Odisha Power Transmission Corporation Ltd.
Bhubaneswar.

Agenda
for
143rd Power System Operational Co-ordination Meeting

Date: 07.10.2020
Through Video Conferencing

Odisha Power Transmission Corporation Ltd. Bhubaneswar.

Agenda for 143rd PSOC Meeting to be held on 07.10.2020 through Video Conferencing

PART A

A. Confirmation of the minutes of the 142nd PSOC Meeting held on 29.02.2020

The minutes of meeting was circulated vide letter No. SGM (PS)-Pl-15/2019/798(48) dated 03.03.2020 to all the members and also uploaded in the SLDC website. Members may offer their comments. If there are no comments, the minutes of the meeting may please be confirmed.

PART B: GRID PERFORMANCE

Review of Grid Performance for the month of August'20.

A. Frequency:

Hourly frequency variation for the month of August '20.

Month	% of time frequency remained					Average
	<49.00	49.00-49.70	49.70-49.90	**49.90-50.05**	>50.05	
Jun'20	0.00	0.02	4.12	75.22	20.64	50.01
Jul'20	0.00	0.02	6.18	77.02	16.78	50.00
Aug'20	0.00	0.03	5.96	78.93	15.08	50.00

Maximum & Minimum frequency during the month of Jul'20 & Aug'20.

Month	Freq (Hz)	Date	Time
Jul'20	Maximum –50.39	05.07.20	03:46 Hrs
	Minimum – 49.64	14.07.20	22:08 Hrs
Aug'20	Maximum –50.24	21.08.20	13:33 Hrs
	Minimum – 49.60	31.08.20	19:11 Hrs

B. Grid Demand up to the month of August'20

Month	Max. Consumption		Demand		Maximum Demand			Minimum Demand		
	MU	Date	MU	Avg. (MW)	MW	Date	Time	MW	Date	Time
Apr'20	78.62	14.04.20	2072	2878	3623	14.04.20	20:00	1755	24.04.20	19:00
May'20	88.30	27.05.20	2407	3236	4082	26.05.20	20:00	1995	20.05.20	13:00
June'20	93.97	06.06.20	2513	3490	4360	06.06.20	23:00	2163	24.06.20	24:00
July'20	**96.86**	**20.07.20**	**2728**	**3667**	**4538**	**18.07.20**	**21:00**	**3027**	**14.07.20**	**06:00**
Aug'20	**94.29**	**28.08.20**	**2626**	**3530**	**4488**	**28.08.20**	**20:00**	**2594**	**26.08.20**	**05:00**

C. Voltage Profile of 220 kV Buses in OPTCL system for the month of: August'20

	MAXIMUM			MINIMUM		
220 KV	MAX	DAY	HOUR	MIN	DAY	HOUR
Atri	232.61	15	5:30	219.28	1	22:45
Balasore	233.65	26	6:00	213.74	1	22:30
Barkote	231.81	15	16:45	224.53	4	12:00
Bargarh	229.96	27	5:45	208.77	24	9:15
Bhadrak	233.77	26	6:00	197.28	9	21:15
Bhanjanagar	236.94	26	16:00	224.70	2	22:45
Bidanasi	232.73	26	6:00	217.83	1	22:45
BolangirN	232.15	27	5:45	212.93	24	9:15
Budhipadar	231.86	28	6:00	226.38	12	10:45
Chandaka	231.58	26	5:45	216.85	1	22:30
Cuttack	231.58	26	6:00	216.33	2	23:00
Duburi Old	233.65	26	6:00	219.16	2	22:45
Duburi New	233.02	26	6:00	218.64	2	22:45
Jayanagar	241.10	15	11:30	234.52	1	0:00
Joda	228.75	27	5:45	219.05	31	19:15
Katapalli	228.63	27	5:45	218.99	31	19:15
Lapanga	231.00	27	5:45	225.63	12	16:15
Laxmipur	241.27	20	6:45	233.08	31	19:45
Mendhasal	233.54	15	5:30	219.68	1	22:30
Meramundali	232.38	15	14:00	225.28	2	22:45
Narendrapur	235.33	16	17:00	218.76	1	14:45
Nayagarh	236.54	26	16:15	220.66	12	12:30
Paradeep	234.52	26	6:00	207.50	1	20:45
Tarkera	236.42	27	6:00	228.57	31	19:00
Theruvali	238.62	5	6:45	226.90	1	14:45
Rengali	229.90	15	16:45	223.78	23	20:30

The maximum Voltage of **241.27 kV** occurred at **Laxmipur 220 kV Bus.**, while **Bhadrak** 220 kV bus has experienced the minimum Voltage of **197.28 kV.** The 220 kV Voltage profile of all the major 220kV & 132kV Bus during the month of **Aug'2020** are indicated in System performance presentation.

Members may discuss.

