised Annual Plan proposal for the year 2020-21. It was suggested to limit the proposals to be included in State plan for 2021-22 at the same level for 2020-21.

Accordingly, the revised plan proposal for 2020-21 and proposal for 2021-22 were prepared. The detailed scheme wise capital investment plan proposals are attached as Annexure I(a) and I(b). Annexure I(a) figures the plan proposals for KSEB Ltd's budgetary control and Annexure I(b) contains the plan proposal for inclusion in State Plan.

The revised budget outlay estimated for 2020-21 is Rs. 3557.91 cr. However, in order to limit the outlay as desired by the State Planning Board, only a part of this revised estimate is proposed to be included in the State budget, as was done in the previous years. As such a revised plan of Rs. 1708.24 cr is proposed for inclusion in the State plan for 2020-21. The total budget outlay proposed for 2021-22 is Rs. 4308.79 cr. in which an outlay of Rs.1788.91 cr. only is proposed for inclusion in the State Plan. The Sector wise investment is as given below :

Schemes	Revised Budget outlay for 2020-21 (in Rs cr)	Proposed Budget outlay for 2021-22(in Rs cr)
Generation (including Soura)	692.51	893.15
Transmission (including TransGrid, compensation for lines under central schemes)	1425.60	1537.00
Distribution (including Dyuthi)	1210.61	1646.00
State Support schemes (including Innovation projects, VGF for West Kallada Floating solar project and ERP)	7.8	18.48
Others (including setting up of EV charging stations)	221.39	214.16
Total	3557.91	4308.79

The Deputy Chief Engineer (Commercial & Planning) with full power of Chief Engineer in his note read as 3rd above has recommended to approve the Revised Capital investment plan proposal for a total outlay of Rs.3557.91 cr for 2020-21 and Capital investment plan proposal for a total outlay of Rs.4308.79 cr for 2021-22 as per Annexures I(a) for KSEB Ltd's budgetary control. It is also recommended to approve a total outlay of Rs. 1708.24 cr as revised budget estimate for 2020-21 and a total outlay of Rs.1788.91 cr as proposal for 2021-22 as per Annexure I(b) for submission to the State Planning Board. The Director (Planning & Safety) has recommended to place the matter before Full Time Directors. Accordingly, the proposals have been placed before the FTD as per note read as 3 above.

Having considered the matter in detail, the Full Time Directors in its meeting held on 04.11.2020 resolved to approve the following:

1. The Revised Capital Investment Plan for the year 2020-21 and the Capital Investment Plan for the year 2021-22 for internal budgetary control of KSEBL as attached as Annexures I(a)
2. The Revised Plan for 2020-21 and Plan for 2021-22 as attached in Annexure I(b) for submitting before the State Planning Board for inclusion in the State Budget

Further resolved to place the matter before the Board of Directors of KSEBL for ratification.

Orders are issued accordingly.

By order of the Full Time Directors,

Sd/-

(Lekha G)

Company Secretary I/C

To

The TA to CMD/Director (D,IT&HRM)/Director (T&SO)/ Director(Gen-Ele & SCM)/

Director (Gen-Civil)/ /Director(P&S)

The PA to Director(Finance)

The Chief Engineers SCM/REES/IT,CR&CAPS

Copy to:

The Chief Engineer (HRM)/ Deputy Chief Engineer (C&P) with full powers of Chief Engineer /LA&DEO/Secretary (Admn.)/ State Nodal Officer (Soura)/ Financial Advisor

