

National Load Despatch Centre राष्ट्रीय भार प्रेषण केंद्र

POWER SYSTEM OPERATION CORPORATION LIMITED पाँवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

(Government of India Enterprise/ भारत सरकार का उद्यम)

B-9, QUTUB INSTITUTIONAL AREA, KATWARIA SARAI, NEW DELHI -110016 बी-9, कृतुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 23rd August 2018

Τо

- 1. कार्यकारी निदेशक, पू.क्षे.भा .प्रे.के.,14, गोल्फ क्लब रोड, कोलकाता ७०००३३ Executive Director, ERLDC, 14 Golf Club Road, Tolleygunge, Kolkata, 700033
- 2. महाप्रबंधक, ऊ. क्षे. भा. प्रे. के., 18/ ए, शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली 110016 General Manager, NRLDC, 18-A, Shaheed Jeet Singh Marg, Katwaria Sarai, New Delhi – 110016
- 3. कार्यकारी निदेशक, प .क्षे .भा .प्रे .के., एफ3-, एम आई डी सी क्षेत्र , अंधेरी, मुंबई -400093 Executive Director, WRLDC, F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai-400093
- 4. कार्यकारी निदेशक, ऊ. पू. क्षे. भा. प्रे. के., डोंगतिएह, लोअर नोंग्रह, लापलंग, शिलोंग ७९३००६ Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
- 5. महाप्रबंधक , द .क्षे .भा .प्रे .के., २९ , रेस कोर्स क्रॉस रोड, बंगलुरु -560009 General Manager, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 22.08.2018.

महोदय/Dear Sir.

आई॰ई॰जी॰सी॰-२०१० की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 22-अगस्त-२०१८ की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा॰भा॰प्रे॰के॰ की वेबसाइट पर उप्लब्ध है ।

As per article 5.5.1 of the Indian Electricity Grid Code, the daily report pertaining power supply position of All India Power System for the date 22nd August 2018, is available at the NLDC website.

धन्यवाद,

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

Report for previous day **Date of Reporting** 23-Aug-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	55247	42928	40142	21663	2729	162709
Peak Shortage (MW)	554	64	0	350	101	1069
Energy Met (MU)	1310	953	925	463	53	3704
Hydro Gen (MU)	354	22	182	110	20	688
Wind Gen (MU)	34	110	204			348
Solar Gen (MU)*	19.58	9.54	53.22	0.45	0.01	83
Energy Shortage (MU)	6.2	0.5	0.0	1.1	1.1	8.9
Maximum Demand Met during the day	58069	44140	40040	21912	2775	164894
(MW) & time (from NLDC SCADA)	00:00	19:47	10:53	19:57	18:44	19:48

B. Frequency Profile (%)

Region	FVI	<49.7	49.7-49.8	49.8-49.9	<49.9	49.9-50.05	> 50.05
All India	0.041	0.00	0.44	8.58	9.02	80.89	10.09

Region	States	Max. Demand Met during the day (MW)	Shortage during maximum Demand (MW)	Energy Met (MU)	Drawal Schedule (MU)	OD(+)/UD(-) (MU)	Max OD (MW)	Energy Shortage (MU
	Punjab	10800	0	241.4	143.5	-0.9	109	0.0
	Haryana	9011	0	191.6	151.1	-0.1	167	0.0
	Rajasthan	9705	0	216.5	71.3	0.1	945	0.0
	Delhi	5687	0	117.3	95.4	-0.8	158	0.0
NR	UP	19086	0	420.3	211.5	-0.2	385	0.0
	Uttarakhand	1864	0	41.4	22.4	0.5	197	0.0
	HP	1407	0	29.5	-0.8	3.0	225	0.0
	J&K	2217	554	47.1	22.9	-1.2	283	6.2
	Chandigarh	249	0	5.3	6.1	-0.8	2	0.0
	Chhattisgarh	3594	64	82.7	25.2	1.5	652	0.5
	Gujarat	12877	0	288.6	66.9	2.0	435	0.0
	MP	7434	0	160.8	70.9	-2.2	319	0.0
WR	Maharashtra	17471	0	375.9	106.0	-1.7	784	0.0
WK	Goa	441	0	9.0	8.8	-0.4	71	0.0
	DD	336	0	7.6	6.4	1.1	102	0.0
	DNH	783	0	18.3	16.6	1.7	122	0.0
	Essar steel	554	0	10.5	10.0	0.4	288	0.0
	Andhra Pradesh	7786	0	175.6	18.9	2.2	770	0.0
	Telangana	8289	0	178.0	52.5	0.6	500	0.0
SR	Karnataka	9201	0	179.6	35.4	-1.6	445	0.0
JI.	Kerala	2972	0	57.7	25.6	-1.2	175	0.0
	Tamil Nadu	14464	0	325.8	105.7	1.7	561	0.0
	Pondy	384	0	8.2	8.1	0.1	74	0.0
	Bihar	4804	0	97.9	97.7	0.2	412	0.0
	DVC	2849	300	64.4	-30.2	4.4	435	1.1
ER	Jharkhand	1173	0	26.2	19.4	1.1	185	0.0
LIN	Odisha	5318	0	106.1	52.8	3.9	398	0.0
	West Bengal	8172	0	166.9	47.8	2.2	445	0.0
	Sikkim	87	0	1.5	1.4	0.1	20	0.0
	Arunachal Pradesh	126	2	2.2	2.5	-0.2	25	0.0
	Assam	1721	87	34.1	28.9	1.7	188	1.0
	Manipur	174	2	2.1	2.2	-0.1	25	0.0
NER	Meghalaya	306	0	5.6	2.1	0.3	53	0.0
	Mizoram	81	1	1.5	1.0	0.1	17	0.0
	Nagaland	111	1	2.4	1.7	0.3	35	0.0
	Tripura	274	0	4.7	4.2	0.0	103	0.1

 $\textbf{D. Transnational Exchanges} \ \ (\textbf{MU}) \textbf{-} \textbf{Import} (+\textbf{ve}) / \textbf{Export} (-\textbf{ve})$

	Bhutan	Nepal	Bangladesh
Actual(MU)	32.0	-6.3	-14.8
Day peak (MW)	1590.8	-265.0	-668.0

$\underline{E.\ Import/export\ By\ Regions(in\ MU)-Import(+ve)/Export(-ve);\ OD(+)/UD(-)}$

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	292.7	-246.1	2.9	-52.1	2.7	0.1
Actual(MU)	287.4	-253.7	-1.3	-34.6	3.2	1.0
O/D/U/D(MU)	-5.3	-7.5	-4.2	17.5	0.5	0.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3750	15620	10262	1670	141	31444
State Sector	9405	17406	11823	5585	50	44268
Total	13155	33026	22085	7255	191	75712

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	578	1014	407	413	8	2420
Hydro	354	22	182	110	20	688
Nuclear	27	27	24	0	0	79
Gas, Naptha & Diesel	18	44	23	0	25	109
RES (Wind, Solar, Biomass & Others)	68	119	296	0	0	484
Total	1046	1226	932	523	53	3780