D. Loading of 220/ 132 kV Auto at 220 kV S/Ss in OPTCL system for the month of Aug– 2020.

AUTO TRANSFORMER LOADING FOR THE MONTH OF AUGUST'2020

Name of the 220 kV Sub-Station (Feeding Sub-stations/Feeders)	Capacity	Drawal details						REMARKS
		Maximum			Minimum			
	MVA	MW	Day	Time	MW	Day	Time	
ATRI *{ Banki, Khurda, Chandpur & Argul}*	2x160	76.04	29th Aug 2020	12:30	26.36	23rd Aug 2020	17:30	
		76.00	29th Aug 2020	12:30	17.88	21st Aug 2020	9:45	
ASKA NEW	2x160	68.44	3rd Aug 2020	6:15	12.12	23rd Aug 2020	15:00	
		67.92	3rd Aug 2020	6:15	12.04	23rd Aug 2020	15:00	
BALASORE 220/132 KV *{ Balasore, Birla Tyre(I), Ispat Alloy(I), Jaleswar, Jaleswar(T)}*	3x160	72.96	31st Aug 2020	0:00	19.28	3rd Aug 2020	17:15	
		73.12	31st Aug 2020	0:00	19.12	3rd Aug 2020	17:15	
		72.04	31st Aug 2020	0:00	19.24	3rd Aug 2020	16:15	
BARGARH 220/132 kV	1x100	27.28	13th Aug 2020	16:30	0.40	5th Aug 2020	11:15	
	1x160	15.72	13th Aug 2020	16:30	0.04	27th Aug 2020	13:15	
BHADRAK 220/132 KV	1x100	45.00	6th Aug 2020	19:15	4.88	27th Aug 2020	17:45	
{Bargarh, Ghensh}	1x160	85.08	13th Aug 2020	14:30	6.16	7th Aug 2020	17:45	
	1x160	84.88	13th Aug 2020	14:30	11.56	24th Aug 2020	22:30	
BHANJANAGAR 220/132 KV	1x160	36.96	1st Aug 2020	14:45	6.36	16th Aug 2020	22:45	
{ Bhanjanagar, Aska, Phulbani, Ganjam, Chatrapur}	1x160	50.60	27th Aug 2020	19:00	5.24	16th Aug 2020	22:45	
BIDANASI 220/132 KV	1x100	25.68	17th Aug 2020	10:00	0.04	7th Aug 2020	4:30	
{Bidanasi, Khurda }	1x100	17.60	17th Aug 2020	10:00	0.04	19th Aug 2020	16:45	
	1x160	29.56	3rd Aug 2020	15:15	0.04	4th Aug 2020	16:45	
BOLANGIR (SADAIPALLI) 220/132 KV	2x160	99.08	2nd Aug 2020	19:15	7.24	30th Aug 2020	13:00	
{ Bolangir, Patnagarh, Sonepur, Saintala, Khariar, Barpalli }		99.08	2nd Aug 2020	19:15	7.24	30th Aug 2020	13:00	
		104.60	2nd Aug 2020	19:15	7.68	30th Aug 2020	13:00	
BUDHIPADAR 220/132 KV *{ Jharsuguda, Jharsuguda Tr, Cemco(I), MCL, Sundergarh,Brajarajnagar, Rajgangpur}*	2x160	87.32	12th Aug 2020	11:30	14.72	2nd Aug 2020	2:15	
		86.84	12th Aug 2020	11:30	0.04	28th Aug 2020	5:15	
CHANDAKA 220/132 KV	1x100	63.12	1st Aug 2020	22:45	17.40	23rd Aug 2020	17:15	
{ Chandaka, Bhubaneswar, Nimapada, Ransinghpur,	1x160	109.56	1st Aug 2020	22:45	30.60	23rd Aug 2020	17:15	
Puri,Kesura, Kaipadar Tr. }	1x100	68.52	1st Aug 2020	22:45	18.88	23rd Aug 2020	17:15	
	1x160	105.84	1st Aug 2020	22:45	17.48	10th Aug 2020	13:30	
CUTTACK	1x160	65.68	22nd Aug 2020	10:45	13.04	23rd Aug 2020	18:00	
	1x100	58.56	26th Aug 2020	11:45	7.92	23rd Aug 2020	17:45	
DUBURI 220/132 KV	1x160	59.48	2nd Aug 2020	20:00	0.08	18th Aug 2020	15:15	
{Duburi, Bamnipal(I), BRPL, MESCO, Jajpur Road,	1x100	UNDER SHUT DOWN						
Kalarangi, Jajpur Town}	1x100	35.88	2nd Aug 2020	20:00	0.04	4th Aug 2020	15:00	
GODA	1x160							
	1x100							
JAYAPATNA 220/132 KV.								