Forwarded by order,



Assistant Executive Engineer

Annexure I(a) to BO (FTD) No.673/2020 (CP/Plg.1/AP/2020-21) dtd 06.11.2020

Capital investment plan of KSEBL for 2021-22

Amount in Rs. Lakhs

Sl. No.	Scheme	Annual Plan (2020-21) Outlay of KSEBL	Progress as on 30.9.20	Revised outlay 20-21 of KSEBL	Proposed Annual Plan Outlay 2021-22 KSEBL
A. GENERATION					
I. HYDEL					
(a) Ongoing Schemes					
1	Bhoothathankettu	2500	200.353	1650	1400.00
2	Chathankottunada-II	3500	742.16	3965	1700.00
3	Sengulam Augmentation	2500	370.021	1200	1800.00
4	Pallivasal Extension	9800	1454.1	6120	7030.00
5	Thottiyar	8000	658.63	7000	5400.00
6	Poringalkuthu SHP	1038	390.591	2000	1000.00
7	Upper Kallar	700	257.938	1005	200.00
8	Pazhassi Sagar	3000	193.49	700	4000.00
9	Chinnar	3500	987.78	3500	9212.00
10	Peruvannamoozhi	3000	401.37	3000	3400.00
Ongoing schemes Total		37538	5656.433	30140	35142
(b) New Schemes					
1	Olikkal	200	29.73	200	1274.00
2	Poovaramthode	200	29.78	200	1248.00
3	Chembukadavu-III	5	0.25	5	800.00
4	Peechad	5	0	5	100.00
5	Ladrum	200	32	200	500.00
6	Western Kallar	25	0	20	25.00
7	Marmala	200	27.2	500	800.00
8	Mankulam	1500	413.06	1500	4312.00
9	Upper Sengulam	500	39.32	750	1500.00
10	Valanthode	100	50.51	120	325.00
11	Maripuzha	550	65.97	952	1050.00
12	Vadakkepuzha extension	10	0		
13	Anakkayam	1500	51.56	300	1600
14	Pambar	3	0	1.5	2
15	Achankovil/Twin Kallar	1	0	0.5	1
16	Athirappally	1	6.957	12	0
17	Moorikkadavu(New scheme)	0	0	0	0.25
18	Pambala (New scheme)	1	0	0.5	3
19	Passukadavu	1	0	1	1
20	Chathankottunada I	1	0	1	
21	Keerithodu		0	1	1
22	Idukki Extension Scheme	300	0	300	675
New Schemes Total		5303	746.337	5069.5	14217.25
(c) Existing Schemes					
1. For the Balance civil work bill/final bill in the commissioned hydro projects					
1	Barapole	250	0	650	68.15

Sl. No.	Scheme	Annual Plan (2020-21) Outlay of KSEBL	Progress as on 30.9.20	Revised outlay 20-21 of KSEBL	Proposed Annual Plan Outlay 2021-22 KSEBL
2	Kakkayam	22	0	37	1.00
3	Perumthenaruvi	10	1.39	40.5	22.50
4	KAES (Payment to BHEL)	400		400	10.00
5	KTR (Balance Payment)				24.00
6	KA scheme Thariode			105	113.00
	Total of Existing Schemes	682	1.39	1232.5	238.65
	Existing Schemes				
	2. Maintenance works of capital nature of existing hydro projects				
4	Idamalayar	168	12.76	105	300
5	Idukki	1359.15	61.80	984.4	2299
6	Kuttiyadi	380	43.79	406	536
7	Lower Periyar	863.2	48.20	394	600
8	Pallivasal	438.7	296.00	438.7	349
9	Panniar	895.6	30.37	236.3	1512.8
10	Sabarigiri	3540.5	54.96	1028	2360
11	Sengulam	225	42.04	33	265
13	Poringal kuth & PLBE	285	52.54	302	293
14	Neriamangalam & NES	42	0.00	42	150
15	Sholayar	95	0.58	100	92
16	Small Hydro Projects	768	25.29	603.5	848.8
17	Wind farm	6	0	6	10
18	Sengulam (ps replacement work)	3000	24.88	2000	3500
19	Kakkad	579	0.8	470	608
	Total	12645.15	694.001	7148.9	13723.6
II.	THERMAL				
1	Brahmapuram Diesel Power Plant	107.1	0	10	
2	Kozhikode Diesel Power Plant	100	12.34	25	
	Thermal Total	207.1	12.34	35	0
	Total of Capital work in existing Projects	12852.25	706.3411	7183.9	13723.6
III.	RENOVATION & MODERNISATION OF EXISTING HYDRO STATIONS				
1	Sholayar	2037	540.00	1874.75	263
2	Kuttiyadi	6000	56.38	1055	5074
3	Idukki Stage-I	792	194.32	1321.6	766
4	Poringalkuthu	0	0.00		
5	Sengulam Pump house	273	72.19	548.89	
	R&M of Existing hydel stations Total	9102	862.89	4800.24	6103
IV	PSDF works Generation (CSS)	930.98	23.14	930.98	
VI	Dam Rehabilitation and Improvement Project (DRIP)	4000	745.53	3500	1800