Share of RES in total generation (%)	6.53	9.72	31.74	0.09	0.04	12.79
Share of Non-fossil fuel (Hydro, Nuclear and	42.96	13.76	53.87	21.04	38.29	33.08
RES) in total generation (%)	42.90	15./0	55.67	21.04	36.29	33.06

H. Diversity Factor
All India Demand Diversity Factor
1.012
Diversity factor = Sum of regional maximum demands / All India maximum demand

 $[\]textbf{*Source:} \ RLDCs \ for \ solar \ connected \ to \ ISTS; \ SLDCs \ for \ embedded \ solar. \ Limited \ visibility \ of \ embedded \ solar \ data.$

		INTE	A-AEGI	OTTAL EA	<u>CHANGES</u>	Date of 1	Reporting :	23-Aug-1
	1							Import=(+ve) /Export =(-ve) for NET (MU)
Sl No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
Import/E	Export of	ER (With NR)	D/C	0	447	0.0	6.5	-6.5
2	765kV	GAYA-VARANASI SASARAM-FATEHPUR	S/C	333	0	5.2	0.0	5.2
3		GAYA-BALIA	S/C	0	363	0.0	6.5	-6.5
4	HVDC	ALIPURDUAR-AGRA	-	0	787	0.0	18.9	-18.9
5	11.20	PUSAULI B/B	S/C	0	398	0.0	9.9	-9.9
6		PUSAULI-VARANASI	S/C	0	288	0.0	0.0	0.0
7 8		PUSAULI -ALLAHABAD MUZAFFARPUR-GORAKHPUR	S/C D/C	0	163 640	0.0	0.0 10.9	0.0 -10.9
9	400 kV	PATNA-BALIA	O/C	0	1181	0.0	22.2	-22.2
10		BIHARSHARIFF-BALIA	D/C	0	209	0.0	3.3	-3.3
11		MOTIHARI-GORAKHPUR	D/C	119	0	5.8	0.0	5.8
12		BIHARSHARIFF-VARANASI	D/C	25	0	0.3	0.0	0.3
13	220 kV	PUSAULI-SAHUPURI	S/C	0	172	0.0	3.5	-3.5
14		SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	S/C	35	0	0.6	0.0	0.6
16		KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0
17	<u> </u>	KARMANASA-CHANDAULI	S/C	0	0 ER-NR	0.0 11.8	0.0 81.7	0.0 -69.9
Import/F	Export of	ER (With WR)			ER-NK	11.8	01./	-69.9
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1098	1	18.0	0.0	18.0
19	, 05 K V	NEW RANCHI-DHARAMJAIGARH	D/C	772	0	14.5	0.0	14.5
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1048	0	20.7	0.0	20.7
21		RANCHI-SIPAT	D/C	413	0	8.1	0.0	8.1
22	220 kV	BUDHIPADAR-RAIGARH	S/C	128	0	1.6	0.0	1.6
23		BUDHIPADAR-KORBA	D/C	153	0 ER-WR	2.5 65.4	0.0	2.5 65.4
Import/E		ER (With SR) ANGUL-SRIKAKULAM	D/C	0.0	755.9	0.0	9.6	-9.6
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	536.8	0.0	9.2	-9.2
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	990.3	0.0	16.1	-16.1
27	400 kV	TALCHER-I/C	D/C	1023.6	1.0	0.0	20.2	-20.2
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0 ER-SR	0.0	0.0 34.8	0.0 -34.8
Import/F	Export of	ER (With NER)			ER-5R	0.0	34.0	-54.0
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	623	0.0	11.6	-12
30		ALIPURDUAR-BONGAIGAON	D/C	0	254	0.0	3.5	-3
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	132 ER-NER	0.0	3.9 19.0	-4 -19.0
		NER (With NR)						
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	701 NER-NR	0.0	17.0 17.0	-17.0 -17.0
	Export of	WR (With NR)						
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2015	0.0	47.5	-47.5
34	HVDC	V'CHAL B/B	D/C	240	0	6.1	0.0	6.1
35 36		APL -MHG GWALIOR-AGRA	D/C D/C	0	1733 1309	0.0	35.5 53.0	-35.5 -53.0
37	1	PHAGI-GWALIOR	D/C D/C	0	1416	0.0	28.3	-28.3
38	765 kV	JABALPUR-ORAI	D/C	0	705	0.0	24.9	-24.9
39]	GWALIOR-ORAI	S/C	571	0	9.8	0.0	9.8
40		SATNA-ORAI	S/C	0	1839	0.0	39.5	-39.5
41		ZERDA-KANKROLI	S/C	244	156	0.0	0.6	-0.6
42	400 kV	ZERDA -BHINMAL	S/C	209	229	0.0	1.5	-1.5
43	1	V'CHAL -RIHAND	S/C	966	0	21.9	0.0	21.9
44	1	RAPP-SHUJALPUR BADOD-KOTA	D/C S/C	36 26	378 56	0.0	0.9	-3 -0.9
45	ł	BADOD-KOTA BADOD-MORAK	S/C S/C	3	96	0.0	1.3	-0.9
47	220 kV	MEHGAON-AURAIYA	S/C	37	24	0.0	0.1	0.1
48	1	MALANPUR-AURAIYA	S/C	9	41	0.0	0.5	-0.5
	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
49		WR (With SR)			WR-NR	38.0	236.2	-198.3
	Export of		-	0	309	0.0	7.2	-7.2
Import/E	HVDC	BHADRAWATI B/B		0	0	0.0	0.0	0.0
50 51	 	BARSUR-L.SILERU	-	0				1
50 51 52	HVDC	BARSUR-L.SILERU SOLAPUR-RAICHUR	D/C	1165	574	9.7	0.0	9.7
50 51 52 53	HVDC LINK 765 kV	BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD	D/C D/C	1165 150	858	0.0	5.9	9.7 -5.9
50 51 52 53 54	HVDC LINK	BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI	D/C D/C D/C	1165 150 822	858 0	0.0 13.6	5.9 0.0	9.7 -5.9 13.6
50 51 52 53 54 55	HVDC LINK 765 kV 400 kV	BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	D/C D/C D/C D/C	1165 150 822 0	858 0 0	0.0 13.6 0.0	5.9 0.0 0.0	9.7 -5.9 13.6 0.0
50 51 52 53 54	HVDC LINK 765 kV 400 kV	BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI	D/C D/C D/C	1165 150 822	858 0	0.0 13.6	5.9 0.0	9.7 -5.9 13.6
50 51 52 53 54 55 56	HVDC LINK 765 kV 400 kV	BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	D/C D/C D/C D/C S/C	1165 150 822 0 2	858 0 0 0	0.0 13.6 0.0 0.0	5.9 0.0 0.0 0.0	9.7 -5.9 13.6 0.0 0.0
50 51 52 53 54 55 56 57	HVDC LINK 765 kV 400 kV	BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	D/C D/C D/C D/C S/C S/C	1165 150 822 0 2	858 0 0 0 0 96 WR-SR	0.0 13.6 0.0 0.0 0.0	5.9 0.0 0.0 0.0 1.3	9.7 -5.9 13.6 0.0 0.0 -1.3 8.9
50 51 52 53 54 55 56	HVDC LINK 765 kV 400 kV	BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	D/C D/C D/C D/C S/C S/C	1165 150 822 0 2	858 0 0 0 0 96 WR-SR	0.0 13.6 0.0 0.0 0.0	5.9 0.0 0.0 0.0 1.3	9.7 -5.9 13.6 0.0 0.0 -1.3