JAYANAGAR 220/132 KV. *[Damanjodi(NALCO), Traction S/S,*	1x160	43.92	8th Aug 2020	19:30	0.04	26th Aug 2020	4:15	
Tentulikhunti, Sunabeda, Jayanagar]	1x160	43.88	8th Aug 2020	19:30	0.04	26th Aug 2020	5:30	
JODA 220/132 KV	3x100	66.16	1st Aug 2020	22:30	20.60	20th Aug 2020	15:00	*** - Alternate P/S from Kuchei.*
{ Joda,Tensa, FAP(I), Bolani(I), Nalda Tr.,Polasponga,	3x160	74.36	13th Aug 2020	19:45	24.60	20th Aug 2020	15:00	
**Rairangpur, Bhalulata traction}*	3x100	66.04	1st Aug 2020	22:30	15.52	2nd Aug 2020	15:45	
KATAPALI 220/132 KV	1x100	27.68	19th Aug 2020	15:15	0.04	3rd Aug 2020	18:00	*Supported by*
{Chipilima,Bargarh, ACC,Sonepur & Katapali area load.}	1x100	27.80	19th Aug 2020	15:15	0.04	3rd Aug 2020	21:30	*Burla & Chipilima*
	1x160	47.28	10th Aug 2020	19:15	0.04	5th Aug 2020	13:15	*power.*
LAPANGA	2x160	72.32	10th Aug 2020	19:30	17.44	28th Aug 2020	2:15	
{Kuchinda, Aryan Viraj, Shyam Metallics}		72.12	10th Aug 2020	19:30	17.32	28th Aug 2020	2:15	
MERAMUNDALI 220/132 kV	3x100	43.76	31st Aug 2020	0:00	0.68	8th Aug 2020	12:45	
{Meramundali Traction, Dhenkanal, Navchrome(I),		43.00	31st Aug 2020	0:00	1.04	8th Aug 2020	12:45	
Hind Metal, Aarti,BRG}		70.44	21st Aug 2020	15:30	0.60	19th Aug 2020	19:00	
Mendhasal *{ Part area load of Khurda S/S}*	2x100	40.12	10th Aug 2020	13:30	7.99	23rd Aug 2020	17:15	
		37.82	10th Aug 2020	13:30	7.64	23rd Aug 2020	17:15	
NARENDRAPUR 220/132KV	2x160	97.00	30th Aug 2020	18:45	36.60	8th Aug 2020	16:00	
{ Narendrapur, NarendrapurTr, Berhampur,		93.40	30th Aug 2020	18:45	35.44	8th Aug 2020	16:00	
Chhatrapur, Ganjam, Balugaon, Digapahandi,								
Mohana.}	1x100	53.96	30th Aug 2020	18:45	19.64	20th Aug 2020	12:00	
PARDEEP 220/132 KV	1x100	61.84	1st Aug 2020	21:00	12.48	4th Aug 2020	16:45	
{ Paradeep, Kendrapada, Pattamundai, Chandikhol,	1x160	107.28	3rd Aug 2020	4:30	24.88	26th Aug 2020	15:45	
Cuttack, Jagatsinghpur, Phulnakhara}	1x160	99.88	3rd Aug 2020	4:30	19.28	4th Aug 2020	16:45	
TARKERA 220/132 KV	4x100	60.36	25th Aug 2020	11:00	6.08	4th Aug 2020	21:00	
[Rourkela, Rourkela Tr.,RSP(I), Chhend , Adhunik		64.16	25th Aug 2020	11:00	7.92	4th Aug 2020	21:00	
Metal, Rajgangpur, OCL(I), Rajgangpur Tr.]		53.96	2nd Aug 2020	2:45	6.16	4th Aug 2020	21:00	
		60.64	25th Aug 2020	11:00	7.08	4th Aug 2020	21:00	
THERUVALLI 220/132 KV.	2x100	60.56	20th Aug 2020	10:30	13.20	6th Aug 2020	11:45	*Rayagada & Paralakhemundi can be fed from Machhkund system.*
{Theruvali, IMFAL(I), JK(I), Junagarh, Kesinga,		64.08	20th Aug 2020	10:30	13.36	6th Aug 2020	11:45	
Powmex(I), Rayagada, }	1x160	78.12	30th Aug 2020	19:30	21.04	6th Aug 2020	11:45	
TTPS 220/132 KV	1x160	55.67	30th Aug 2020	23:30	0.00	19th Aug 2020	19:00	
{Chainpal, FCI (I), Angul, MCL Nandira(I), Rairakhole,	1x160	55.67	30th Aug 2020	23:30	0.00	19th Aug 2020	19:00	
Boinda, Kamakhyanagar, Kalarangi, Nuapatna,								
SAMANGARA	2x160							
{Puri, Nimapara & Konark}								