Sl. No.	Scheme	Annual Plan (2020-21) Outlay of KSEBL	Progress as on 30.9.20	Revised outlay 20-21 of KSEBL	Proposed Annual Plan Outlay 2021-22 KSEBL
VII	Dam safety studies / Desiltation works	2200	28.71		1200
VIII	SOURA	10000	6.48	5000	15000
IX	OTHER WORKS				
1	Survey, Investigation & Environmental Studies	150	237.09	620	730
2	Solar Power Projects	4000	2040.59	10774	1160
	Other Works TOTAL	4150	2277.68	11394	1890
	Flood Resilience Works-Generation	1000	280.04		
	TOTAL GENERATION (I to IX)	87758.23	11334.9682	69251.12	89314.5
B.	TRANSMISSION				
1	Transmission works(Normal)	50000	6250.56	50000	55000
2	PSDF works (CSS)	16254	499.72	8000	12500
3	System Operation works	1200	50	500	1200
4	Transgrid 2.0 down stream works	10000	1357.43		
5	PSDF works under Transgrid.2	2000	8254.13	11000	
6	Transgrid 2.0(KIIFB)	75000	21902.21	65000	75000
7	Compensation package (Edamon Kochi)	2500	1800	3800	10000
8	Flood Resilience Works-Transmission	4260		4260	
	TOTAL TRANSMISSION	161214	40114.05	142560	153700
C.	DISTRIBUTION				
1	Normal	30000	32754.53		
2	Dyuthi	74569		89591.71	130000
3	other funded works	9392.294		10224.26	10500
4	Estimated cost of works	20718.36		20238.34	21000
	subtotal (funded/ECSC)	30110.654	0	30462.6	31500
5	IPDS	5000	2051.77		
6	DDUGJY	1500	8.14		
7	IPDS New(Smart meters under IPDS)	4870		7	100
	CSS Total	11370	2059.91	7	100
8	Flood Resilience Works-Distribution	1000		1000	3000
	TOTAL DISTRIBUTION	147049.654	34814.44	121061.31	164600

Sl. No.	Scheme	Annual Plan (2020-21) Outlay of KSEBL	Progress as on 30.9.20	Revised outlay 20-21 of KSEBL	Proposed Annual Plan Outlay 2021-22 KSEBL
D	STATE SUPPORT PROJECTS				
1	Innovation projects	200		780	1848
2	ESCOT projects	100			
	Total	300	0	780	1848
E.	OTHER WORKS				
1	Construction of administrative complexes and other buildings	2000	306.35	2000	2161
2	Mechanical Fabrication Works	12500	3766.35	14470	17205
3	Compesation package (Edamon Kochi)	2500			
4	Smart grid- Kochi (NSGM)	2500			
5	RAPDRP PART A / SCADA/IPDS incremental IT	1962	1003.16	2061	
6	RAPDRP Part B	50	129.71		
7	Institutional Development Program	600		100	100
8	IT Enabled Services	2236	723.79	1000	1000
9	ERP under IPDS	1794	401.4	850	850
10	ERP -provision for state support	500			
11	PM Kusum	1500			
12	EV charging station	820		1658	100
	TOTAL	28962	6330.76	22139	21416
	Grand Total	425283.88	92594.22	355791.43	430878.50
	GRAND TOTAL IN RS Cr	4252.84	925.94	3557.91	4308.79

Sd/-
Lekha G
Company Secretary I/C

Annexure I(b) to BO (FTD) No.673/2020 (CP/Plg.1/AP/2020-21) dtd 06.11.2020

Capital investment plan of KSEBL for 2021-22 Outlay for Inclusion in State Plan

Amount in Rs Lakhs

Sl. No.	Scheme	Annual Plan (2020-21) Outlay State Plan	Revised outlay 2020-21 to State Plan	Proposed outlay 2021-22 to State Plan
A.	GENERATION			
I.	HYDEL			
	(a) Ongoing Schemes			
1	Bhoothathankettu	1000	1650	1000
2	Chathankottunada-II	1500	2615	1500
3	Sengulam Augmentation	2500	1200	1800
4	Pallivasal Extension	3000	3220	3000
5	Thottiyar	1000	1600	1000
6	Poringalkuthu SHP	500	500	500
7	Upper Kallar	700	1005	200
8	Pazhassi Sagar	2000	700	2000
9	Chinnar	3500	3500	3000
10	Peruvannamoozhi	3000	3000	3400
	Ongoing schemes Total	18700	18990	17400
	(b) New Schemes			
1	Olikkal	200	200	1274
2	Poovaramthode	200	200	1248
3	Chembukadavu-III	5	5	800.00
4	Peechad	5	5	100
5	Ladrum	200	200	500
6	Western Kallar	25	20	25
7	Marmala	200	500	800
8	Mankulam	1000	1500	2000
9	Upper Sengulam	500	750	1500
10	Valanthode	100	120	325
11	Maripuzha	550	550	550
12	Vadakkepuzha extension	10		
13	Anakkayam	200	300	1600
14	Pambar	3	1.5	2
15	Achankovil/Twin Kallar	1	0.5	1
16	Athirappally	1	12	
17	Pambla (New scheme)	1	0.5	3
18	Passukadavu	1	1	1
19	Chathankottunada I	1	1	
20	Keerithodu		1	1
21	Idukki Extension Scheme	200	300	675
	New Schemes Total	3403	4667.5	11405