POWER SYSTEM OPERATION CORPORATION LIMITED

Grid Monitoring Report for Kerala

23-Aug-2018 06:00 Hrs

1. Power Supply Position -

Description	Normal Value	12:00 Hrs (19 th Aug)	18:00 Hrs (19 th Aug)	24:00 Hrs (19th Aug)	06:00 Hrs (20th Aug)	12:00 Hrs (20th Aug)	18:00 Hrs (20th Aug)	24:00 Hrs (20th Aug)
SR Grid Demand Met (MW)	37000-40000	34750	32932	30799	32253	34979	35429	32166
Kerala Demand Met (MW)	2500-2900	1823	1943	1793	1796	2264	2292	2039
Grid Frequency (Hz)	50.00	50.05	50.06	50.10	50.06	50.07	50.03	50.09
Kerala Hydro Generation (MW)	1100-1300	1095	1098	1266	1256	1258	1295	1270
Drawl from Grid (MW)	1400-1600	682	808	545	523	951	1010	761

Description	Normal Value	06:00 Hrs (21st Aug)	12:00 Hrs (21 st Aug)	18:00 Hrs (21st Aug)	24:00 Hrs (21st Aug)	06:00 Hrs (22 nd Aug)	12:00 Hrs (22 nd Aug)	18:00 Hrs (22 nd Aug)
SR Grid Demand Met (MW)	37000-40000	32937	37304	36341	35237	35389	39128	36660
Kerala Demand Met (MW)	2500-2900	1972	2403	2482	2322	2229	2330	2331
Grid Frequency (Hz)	50.00	50.07	49.99	50.12	50.03	50.02	50.06	50.05
Kerala Hydro Generation	1100-1300	1238	1157	1279	1335	1297	1178	1313
Drawl from Grid (MW)	1400-1600	669	1238	1211	941	903	1093	994

Description	Normal Value	24:00 Hrs (22 nd Aug)	06:00 Hrs (23 rd Aug)
SR Grid Demand Met (MW)	37000-40000	35146	36976
Kerala Demand Met (MW)	2500-2900	2230	2171
Grid Frequency (Hz)	50.00	50.02	50.03
Kerala Hydro Generation (MW)	1100-1300	1358	1278
Drawl from Grid (MW)	1400-1600	840	879

2. Generation / Demand particulars for Kerala

Parameter	Normal value	18th Aug'18	19th Aug'18	20th Aug 18	21st Aug 18	22 nd Aug 18
Kerala Peak Demand (MW)	3600	2505	2595	3002	3126	3099
Kerala Energy Met (MUs)	62	44.5	45.1	53.8	57.76	57.66

3. Inter-State Lines Status

Name of Transmission Line	Status
400 KV Udumalpet - Palakkad D/C	In Service
400 kV Mysore - Kozhikode D/C	In Service
400 kV Tirunelveli - Trivandrum D/C	In Service
220 kV Idukki - Udumalpet	In Service
220 kV Edamon - Tirunalveli D/C	In Service
220 kV Kadakola - Kaniyampettai S/C	In Service
220 kV Theni - Sabarigiri	In Service

4. Generating Stations affected: (Details as per Annex-1)

Total Number of Generating stations affected due to flood (capacity in MW)	Total number of Generating stations Revived till Now (capacity in MW)	Generating units revived in last 06 hours (capacity in MW)	Remarks
17 (605MW)	6 (344 MW)	Nil	All 6 units of Pallivasal generating station were revived on 22.08.2018.

5. Substations Affected due to floods (Details as per Annex-1)

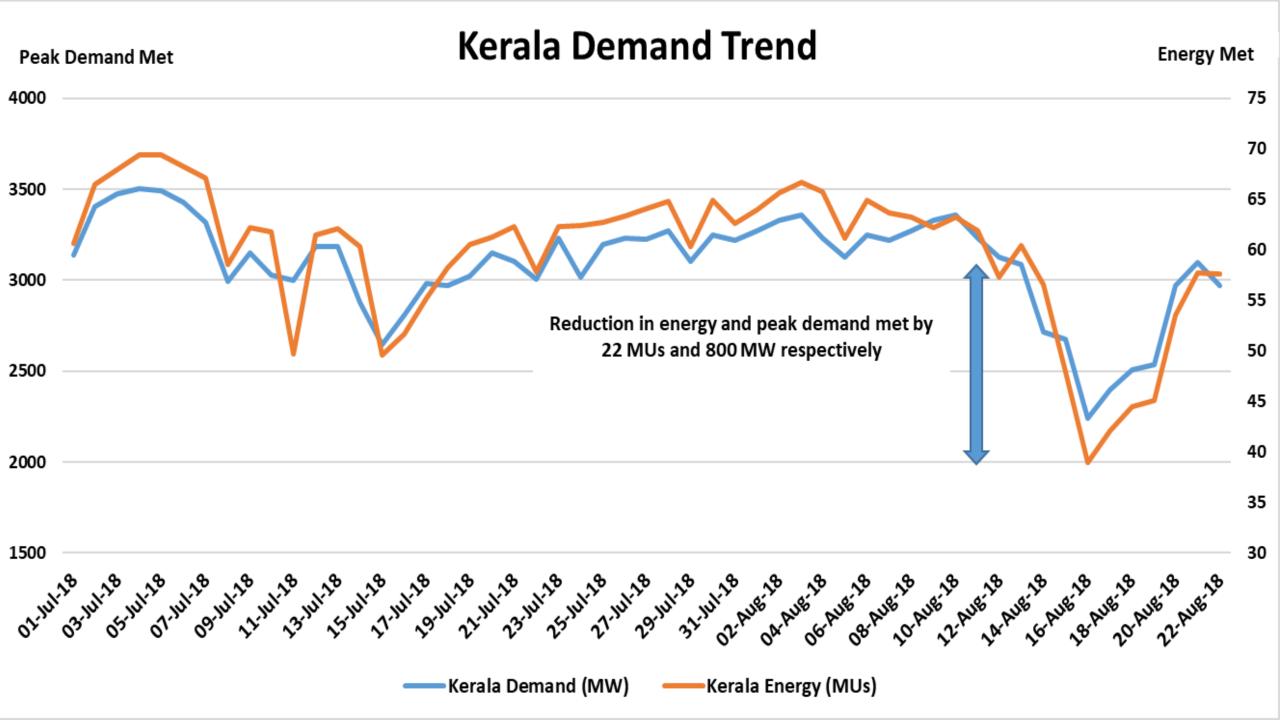
Voltage Level	Total Number of Substation affected due to flood	Total number of Substations Revived till Now	Substations revived in last 6 hours	Remarks
110 kV	06	06	Nil	110 kV KURUMASSERY S/s restored at 20:15 hrs on
66 kV	05	03	Nil	22.08.2018
33 kV	06	04	Nil	110 kV Edathua S/s restored at 14:06 hrs on 22.08.2018