ICT LOADING FOR THE MONTH OF AUGUST' 2020								
Name of the 400 kV Sub-Station	Capacity	Drawal details						REMARKS
		Maximum			Minimum			
	MVA	MW	Day	Time	MW	Day	Time	
MERAMUNDALI	2x315	172.00	6th Aug 2020	19:45	14.40	21st Aug 2020	9:15	
		174.00	6th Aug 2020	19:45	14.40	21st Aug 2020	9:15	
MENDHASAL	2x315	180.00	3rd Aug 2020	15:15	63.60	16th Aug 2020	0:15	
		180.40	3rd Aug 2020	15:00	63.60	16th Aug 2020	0:15	
		179.20	3rd Aug 2020	15:15	63.20	16th Aug 2020	0:15	
DUBURI(N)	2x315	147.20	7th Aug 2020	14:00	1.60	26th Aug 2020	3:00	
		147.60	7th Aug 2020	14:00	2.00	26th Aug 2020	3:00	
LAPANGA	2x315	195.60	1st Aug 2020	16:15	0.40	18th Aug 2020	16:30	
		194.40	1st Aug 2020	16:15	0.40	24th Aug 2020	9:15	

E. DISCOM Drawal up to the month of August'20

Name of DISCOM	Month	Approved Energy Drawal Prorated for the month (MU)	Schedule Energy (MU)	Actual Energy Drawal (MU)	Open Access Import Schedule (MU)	Net Energy Drawal (MU)	Overdraw (MU)
		1	2	3	4	5=(3-4)	6=(5-2)
CESU	Apr'20	634.710	800.548	674.119	6.251	667.868	-132.68
	May'20	727.216	804.301	768.907	20.500	748.407	-55.894
	June'20	775.777	778.356	798.750	23.199	775.551	-2.805
	July'20	799.093	804.301	850.070	21.005	829.065	24.764
	Aug'20	775.480	775.480	860.439	75.109	785.330	9.850
WESCO	Apr'20	560.137	636.986	526.273	0.854	525.419	-111.567
	May'20	607.764	679.452	654.793	47.142	607.651	-71.801
	June'20	586.827	657.534	664.137	73.051	591.086	-66.448
	July'20	664.178	679.452	789.847	118.134	671.713	-7.739
	Aug'20	640.848	640.848	720.326	85.016	635.31	-5.538
NESCO	Apr'20	357.804	518.630	446.171	85.613	360.558	-158.072
	May'20	397.609	558.000	517.004	120.062	396.942	-161.058
	June'20	428.017	540.000	581.647	153.240	428.407	-111.593
	July'20	463.731	558.000	602.024	130.653	471.371	-86.629
	Aug'20	435.361	435.361	577.306	135.822	441.484	6.123
SOUTHCO	Apr'20	278.425	332.055	280.019	0.000	280.019	-52.036
	May'20	318.751	343.973	319.052	0.588	318.464	-25.509
	June'20	306.340	332.877	297.700	2.069	295.631	-37.246
	July'20	315.565	343.973	318.889	0.656	318.233	-25.74
	Aug'20	319.800	319.800	319.423	1.304	318.119	-1.681

The figures are as per EBC data. Energy drawal by SOUTHCO are excluding of energy consumed by NALCO at Damanjodi and IMFA at Theruvali.

Members may please discuss.

F. Energy Generation / Import up to the month of August'20

Figures in MU

Month	Thermal (TTPS+IbTPS)	OHPC & MKD	CGP Support	IPP Inj.	RE	ISGS	Total
April'20	919.10	591.31	154.39	337.05	55.73	14.40	2071.97
May'20	1022.44	609.54	225.72	444.16	64.24	41.36	2407.45
June'20	1028.62	550.29	232.58	403.95	66.64	230.98	2513.06

July'20	1058.39	707.17	303.57	403.90	69.48	186.06	2728.56
Aug'20	875.48	696.47	236.07	437.95	67.69	312.54	2626.20
Total	**4904.03**	**3154.78**	**1152.33**	**2027.01**	**323.78**	**785.34**	**12347.24**

G. Drawal of Machhakund Power

The drawal of Machhakund power up to the month of **August'20** are as detailed**:**

Month	**Total Generation**		**Odisha Drawl**		**AP Drawl**	
	MU	**Avg (MW)**	**MU**	**Avg (MW)**	**MU**	**Avg (MW)**
Apr'20	57.086	79.29	25.622	35.59	29.349	40.76
May'20	55.641	77.28	24.205	33.62	29.303	40.70
June'20	44.487	61.79	20.341	28.25	22.196	30.83
July'20	46.918	65.16	21.216	29.47	23.592	32.77
Aug'20	55.330	76.85	25.455	35.35	27.531	38.24
Total	**555.791**	**72.074**	**254.395**	**32.456**	**283.680**	**36.66**

In the 136th PSOC meeting Southco stated that Dasmantpur feeder in expected to be charged today i.e. on 21.08.2019.

Sr.GM (O&M), Zone –I suggested to explore the following link lines for providing adequate matching load in Machhakund system.

i. Connecting Patangi S/S or Proposed Lamtaput S/S with Podagada S/S through 132 kV link.
ii. Providing Sunabeda S/S area load in Machhakund system
iii. Modification of Jayanagar S/S to accommodate Jayanagar load

In the 137th PSOC meeting, SOUTHCO stated that 33 kV Dasmantpur feeder did not stand after charging. Insulators are being changed by the contractor. Sr. GM (Const) stated that 132 kV Patangi-Podagada line is under construction and expected by March'2020. He also suggested to utilize 132 kV NALCO-Sunabeda line to feed Sunabeda area load from Machhakund system by bus splitting.

In the 139th PSOC meeting SOUTHCO stated that insulator changing of Dasmantpur feeder is under progress. It was suggested that GRIDCO may convene a meeting with PMU for early restoration of the feeder, so that, more matching load can be provided in Machhakund system. SLDC may write to PMU to ascertain the status of feeders at Podagada S/S.

In the 140th PSOC meeting SOUTHCO stated that about 10 Nos of span have left for insulator changing. CGM (O&M) suggested to connect 33kV Medical feeder may with Podagada S/S for increase load at Machhakund system. Patangi –Podagada 132 kV connectivity is expected by March'19, by which, more load can be kept in Machhakund system. Further Rly. is requesting to change the connectivity of Rayagada Traction feeder from Rayagada to Theruvali S/S. GRIDCO has agreed to convene a meeting with PMU to discuss the issue.

In the 141th PSOC meeting GRIDCO has agreed to convene a meeting with PMU during the month of February'20 to discuss the issue. CGM (O&M) suggested that Kakariguma feeder may be added to Podagada S/S.