Sl. No.	Scheme	Annual Plan (2020-21) Outlay State Plan	Revised outlay 2020-21 to State Plan	Proposed outlay 2021-22 to State Plan
	(c) Existing Schemes			
	1. For the Balance civil work bill/final bill in the commissioned hydro projects			
1	Barapole	50	650	68.15
2	Kakkayam	22	37	1
3	Perumthenaruvi	10	40.5	22.5
	Total of Existing Schemes	82	727.5	91.65
	Existing Schemes			
	2. Maintenance works of capital nature of existing hydro projects			
4	Idamalayar	168	105	300
5	Idukki	1359.15	984.4	1399
6	Kuttiyadi	380	406	536
7	Lower Periyar	863.2	394	600
8	Pallivasal	438.7	438.7	349
9	Panniar	895.6	236.3	900
10	Sabarigiri	1540.5	1028	1500
11	Sengulam	225	33	265
13	Poringal kuth & PLBE	285	302	293
14	Neriamangalam & NES	42	42	150
15	Sholayar	95	100	92
16	Small Hydro Projects	768	603.5	848.8
17	Wind farm	6	6	10
	Total	7066.15	4678.9	7242.8
II.	THERMAL			
1	Brahmapuram Diesel Power Plant	107.1	10	
2	Kozhikode Diesel Power Plant	100	25	
	Thermal Total	207.1	35	0
	Total of Capital work in existing Projects	7273.25	4713.9	7242.8
III.	RENOVATION & MODERNISATION OF EXISTING HYDRO STATIONS			
1	Sholayar	2037	1874.75	263
2	Kuttiyadi	6000	1055	5074
3	Idukki Stage-I	792	1321.6	766
4	Sengulam Pump house	273	548.89	
	R&M of Existing hydel stations Total	9102	4800.24	6103

Sl. No.	Scheme	Annual Plan (2020-21) Outlay State Plan	Revised outlay 2020-21 to State Plan	Proposed outlay 2021-22 to State Plan
IV	Dam Rehabilitation and Improvement Project (DRIP)	3500	3500	1800
V	Dam safety studies / Desiltation works			1200
VI	SOURA	100	1200	2000
VII	OTHER WORKS			
1	Survey, Investigation & Environmental Studies	150	620	730
2	Solar Power Projects	4000	8230	1160
	Other Works TOTAL	4150	8850	1890
	Flood Resilience Works-Generation	10		
	TOTAL GENERATION (I to VII)	46320.25	47449.14	49132.45
B.	TRANSMISSION			
1	Transmission works(Normal)	30000	40000	45000
2	PSDF works (CSS)	54	54	100
3	System Operation works	1200	500	1200
4	Transgrid 2.0 down stream works	10000		
5	Transgrid 2.0(KIIFB)	1	800	800
6	Flood Resilience Works-Transmission	60	60	
	TOTAL TRANSMISSION	41315	41414	47100
C.	DISTRIBUTION			
1	Normal	30000		
2	Dyuthi	5000	36500	40000
3	other funded works	9392.294	10224.26	9000
4	Estimated cost of works	17718.36	20238.34	19500
	subtotal (funded/ECSC)	27110.654	30462.6	28500
5	IPDS New(Smart meters under IPDS)	4870	7	100
	CSS Total	4870	7	100

Sl. No.	Scheme	Annual Plan (2020-21) Outlay State Plan	Revised outlay 2020-21 to State Plan	Proposed outlay 2021-22 to State Plan
6	Flood Resilience Works-Distribution	1000	1000	3000
	TOTAL DISTRIBUTION	67980.654	67969.6	71600
D	STATE SUPPORT PROJECTS			
1	Innovation projects	2220	780	1848
2	ESCOT projects	100		
	Total	2320	780	1848
E.	OTHER WORKS			
1	Construction of administrative complexes and other buildings	2000	2000	2161
2	Mechanical Fabrication Works	5000	6000	5000
3	RAPDRP PART A / SCADA/IPDS incremental IT	1962	2061	
4	Institutional Development Program	600	100	100
5	IT Enabled Services	2236	1000	1000
6	ERP under IPDS	1089	850	850
7	EV charging station		1200	100
	TOTAL	12887	13211	9211
	Grand Total	170822.90	170823.74	178891.45
	GRAND TOTAL IN RS Cr	1708.23	1708.24	1788.91

Sd/-
Lekha G
Company Secretary I/C