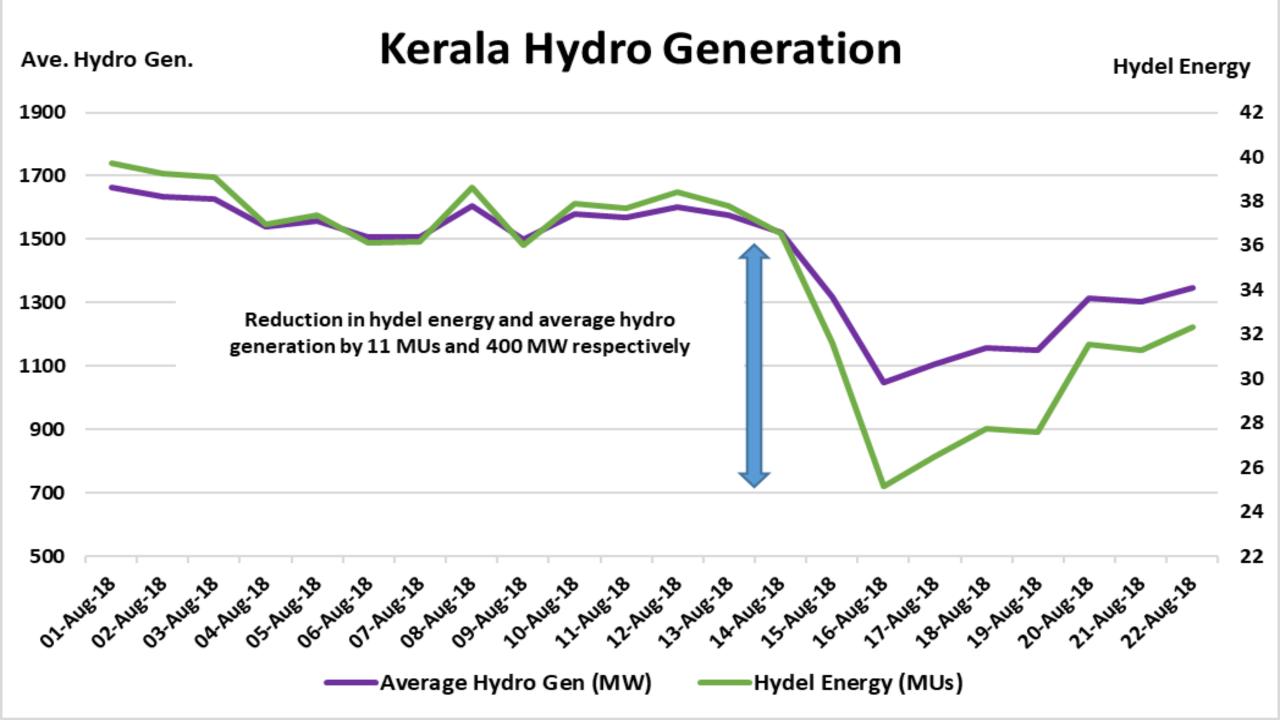
6. Transmission Lines Affected due to floods (Details as per Annex-1)

Voltage Level	Total Number of Transmission Lines affected due to flood	Total number of Transmission lines revived till now	Transmission lines revived in last 6 hours	Remarks
220 kV	03	03	Nil	
110 kV	14	10	Nil	110kV PUNNAPRA- EDATHUA ckt#1 Charged at 14:06 hrs on 22.08.2018. ckt#2 at 14:07 on 22.08.2018
66 kV	03	02	Nil	

				NA ⁻	TURAL CALAN	MITY- POWF	R SYSTEM C	ONDITION	Annex-1
				1474	TOTAL CALA		I STOTE IVI C	ONDITION	Date: 23/08/2018 06:00 HRS
	Genera	tion Affe	ected						
		SI.No.	Generating Station	Installed Capacity (MW)	Capacity affected due to inundation (MW)	Capacity revived till now (MW)	Present affected capacity (MW)	Reason for outage	Remarks
		Due to tra	Insmission constraints		ı			T	11-1444 from 0.20 has an 4C 00 2040 he 22 F0has an
	a	1	Idamalayar (2x37.5)	75	0	75	0	Line Constraints	Unit#1 from 8:30 hrs on 16.08.2018 to 23.50hrs on 19.08.18, Unit#2 from 8:30 hrs on 16.08.2018 to 00.39hrs on 20.08.18. Ayyampuzha feeder charged at 17:03 on 21.08.2018
		2	Kuthungal (3x7)	21	21	0	21	Line constraints, Flooding of PH	outage since 15:03 hrs, 15.08.2018. Communication not yet restored.
			Sub-Total	96	21	75	21		
		Due to po	wer house inundation/tail			/3	21		
		1	Panniyar (2x16)	32	32	0	32	Land Sliding & water entered to control room.	outage since 23:49 hrs, 15.08.2018
		2	Neriamangalam (3x17.5 +25)	77.5	76	59	17	Cooling water problems	Unit 1 - Outage from 2:17 hrs on 16.08.2018 to 15:52 hrs on 20.08.2018 Unit 2 - Outage from 00:27 hrs on 16.08.2018 (Yet to be restored) Unit 3 - Outage from 16:16 hrs on 16.08.2018 to 13:01 hrs on 17.08.2018 NES - Outage from 16:16 hrs on 16.08.2018 to 13:38 hrs on 18.08.2018
		3	Lower Periyar (3x60)	180	170	0	170	Due to flooding	Unit#1,2,3- Outage from 14:19 hrs on 14.08.2017. EHT feeders charged and machines not running.
		4	Poringal (4x9 +16)	54	54	0	54	Due to flooding	Outage since 05:49 hrs, 16.08.2018
1	b	5	Sabarigiri (2x60 +4x55)	340	170	170	0	Cooling water problems	Unit 3 - Outage from 15:51 hrs 15.08.2018 to 11:35 hrs on 16.08.2018,Outage from 12:03 hrs 16.08.2018 to 14:53 hrs on 16.08.2018 (Outage from 17:55 hrs 16.08.2018 to 14:53 hrs on 16.08.2018 (Outage from 17:55 hrs 16.08.2018 to 18:35 hrs on 16.08.2018 Unit 4 - Planned shutdown Unit 5 - Outage from 14:06 hrs 15.08.2018 to 17:46 hrs 16.08.2018, Outage from 17:58 hrs 16.08.2018 to 10:59 hrs 17.08.2018 Unit 6 - Outage from 14;14 on 15.08.2018 to 16:42 hrs on 15.08.2018,Outage from 16:56 hrs 15.08.2018 to 15:53 hrs on 17.08.2018, Outage from 17:28 hrs 17.08.2018 to 18:11 hrs on 17.08.2018, Outage from 20:48 hrs 17.08.2018 to 21:44 hrs on 17.08.2018 Quitage from 22:32 hrs 17.08.2018 to 12:43 hrs on 18.08.2018, Outage from 17:25 hrs on 18.08.2018 to 19:21 hrs on 18.08.2018. Intermittent trippings happened
		6	Maniyar (3x4)	12	12	0	12	due to flooding	No generation & communication
		8	Allungal (2x3.5) Karikayam (3x3.5)	15	10	10	0	due to flooding due to flooding, block in penstock 2.4MW unavailable due to	Outage since 22:45 hrs, 14-8-2018 Unit 2 - Outage from 10:30 hrs on 17.08.2018 to 16:05 hrs on 20.08.2018 Unit 3 - Outage from 10:30 hrs on 17.08.2018 to 16:05 hrs on 20.08.2018 Urumi stage 2 machines (3x.8=2.4MW)- Outage from 3:30 hrs on 08.08.2018 (Yet to be restored)
		9	Urumi 1 & 2 (3x1.25 + 3x0.8)	6.15	6.15	3.75	2.4	blocked canal due to landslide	Urumi stage 1 unit 1- Outage from 3:30 hrs on 08.08.2018 to 12:58 hrs 18.08.2018
		10 11	Poozhithodu (3x1.6) Ranni-perinad (2x2)	4.8	4.8	0	4.8	due to flooding due to flooding	Outage since 22:05hrs, 8-8-2018 Outage since 22:05hrs, 14-8-2018
		12	Chempukadavu (2.70+3.75)	6.45	6.45	0	6.45	due to flooding	Outage since 17:17hrs, 15-8-2018
		13	MATTUPETTY (2)	2	2	0	2	due to flooding	Outage since 15.00hrs, 11-8-2018
		14	ADYANPARA (2x1.5 +0.5)	3.5	3.5	0	3.5	due to flooding	Outage since 14-08-2018
		Due to 11	Sub-Total	744.4	557.9	242.75	315.15		
	c.	Due to ott	Pallivasal (3x7.5+3x5)	37.5	26	26	0	For flood control in Munnar Town	Outage since 12:23 hrs,14.08.2018. Unit 1 synced at 14:28 ,Unit6 synced at 14:38,Unit3 synced at 15:13,Unit4 synced at 15:25,Unit5 synced at 15:45,Unit2synced at 16:09 of 22.08.18
			Sub-Total nd Total	37.5 878	26 605	26 344	0 336		