GRIDCO / O&M/SLDC/SOUTHCO may deliberate.

H. Under Frequency Relay operation in OPTCL System during the month of August'20.

Since, the frequency had never gone beyond the lowest setting of UFR, there was no UF Relay operation occurred during the month of **August'20.**

Members may note

I. Status of Open Access applications up to the month of August 2020

The status of different types of Open Access applications received and disposed by SLDC is as tabled.

Sl. No	Month	No of Applications received					No of Applications Disposed					No of App. Rejected	MU
		Intra - State	Inter-State			Total	Intra - State	Inter-State			Total		
			Bilateral		PX			Bilateral		PX			
			ST	MT/ LT				ST	MT/ LT				
1	April'20	39	36	0	32	107	39	36	0	32	107	0	581.09
2	May'20	68	56	0	34	158	68	56	0	34	158	0	858.52
3	June'20	106	19	0	56	181	106	19	0	56	181	0	612.13
4	July'20	69	34	0	40	143	69	34	0	40	143	0	727.35
5	Aug'20	130	37	1	41	209	130	37	1	41	209	0	701.02
	Total	412	182	1	203	798	412	182	1	203	798	0	3480.11

PART C – Issues discussed in the earlier OCC meetings of ERPC

C.1: Testing of primary frequency response of state generating units by third party agency--ERLDC

The Hon'ble Central Electricity Regulatory Commission (CERC), vide notification dated 12th April 2017, had notified Indian Electricity Grid Code (Fifth Amendment) Regulations, 2017. As per this notification, following proviso has been added at the end of Regulation 5.2 (g) of Part 5 of the Principal Indian Electricity Grid Code (IEGC) Regulations: *"Provided that periodic check- ups by third party should be conducted at regular interval once in two years through independent agencies selected by RLDCs or SLDCs as the case may be. The cost of such tests shall be recovered by the RLDCs or SLDCs from the Generators. If deemed necessary by RLDCs/SLDCs, the test may be conducted more than once in two years."* In compliance of IEGC, process of testing of primary frequency response of regional generating units (eligible for RGMO as per IEGC section 5.2 (f)) has been started by POSOCO. All the SLDCs are requested to share their action plan for testing of primary frequency response of the generating units.

SLDC, OHPC & OPGC may deliberate

C.2: Monthly Data on Category-wise consumption of electricity in States/UTs--- CEA

1. CEA vide mail informed that Hon'ble MoSP(IC) has desired the month-wise category-wise consumption data in the various States/UTs from April,2019 to July, 2020. CEA requested all the concerned utilities of States to furnish the data at the earliest. All the concerned utilities of States may furnish the data.
2. CEA also informed that Hon'ble MoSP(IC) has also desired to know the reasons for the use of captive power plants by Industrial Consumers despite availability of adequate power in the country.

SLDC & DISCOMs may deliberate

C.3: Data for preparation Load Generation Balance Report (LGBR) of ER for the year 2021-22

As per the IEGC, RPC Secretariat is responsible for finalization of the Annual Load Generation Balance Report (LGBR) for Peak as well as Off-peak scenarios and the annual outage plan for the respective region. To facilitate the preparation of LGBR of Eastern Region by ERPC Secretariat within the schedule period, the following data/information for

(a) Balance period of current Financial Year 2020-2021 with effect from October' 2020 to March' 2021 and (b) Financial Year 2021-2022 (April 2021 to March 2022) in respect of the constituents/utilities of Eastern Region is urgently required:.

i) The unit wise and station wise monthly energy generation proposed from existing units during (a) Balance period of current Financial Year 2020-2021 with effect from October' 2020 to March' 2021 and (b) Financial Year 2021-2022.
ii) Annual maintenance program for each of the generating units (thermal and hydro both).
iii) Generating units under R&M / long outage indicating date of outage and reasons of outage and expected date of return (thermal and hydro both).
iv) Partial and forced outage figures (in %) of generating units for the last 3 years.
v) Month wise peak demand (MW) – restricted and unrestricted peak demand.
vi) Month wise off-peak demand (MW).
vii) Month wise energy requirement (in MU).
viii) Month wise & source wise power (both MU & MW) purchase and/or sale plan.
ix) Schedule of commissioning of new generating units during (a) current Financial Year 2020-2021 with effect from October' 2020 to March' 2021, (b) Financial Year 2021-22 and unit-wise monthly generation program (in MU).
x) Allocation of power from new generating units.
xi) Month wise and annual planned outage of transmission system (Transmission lines 220kV and above / ICTs / Reactors/ other elements during (a) current Financial Year 2020-2021 with effect from October' 2020 to March' 2021 and (b) Financial Year 2021-22.

Information may please also be submitted in the form of soft copy through email (mail ID: sldcgridco@yahoo.com / cld_sldc@sldcorissa.org.in).

Members may furnish the above data.

C.4: Nomination of nodal persons for communication related to tripping of grid elements, primary frequency response observed at generating stations and Mock Black Start exercise

For analysis of tripping incident of any grid elements and primary frequency response of generating units in Odisha Power System, high resolution data from various generating stations is required. Also to plan and carry out mock black start exercise, co-ordination between executives of SLDC and OHPC is essential. For smooth communication regarding transfer of data and co-ordination, all the generating stations are requested to nominate at least one officer as nodal person for tripping analysis of any grid element and for primary frequency response analysis of generating units as well as to carry out mock black start exercise. Name, contact number and email address of nominated person may be shared.

OHPC/IBTPS may deliberate

C.5: 220 kV Inter-connecting lines of OPTCL with 400/220 kV Bolangir(PG), Keonjhar & Pandiabil S/s

In 141th PSOC meeting the status has been updated as follows:

Sl.	Name of the transmission line	Completion schedule
1.	**2 X 315MVA 400/220kV Bolangir S/s**	
a.	LILO of one circuit of Sadeipalli-Kesinga 220 kV D/C line at Bolangir (PG) S/S.	Construction of 220 kV Sadeipali- Kesinga line has started.
2.	**400/220 kV Keonjhar S/S.**	
a.	Keonjhar (PG)-Turumunga (220/132 kV) & 220 kV D/C Line.	By 2021. Order placed.
3.	**400/220 kV Pandiabil Grid S/s**	
a.	Pratapsasan(OPTCL)-Pandiabil (PG) 220 kV D/C	June'2020

C.GM (Cont) / CGM (Telecom) may update.

C.6: Update on status of telemetry

CERC vide order dated 28.02.2016 on Petition No. 007/SN/2014 directed NLDC and respective RLDCs to update the status of telemetry every month at their respective websites and take up the issue of persistent non-availability of data from Generating Stations/substations at RPC meetings for appropriate action. Major issues are given below:

xxxxxxx

Issues relating OPTCL Network:

Narsingpur data:

In the 132nd PSOC meeting CGM (Telecom) stated that survey work for Meramundali-Bhanjanagar line is under process. OPGW will be reached at site after completion of survey and preparation of drum schedule.

In the 134th meeting CGM (Telecom) stated that delivery of OPGW has already been started.

In the 135th PSOC meeting DGM (Telecom) stated that replacement of earth wire by OPGW in 220 kV Bhanjanagar-Meramundali is expected by December'2019

NALCO data: DGM (Telecom) stated that the vender list and rate will be provided to NALCO for placement of order by them.

In the 137th PSOC meeting, NALCO stated that the estimate has already been received from OPTCL (Telecom). Approval from higher authority in under process.

In the 139th PSOC meeting, NALCO stated that they need protection scheme to be incorporated in the estimate. PSOC advised NALCO to write Telecom wing of OPTCL for revise estimate.

In the 140th PSOC meeting, DGM (Telecom) stated that protection scheme has already been incorporated in the estimate. NALCO representative was not present in the meeting for deliberation.

In the 141th PSOC meeting, NALCO stated that the file is under process by their Finance wing.

Telecom / NALCO may deliberate the status

C.7: Mock Black start exercises in Eastern Region – ERLDC

Schedule and tentative date for conducting mock black start exercise in OHPC stations is as tabled.

Sl.	Name of Hydro Station	Schedule	Tentative Date	Schedule	Tentative Date
		Test-I		Test-II	
1	Upper Kolab	Last week of May-2019	Done on 19th July19	Last week of January 2020	
3	Rengali	2nd week of June 2019	Done on June'19	Last week of November 2019	Done on 07.03.20
4	U.Indravati	3rd week of June 2019	Done on June'19	2nd week of February 2020	
6	Balimela	3rd week of October 2019	Done on 17th July19	1st week of March 2020	Done on 12.02.20
9	Burla	Last week of June 2019	Done on 20th July' 2019	Last week of February 2020	Done on 11.02.20

SLDC / O&M/ OHPC may deliberate

C.08: Monitoring of Next Six-Month New Element Integration in OCC and Its Update on Monthly Basis --ERLDC

It has been observed that many elements are getting interconnected into the system and beforehand details are not available with the system operator resulting in difficulty in carrying our operational planning activity. In view of this, as a regular agenda all ISTS and ISGS/IPP to update the OCC regarding any new elements at 220 kV and above which will be integrated in

next six month with the grid. For State Grid, SLDC will be submitting the details on behalf of its intrastate Generation and transmission system. The format is given below:

Transmission Elements	Agency/ Owner	Scheme (ERSS/ TBCB/ Standing Committee/State	Schedule Completion	Projected Month for Completion	Issue Being Faced

In previous several OCC, Transmission licensees and SLDCs are requested to submit RLDC/RPC following details on monthly basis

- List of transmission element /generators of State and ISTS licensees synchronised in the last month.
- List of transmission element /generators expected to be synchronised during next month or in near future

Some SLDCs are submitting the list of intrastate and interstate line on regular basis, however transmission element /generators expected to be synchronised during next month or in near future is not submitted by any SLSC/Transmission licensee to RLDC/RPC.

In 163rd OCC, OCC advised all the constituents, SLDCs and ISTS licensees to submit the details to erldcprotection@posoco.co.in as per the format.

List of upcoming Transmission Element is received from Bihar and Jharkhand.

In the 141th PSOC meeting, DGM (Const) stated that the information has already been submitted.

CGM (O&M) / C.G.M. (const.) may deliberate.

C.9: Preparation of crisis management plan for Cyber Security in Power Sector in line with CERT-IN.