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		Substatio	n switched off due to inundati	on			
		Sl.No.	Substation Name	Reason for Outage		Remarks	
		1	110KV KURUMASSERY	WATER ENTERED TO CR		switched off at 17:26 hrs of 15.08.2018, restored at 20:15 hrs of 22.08.18.	
		2	110KV MALAYATTOOR	WATER ENTERED TO CR		All EHT feeders restored by 23.00hrs on 19.08.18	
		3	110KV EDATHUA	WATER ENTERED TO CR		switched off at 21:35 hrs 16.08.2018, restored at 14:00 hrs on 22.08.2018	
		4	110 KV	WATER ENTERED TO CR		Restored by 9.45Hrs, 19-8-2018	
			KANDASANKADAV	WHEN EINERED TO GIV		switched off at 04:32 hrs, 18.08.2018. 110kv feeder	
		5	110KV PARAPPANANGAD	WATER ENTERED TO CR		restored at 11:02hr on 20.8.18;Transformer#2-charged 13:39Hrs on 20.8.18;Transfrmr#1 charged at 16:41Hrs on 20.8.18	
		6	110 KV EDAYAR	WATER ENTERED TO CR		switched off at 12:43 hrs,16-8-2018. restored by 16.15hrs on 19.08.18	
	а	7	66 KV KCPL	WATER ENTERED TO CR		switched off at 8:55 hrs, 16-8-2018	
	-	8	66 KV KUTTANAD	WATER ENTERED TO CR		switched off at 10.35 Hrs, 17-8-2018	
		9	66 KV VAIGA THREADS	NON AVAILABILITY OF FEEDER		switched off at 12.01 Hrs, 18-8-2018. Restored at 19:46Hrs on 19.08.2018	
		10	66KV KORATTY	WATER ENTERED TO CR		switched off at 12.01Hrs, 18-8-2018 & Restored by 12.50Hrs on 19.08.18	
		11	66KV MULAVUKAD	WATER ENTERED TO CR		Trfr #1 charged at 17.09Hrs, trfr #2 charged at 17.16Hr on 19.08.18	
		12	33 KV VELLIKULANGARA	WATER ENTERED TO CR		switched off at 12.01Hrs, 15-8-2018. Restored at 16:39Hrs on 20.08.2018	
		13	33 KV KALLETUMKARA	WATER ENTERED TO CR		Restored at 18.15 hrs on 19.08.18	
		14	33 KV VADAKEKARA	WATER ENTERED TO CR		switched off at 12.44Hrs, 16-8-2018	
		15	33 KV VARAPUZHA	WATER ENTERED TO CR		Restored at 14.25 hrs on 19.08.18	
		16	33 KV ALANGAD	WATER ENTERED TO CR		switched off at 12.46 Hrs, 16-8-2018	
		17	33 KV THAKAZHI	WATER ENTERED TO CR		Restored at 15.31hrs , 19-8-2018	
_		FHT lines	66kV and above) s/off due to	flood related issues			
		Sl.No.	ook and above / s/on due to	Name of Transmission Line	Reason for Outage	Remarks	
2		1	220 KV Madakathra-Lower Pe	riyar I&II	Lines switched off due to	Restored at 14.28Hrs, 16-8-2018	
-		2	220 KV Brahmapuram-Lower	Periyar I&II	landsliding at Lower Periyar Substation	Restored at 10:58hrs, 19-8-2018	
		3	220 kv IDUKKI-LOWER PERIYA	R I&II	renyai substation	Restored at 14.28hrs, 16-8-2018	
		4	110KV PUNNAPRA - CHENGAL		FOR SAFETY CLEARENCE	switched off at 19:06 hrs 17.08.2018	
		5	110KV PUNNAPRA - KODIMAT	THA	FOR SAFETY CLEARENCE	Switched off at 19:06 hrs 17.08.2018	
		7	110KV CHENGANNUR-TRIKO	DITHANAM	FOR SAFETY CLEARENCE	Switched off at 08:40 hrs 16.08.2018 and restored at	
						15:10Hrs on 20.08.2018	
		8	110KV CHENGANNUR- MALLA	PPILLY	FOR SAFETY CLEARENCE	15:10Hrs on 20.08.2018 Switched off at 08:39 hrs 16.08.2018 and restored at 16:11Hrs on 20.8.2018	
		9	110KV CHENGANNUR- MALLA 110kV PUNNAPRA-EDATHUA			Switched off at 08:39 hrs 16.08.2018 and restored at 16:11Hrs on 20.8.2018 Switched off at 21:35 hrs 16.08.2018. ckt#1 Charged at	
				#1,#2	FOR SAFETY CLEARENCE	Switched off at 08:39 hrs 16.08.2018 and restored at 16:11Hrs on 20.8.2018 Switched off at 21:35 hrs 16.08.2018. ckt#1 Charged 14:06 hrs on 22.08.2018. ckt#2 at 14:07 on 22.08.2011 110KV Kalamassery Edayar #2 charged at IAC at 11:23 hrs 17.08.2018,Ckt#1 charged at 10.51Hrs on 19-8-2018	
	b	9	110kV PUNNAPRA-EDATHUA	#1,#2 R#1,#2	FOR SAFETY CLEARENCE FOR SAFETY CLEARENCE	Switched off at 08:39 hrs 16.08.2018 and restored at 16:11Hrs on 20.8.2018 Switched off at 21:35 hrs 16.08.2018. ckt#1 Charged 14:06 hrs on 22.08.2018. ckt#2 at 14:07 on 22.08.2011 110KV Kalamassery Edayar #2 charged at IAC at 11:23 hrs 17.08.2018,Ckt#1 charged at 10.51Hrs on 19-8-2018 switched off at 7:12 hrs 16.08.2018. alternate supply availed at 33kv level	
	b	9	110kV PUNNAPRA-EDATHUA: 110kV KALAMASSERY- EDAYA	#1,#2 R#1,#2	FOR SAFETY CLEARENCE FOR SAFETY CLEARENCE	Switched off at 08:39 hrs 16.08.2018 and restored at 16:11Hrs on 20.8.2018 Switched off at 21:35 hrs 16.08.2018. ckt#1 Charged at 14:06 hrs on 22.08.2018. ckt#2 at 14:07 on 22.08.2018 110KV Kalamassery Edayar #2 charged at IAC at 11:23 hrs 17.08.2018,ckt#1 charged at 10.51Hrs on 19-8-2018 switched off at 7:12 hrs 16.08.2018. alternate supply availed at 33kv level	