The activity of the preparation of Crisis Management Plan for countering the cyber-attacks and its implementation including the Mock Drills, audits etc. is being monitored by CEA regularly in line with crisis management plant of Ministry of Power. Power Utilities (including generation, transmission & distribution utilities) of eastern region are to furnish regularly the updated status to on the same to Chief Engineer, Distribution Planning & Development Division, CEA.

In 142nd OCC, ERLDC informed that, in line with Enquiry Committee Recommendation, cyber security audit is being conducted on regular basis for SCADA system installed at ERLDC and SLDC as well but cyber security audit for telecom infrastructure installed in Eastern Region is not being carried out.

OCC advised all the constituents to conduct the cyber security audit on telecom infrastructure installed in Eastern Region. It is further advised that compliance / mitigation of the points observed during the audit should also be completed for improvement of the telecom infrastructure in ER.

As suggested by CEA, a format has been circulated among ER constituents for furnishing the information of the respective systems for discussion in OCC Meeting. The format is enclosed at Annexure-E1.

OCC advised all the constituents to submit the information to ERPC as per Annexure-E1. OPTCL has submitted the required data

In the 139th PSOC meeting, IT stated that the Auditing is under process since 20th Nov'19 and will be completed today. The information has been submitted to ERPC in the prescribed format.

In the 140th PSOC meeting, SLDC stated that IT wing have forwarded the report in the prescribed format to ERPC for the Qr. ending Sept'2019.

In the 141th PSOC meeting IT stated that ISO certification for cyber security has been renewed for one year. Telecom may provide 3 Nos. CCTV, Fire alarm and biometric arrangement for their server room.

Sr. G.M (IT) /Telecom may update.

PART-D – Operational Issues

D.1: Non-compliance of drawal schedule by DISCOMs

Non-compliance of drawal schedule messages issued to Discoms during the month of **August'20**:

Sl. No	Name of Discom	No. of message issued	Over drawal (MU)	Deviation (%)
1	CESU	0	9.850	1.27
2	WESCO	0	-5.538	0.86
3	NESCO	0	6.123	1.41
4	SOUTHCO	0	-1.681	0.53
	Total	**0**	8.753	1.27

It is noticed that all the DISCOMs have maintained their drawal as per the schedule. Daily drawal profile of all DISCOMs is as indicated in the presentation.

SLDC/ Discoms may deliberate.

D.2: Compliance of CEA Regulations for Grid Connectivity of Renewable Energy Sources.

As per CEA (Technical Standards for connectivity to Grid) Regulations, 2007, dated 21st February 2007, the pertinent clauses 6 (iii) & 6 (iv) (b) of general Connectivity Conditions shall be applicable to all the Generating Projects including the renewable, which are getting connected to the Grid at voltage level of 33kV & above. Subsequently, CEA have notified the CEA (Technical Standards for Connectivity of the Distributed Generation Resources) Regulations 2013 dated 30.09.2013. These Regulations are applicable for "Distributed Generation Resources", which means A Generating Station feeding electricity into the System at voltage level below 33kV. Needless to mention that these Regulations also cover the renewable projects connected to the Distribution Licensee's System at voltage level of below 33kV. The letter received from CEA is annexed herewith.

SLDC has already forwarded the Regulations & a letter received from DoE, Govt. of Odisha to the Distribution Licensees.

A meeting has been convened by Gridco in this regard with the RE generators, OPTCL, Telecom & SLDC. In the meeting, two nos of agencies presented their data acquisition logic from the RE sources. It was decided that each agency will take up a pilot project for data communication from one RE source to SLDC. On completion of the above project next course of application shall be decided.

A committee has been constituted with representatives of GRIDCO, O&M, Telecom & SLDC. This issue was also discussed in the 16th GCC meeting held on 09.08.2019. GRIDCO assured to make a demo of data communication from MGM Solar at Tangi to SLDC by end of August'19.

After successful demonstration of the data communication from the pilot Solar plant by Chemtrol, A meeting was convened by GRIDCO with all the Solar developers, Telecom, SLDC, OPTCL & DISCOMs to discuss the commercial issue.

In the 140th PSOC meeting GRIDCO stated that the rate offered by M/s Chemtrol for integration of real time solar data is being examined by the developers. The next meeting is scheduled to be held on 27th December'19 to discuss and finalize the issue.

In the 141th PSOC meeting GRIDCO stated that 15th January'20 was the dead line fixed for placing order by the developers. Data communication is expected by end of March'2020.

GRIDCO may deliberate the status.

D.3: Data communication from newly commissioned RE sources connected at 132 kV- SLDC

There are as many 8 Nos. of Solar projects with installed capacity of 272.5 MW have connected with OPTCL network through 132 kV lines. The real time data of these plants are yet to be received at SLDC control room. Since the generation quantum is quite substantial (to the tune of 0.6 MU during a day), this has an impact on real time generation monitoring.

In the 133rd PSOC meeting CGM (Telecom) stated that Vinto Solar data can be integrated only after laying of optical fiber, which has been proposed for PSDF funding

In the 137th PSOC meeting CGM (Telecom) stated that laying of optical fiber is expected to be completed by December'2019. DGM (Telecom) suggested that SLDC may write a letter to Vento Power (Solar) at Kesinga to explore the data communication, since all communication equipment are available with them. Data communication can be made through after visit of the service Engineer of the company.