	b	9 10 11	110kV PUNNAPRA-EDATHUA 110kV KALAMASSERY- EDAYA 110 KV KALAMASSERY-METRO	#1,#2 R#1,#2 D #1,2 IGADI	FOR SAFETY CLEARENCE FOR SAFETY CLEARENCE FOR SAFETY CLEARENCE FOR SAFETY CLEARENCE	Switched off at 08:39 hrs 16.08.2018 and restored at 16:11Hrs on 20.8.2018 Switched off at 21:35 hrs 16.08.2018. ckt#1 Charged at 14:06 hrs on 22.08.2018. ckt#2 at 14:07 on 22.08.2018 110KV Kalamassery Edayar #2 charged at IAC at 11:23 hrs 17.08.2018,Ckt#1 charged at 10.51Hrs on 19-8-2018 switched off at 7:12 hrs 16.08.2018. alternate supply availed at 33kv level Switched off at 04:32 hrs 18.08.2018 and restored on 20.08.18 at 11.02 hrs. TRIPPED DUE TO TREE FALL at 21:31Hrs on 15-8-2018. Restored at 20.08.2018 at 18:31 Hrs	
	b	9 10 11 12	110kV PUNNAPRA-EDATHUA: 110KV KALAMASSERY- EDAYA 110 KV KALAMASSERY-METRO 110KV CHELARI-PARAPPANAN	#1,#2 R#1,#2 D #1,2 IGADI M-KALAMASSERY	FOR SAFETY CLEARENCE FOR SAFETY CLEARENCE FOR SAFETY CLEARENCE FOR SAFETY CLEARENCE	Switched off at 08:39 hrs 16.08.2018 and restored at 16:11Hrs on 20.8.2018 Switched off at 21:35 hrs 16.08.2018. ckt#1 Charged at 14:06 hrs on 22.08.2018. ckt#2 at 14:07 on 22.08.2018 110KV Kalamassery Edayar #2 charged at IAC at 11:23 hrs 17.08.2018,Ckt#1 charged at 10.51Hrs on 19-8-2018 switched off at 7:12 hrs 16.08.2018. alternate supply availed at 33kv level Switched off at 04:32 hrs 18.08.2018 and restored on 20.08.18 at 11.02 hrs. TRIPPED DUE TO TREE FALL at 21:31Hrs on 15-8-2018. Restored at 20.08.2018 at 18:31 Hrs Switched off at 22:19hrs, 15-8-2018. Restored at 14.41Hrs on 22-08-2018. Charged from Chalakudy.Not ited at Poringal.	
	b	9 10 11 12 13	110KV PUNNAPRA-EDATHUA: 110KV KALAMASSERY- EDAYA 110 KV KALAMASSERY-METRO 110KV CHELARI-PARAPPANAN 110 KV ALUVA-CARBORANDA	#1,#2 R#1,#2 D #1,2 IGADI M-KALAMASSERY	FOR SAFETY CLEARENCE FOR SAFETY CLEARENCE FOR SAFETY CLEARENCE FOR SAFETY CLEARENCE DUE TO ACCESS FAILURE	Switched off at 08:39 hrs 16.08.2018 and restored at 16:11Hrs on 20.8.2018 Switched off at 21:35 hrs 16.08.2018. ckt#1 Charged at 14:06 hrs on 22.08.2018. ckt#2 at 14:07 on 22.08.2018 110KV Kalamassery Edayar #2 charged at IAC at 11:23 hrs 17.08.2018,Ckt#1 charged at 10.51Hrs on 19-8-2018 switched off at 7:12 hrs 16.08.2018. alternate supply availed at 33kv level Switched off at 04:32 hrs 18.08.2018 and restored on 20.08.18 at 11.02 hrs. TRIPPED DUE TO TREE FALL at 21:31Hrs on 15-8-2018. Restored at 20.08.2018 at 18:31 Hrs Switched off at 22:19hrs, 15-8-2018. Restored at 14.41Hrs on 22-08-2018. Charged from Chalakudy.No	
	b	9 10 11 12 13 14	110kV PUNNAPRA-EDATHUA: 110kV KALAMASSERY- EDAYA 110 KV KALAMASSERY-METRO 110kV CHELARI-PARAPPANAN 110 KV ALUVA-CARBORANDA 110kVPORINGAL-CHALAKUDY	#1,#2 R#1,#2 D#1,2 IGADI M-KALAMASSERY '1	FOR SAFETY CLEARENCE FOR SAFETY CLEARENCE FOR SAFETY CLEARENCE FOR SAFETY CLEARENCE DUE TO ACCESS FAILURE DUE TO FLOODING	Switched off at 08:39 hrs 16.08.2018 and restored at 16:11Hrs on 20.8.2018 Switched off at 21:35 hrs 16.08.2018. ckt#1 Charged at 14:06 hrs on 22.08.2018. ckt#2 at 14:07 on 22.08.2018 110KV Kalamassery Edayar #2 charged at IAC at 11:23 hrs 17.08.2018, ckt#1 charged at 10.51Hrs on 19-8-2018 switched off at 7:12 hrs 16.08.2018. alternate supply availed at 33kv level Switched off at 04:32 hrs 18.08.2018 and restored on 20.08.18 at 11.02 hrs. TRIPPED DUE TO TREE FALL at 21:31Hrs on 15-8-2018. Restored at 20.08.2018 at 18:31 Hrs Switched off at 22:19hrs, 15-8-2018. Restored at 14.41Hrs on 22-08-2018. Charged from Chalakudy.Not itied at Poringal. Switched off at 5:50hrs, 16-8-2018 and restored at	
	b	9 10 11 12 13 14 15	110kV PUNNAPRA-EDATHUA 110kV KALAMASSERY- EDAYA 110 kV KALAMASSERY-METRO 110kV CHELARI-PARAPPANAN 110 kV ALUVA-CARBORANDA 110kVPORINGAL-CHALAKUDY	#1,#2 R#1,#2 D #1,2 IGADI M-KALAMASSERY '1 Y2	FOR SAFETY CLEARENCE DUE TO ACCESS FAILURE DUE TO FLOODING DUE TO FLOODING	Switched off at 08:39 hrs 16.08.2018 and restored at 16:11Hrs on 20.8.2018 Switched off at 21:35 hrs 16.08.2018. ckt#1 Charged at 14:06 hrs on 22.08.2018. ckt#2 at 14:07 on 22.08.2018 110KV Kalamassery Edayar #2 charged at IAC at 11:23 hrs 17.08.2018,ckt#1 charged at 10.51Hrs on 19-8-2018 switched off at 7:12 hrs 16.08.2018. alternate supply availed at 33kv level Switched off at 04:32 hrs 18.08.2018 and restored on 20.08.18 at 11.02 hrs. TRIPPED DUE TO TREE FALL at 21:31Hrs on 15-8-2018. Restored at 20.08.2018 at 18:31 Hrs Switched off at 22:19hrs, 15-8-2018. Restored at 14.41Hrs on 22-08-2018. Charged from Chalakudy.Not itied at Poringal. Switched off at 5:50hrs, 16-8-2018 and restored at 12:49 Hrs on 20.8.18 Tripped at 15:07 hrs, 16-8-2018. Revived at 11:24 hrs	
	b	9 10 11 12 13 14 15 16	110kV PUNNAPRA-EDATHUA : 110kV KALAMASSERY- EDAYA 110 KV KALAMASSERY-METRO 110kV CHELARI-PARAPPANAN 110 KV ALUVA-CARBORANDA 110kVPORINGAL-CHALAKUDY 110kV PORINGAL-CHALAKUDY	#1,#2 R#1,#2 D#1,2 IGADI M-KALAMASSERY '1 Y2 N	FOR SAFETY CLEARENCE FOR SAFETY CLEARENCE FOR SAFETY CLEARENCE FOR SAFETY CLEARENCE DUE TO ACCESS FAILURE DUE TO FLOODING DUE TO FLOODING DUE TO FLOODING	Switched off at 08:39 hrs 16.08.2018 and restored at 16:11Hrs on 20.8.2018 Switched off at 21:35 hrs 16.08.2018. ckt#1 Charged 14:06 hrs on 22.08.2018. ckt#2 at 14:07 on 22.08.2018 110KV Kalamassery Edayar #2 charged at IAC at 11:23 hrs 17.08.2018,Ckt#1 charged at 10.51Hrs on 19-8-2018 switched off at 7:12 hrs 16.08.2018. alternate supply availed at 33kv level Switched off at 04:32 hrs 18.08.2018 and restored on 20.08.18 at 11.02 hrs. TRIPPED DUE TO TREE FALL at 21:31Hrs on 15-8-2018. Restored at 20.08.2018 at 18:31 Hrs Switched off at 22:19hrs, 15-8-2018. Restored at 14.41Hrs on 22-08-2018. Charged from Chalakudy.Notied at Poringal. Switched off at 5:50hrs, 16-8-2018 and restored at 12:49 Hrs on 20.8.18 Tripped at 15:07 hrs, 16-8-2018. Revived at 11:24 hrs on 21.8.18 Switched off at 17:14hrs, 16-8-2018 and restored on 20.08.18 at 08.36 hrs Switched off at 17:14hrs, 16-8-2018 and restored on 20.08.18 at 08.36 hrs Switched off at 17:14hrs, 16-8-2018 and restored at 11:30Hrs & 11.52Hrs respectively on 19-8-2018	
	ь	9 10 11 12 13 14 15 16 17	110kV PUNNAPRA-EDATHUA : 110kV KALAMASSERY- EDAYA 110 KV KALAMASSERY-METRO 110kV CHELARI-PARAPPANAN 110 KV ALUVA-CARBORANDA 110kVPORINGAL-CHALAKUDY 110kV PORINGAL-CHALAKUDY 110 KV CHALAKUDY-TRACTIOI 110 KV KALAMASSERY-EDAPL	#1,#2 R#1,#2 D#1,2 IGADI M-KALAMASSERY '1 Y2 N	FOR SAFETY CLEARENCE DUE TO ACCESS FAILURE DUE TO FLOODING DUE TO FLOODING DUE TO FLOODING	Switched off at 08:39 hrs 16.08.2018 and restored at 16:11Hrs on 20.8.2018 Switched off at 21:35 hrs 16.08.2018. ckt#1 Charged at 14:06 hrs on 22.08.2018. ckt#2 at 14:07 on 22.08.2018 110KV Kalamassery Edayar #2 charged at IAC at 11:23 hrs 17.08.2018,Ckt#1 charged at 10.51Hrs on 19-8-2018 switched off at 7:12 hrs 16.08.2018. alternate supply availed at 33kv level Switched off at 04:32 hrs 18.08.2018 and restored on 20.08.18 at 11.02 hrs. TRIPPED DUE TO TREE FALL at 21:31Hrs on 15-8-2018. Restored at 20.08.2018 at 18:31 Hrs Switched off at 22:19hrs, 15-8-2018. Restored at 14.41Hrs on 22-08-2018. Charged from Chalakudy.Not ited at Poringal. Switched off at 5:50hrs, 16-8-2018 and restored at 12:49 Hrs on 20.8.18 Tripped at 15:07 hrs, 16-8-2018. Revived at 11:24 hrs on 21.8.18 Switched off at 17:14hrs, 16-8-2018 and restored on 20.8.18 at 08.36 hrs Switched off at 17:14hrs, 16-8-2018 and restored at 11:30Hrs respectively on 19-8-2018 TRIPPED DUE TO TREE FALL 15-8-2018, 16:53hrs.	
	b	9 10 11 12 13 14 15 16 17 18	110kV PUNNAPRA-EDATHUA : 110kV KALAMASSERY- EDAYA 110 KV KALAMASSERY-METRO 110kV CHELARI-PARAPPANAN 110 KV ALUVA-CARBORANDA 110kV PORINGAL-CHALAKUDY 110kV PORINGAL-CHALAKUDY 110 KV CHALAKUDY-TRACTION 110 KV KALAMASSERY-EDAPLI 110 KV EDAYAR-NORTH PARA	#1,#2 R#1,#2 D#1,2 IGADI M-KALAMASSERY '1 Y2 N	FOR SAFETY CLEARENCE FOR SAFETY CLEARENCE FOR SAFETY CLEARENCE FOR SAFETY CLEARENCE DUE TO ACCESS FAILURE DUE TO FLOODING	Switched off at 08:39 hrs 16.08.2018 and restored at 16:11Hrs on 20.8.2018 Switched off at 21:35 hrs 16.08.2018. ckt#1 Charged 14:06 hrs on 22.08.2018. ckt#2 at 14:07 on 22.08.2018 110KV Kalamassery Edayar #2 charged at IAC at 11:23 hrs 17.08.2018,Ckt#1 charged at 10.51Hrs on 19-8-2018 switched off at 7:12 hrs 16.08.2018. alternate supply availed at 33kv level Switched off at 04:32 hrs 18.08.2018 and restored on 20.08.18 at 11.02 hrs. TRIPPED DUE TO TREE FALL at 21:31Hrs on 15-8-2018. Restored at 20.08.2018 at 18:31 Hrs Switched off at 22:19hrs, 15-8-2018. Restored at 14.41Hrs on 22-08-2018. Charged from Chalakudy.Notied at Poringal. Switched off at 5:50hrs, 16-8-2018 and restored at 12:49 Hrs on 20.8.18 Tripped at 15:07 hrs, 16-8-2018. Revived at 11:24 hrs on 21.8.18 Switched off at 17:14hrs, 16-8-2018 and restored on 20.08.18 at 08.36 hrs Switched off at 17:14hrs, 16-8-2018 and restored on 20.08.18 at 08.36 hrs Switched off at 17:14hrs, 16-8-2018 and restored at 11:30Hrs & 11.52Hrs respectively on 19-8-2018	
	ь	9 10 11 12 13 14 15 16 17 18 19	110kV PUNNAPRA-EDATHUA : 110kV KALAMASSERY- EDAYA 110 KV KALAMASSERY-METRO 110kV CHELARI-PARAPPANAN 110 KV ALUVA-CARBORANDA 110kV PORINGAL-CHALAKUDY 110kV PORINGAL-CHALAKUDY 110 KV CHALAKUDY-TRACTIOI 110 KV KALAMASSERY-EDAPLI 110 KV EDAYAR-NORTH PARA 66 KV ALUVA-PALLIVASAL-1	#1,#2 R#1,#2 D#1,2 IGADI M-KALAMASSERY '1 Y2 N	FOR SAFETY CLEARENCE FOR SAFETY CLEARENCE FOR SAFETY CLEARENCE FOR SAFETY CLEARENCE DUE TO ACCESS FAILURE DUE TO FLOODING	Switched off at 08:39 hrs 16.08.2018 and restored at 16:11Hrs on 20.8.2018 Switched off at 21:35 hrs 16.08.2018. ckt#1 Charged 14:06 hrs on 22.08.2018. ckt#2 at 14:07 on 22.08.2011 110KV Kalamassery Edayar #2 charged at IAC at 11:23 hrs 17.08.2018, ckt#1 charged at 10.51Hrs on 19-8-2018 switched off at 7:12 hrs 16.08.2018. alternate supply availed at 33kv level Switched off at 04:32 hrs 18.08.2018 and restored on 20.08.18 at 11.02 hrs. TRIPPED DUE TO TREE FALL at 21:31Hrs on 15-8-2018. Restored at 20.08.2018 at 18:31 Hrs Switched off at 22:19hrs, 15-8-2018. Restored at 14.41Hrs on 22-08-2018. Charged from Chalakudy.No tied at Poringal. Switched off at 5:50hrs, 16-8-2018 and restored at 12:49 Hrs on 20.8.18 Tripped at 15:07 hrs, 16-8-2018. Revived at 11:24 hrs on 21.8.18 Switched off at 17:14hrs, 16-8-2018 and restored on 20.08.18 at 08.36 hrs Switched off at 12:43hrs /Ckt#1 & 2 restored at 11.30Hrs &11.52Hrs respectively on 19-8-2018 TRIPPED DUE TO TREE FALL 15-8-2018, 16:53hrs. Restored at 11:236 hrs on 21.08.18 switched off at 11:08 hrs 17.08.2018 switched off at 11:08 hrs 17.08.2018 switched off at 11:08 hrs 17.08.2018	
3	b	9 10 11 12 13 14 15 16 17 18 19 20 21	110kV PUNNAPRA-EDATHUA : 110kV KALAMASSERY- EDAYA 110 KV KALAMASSERY- METRO 110kV CHELARI-PARAPPANAN 110 KV ALUVA-CARBORANDA 110kV PORINGAL-CHALAKUDY 110kV PORINGAL-CHALAKUDY 110 KV CHALAKUDY-TRACTIOI 110 KV KALAMASSERY-EDAPLI 110 KV EDAYAR-NORTH PARA 66 KV ALUVA-PALLIVASAL-1 66KV PALLOM - KUTTANAD	#1,#2 R#1,#2 D#1,2 IGADI M-KALAMASSERY '1 Y2 N	FOR SAFETY CLEARENCE DUE TO ACCESS FAILURE DUE TO FLOODING DUE TO SAFETY CLEARENCE FOR SAFETY CLEARENCE	Switched off at 08:39 hrs 16.08.2018 and restored at 16:11Hrs on 20.8.2018 Switched off at 21:35 hrs 16.08.2018. ckt#1 Charged at 14:06 hrs on 22.08.2018. ckt#2 at 14:07 on 22.08.2018 110KV Kalamassery Edayar #2 charged at IAC at 11:23 hrs 17.08.2018,Ckt#1 charged at 10.51Hrs on 19-8-2018 switched off at 7:12 hrs 16.08.2018. alternate supply availed at 33kv level Switched off at 04:32 hrs 18.08.2018 and restored on 20.08.18 at 11.02 hrs. TRIPPED DUE TO TREE FALL at 21:31Hrs on 15-8-2018. Restored at 20.08.2018 at 18:31 Hrs Switched off at 22:19hrs, 15-8-2018. Restored at 14.41Hrs on 22-08-2018. Charged from Chalakudy.Not tied at Poringal. Switched off at 5:50hrs, 16-8-2018 and restored at 12:49 Hrs on 20.8.18 Tripped at 15:07 hrs, 16-8-2018. Revived at 11:24 hrs on 21.8.18 Switched off at 17:14hrs, 16-8-2018 and restored on 20.08.18 at 08.36 hrs Switched off at 17:14hrs, 16-8-2018 and restored at 13:04 hrs on 14.8.18 Switched off at 17:14hrs, 16-8-2018 and restored at 11:30Hrs &11.52Hrs respectively on 19-8-2018 TRIPPED DUE TO TREE FALL 15-8-2018, 16:53hrs. Restored at 12:36 hrs on 21.8.18	





POWER MAP OF KERALA

AFFECTED GENERATING STATIONS