In the 138th PSOC meeting, it was suggested that Telecom may ensure establishment of data communication facility before recommending for connectivity for any Solar Plant.

In the 139th PSOC meeting Telecom stated that data communication from all the Solar stations connected through 132 kV is expected by January'2020.

In the 140th PSOC meeting, DGM (Telecom) stated that the Despatch Instruction for OPGW has already been issued. Laying of optical fiber is expected by June'20. As suggested by DGM (Telecom), SLDC may write a letter to Vento Power (Solar) at Kesinga to explore the data communication, since all communication equipment are available with them.

In the 141th PSOC meeting DGM (Telecom) stated that Vento Solar at Kesinga has procured PLC in place of RTU resulting non- communication of data. It was decided that GRIDCO shall approach all the RE projects to speed up the process of data communication. Telecom may explore the process for laying of optical fiber.

SLDC /Telecom may deliberate the status.

D.4: Despatch Scheduling for RE Generation.

At present about 19 Nos of RE generating plants having 340 MW installed capacity operating in the State. None of the plants are furnishing day ahead schedule except 2-3 Nos. In absence of day ahead Declared injection Schedule, there is a substantial mismatch of day ahead generation planning. Also SLDC is not aware of the PPA made by GRIDCO with the Solar plants. As such, it is requested that GRIDCO may forward the copy PPA made with the Solar plants and insist the plants to submit day ahead DC in respect of their plants to SLDC in 15 minute blocks.

In the 139th PSOC meeting GRIDCO assured to forward the PPAs before next PSOC meeting also to write all the Solar stations to submit day ahead injection schedule to SLDC. The said documents are yet to be received by SLDC.

In the 140th PSOC meeting, SLDC stated that the PPAs made by GRIDCO with Solar plants have been received by SLDC. GRIDCO was requested to ask the Solar plants to forward their day-ahead generation schedule to SLDC.

In the 141th PSOC meeting it was decided that GRIDCO shall convene a meeting with solar developer to discuss the issue of day ahead scheduling of solar power injection.

GRIDCO may deliberate the status.

D.5: Implementation of Automatic Meter Reading for OPTCL-Discom interface points.

In the 116th PSOC meeting, IT stated that out of 840 nos. of meters integrated, around data from 750 nos. of meters will be received each month. Data from the remaining 90 meters are to be collected manually.

In the 138th PSOC meeting IT stated that software development is under progress and expected to be completed for CESU area energy meters.
In the 139th PSOC meeting IT stated that M/S TCS has assured to extract 90% of meter data from CESU & SOUTHCO interface meters.

In the 140th PSOC meeting IT stated that the discrepancies have been intimated to M/s TCS. As per TCS report, they are not able to extract meter data on 1st day of the month due to removal of optical fiber link from the meter for data downloading.

IT / SLDC/ GRIDCO may update the status

D.6: Energy Accounting of Hydro & RE Generators.

As per the regulatory provisions, energy accounting of all the generators in a control area has to be carried out by the concerned SLDC. So SLDC proposes to compute the energy accounting of all the hydro generators and RE sources from October'2020.

GRIDCO/ SLDC may discuss.

D.7. Replacement/Rectification of Billing meters

It is observed that some billing meters used for energy accounting purpose are defective and the information regarding these meters has already been shared with O & M.

SLDC/O&M may deliberate

D.8: Utilization of 132 kV LILO line for Kalarangi S/S as 33 kV feeder

TPCODL is utilizing a part of 132 kV LILO line for Kalarangi S/S as 33 kV feeder, resulting in Goda S/s being connected through "T" arrangement with 132 kV Kamakhya Nagar-Duburi (Old) line. TPCODL may make the line free to complete the LILO arrangement. This issue had been discussed several times in earlier meetings and TPCODL (erstwhile CESU) had assured to make the said 132 kV line free.

TPCODL/ CGM (Const) may deliberate

D.9: 220kV Balimela-Upper Sileru line Status:

Long since the 220 kV Balimela-Upper sileru line is remaining in idle charged condition from Sileru end. Members may discuss how best to utilize the line.

GRIDCO/ O&M /SLDC may deliberate

PART E: OPERATIONAL PLANNING

E.1: Commissioning status of new Transmission elements.

The status of commissioning of new transmission elements deliberated in the last meeting is as follows:

Sl. No	Name of the Project	Expected month of Charging	DISCOM	33kV Take off Planning by DISCOMs (4 Nos. Feeder Bay)
1	220 kV Jayanagar-Jeypore(PG) 2nd DC line			
2	132/33kV CDA (Brajabiharipur) Cuttack S/s	Oct-20	TPCODL	
3	132/33kV Pratapsasan S/s	Oct-20	TPCODL	
4	132/33kV Gandia S/s	Feb-21	TPCODL	
5	132/33kV Rajnagar S/s	Mar-21	TPCODL	
6	220/33kV Telkoi S/s	Dec-20	TPCODL/NESCO	
7	132/33kV Maneswar S/s	Oct-20	WESCO	
8	220/33kV Deogarh S/s	Nov-20	WESCO	
9	132/33kV Bhatli S/s	Dec-20	WESCO	
10	132/33kV Hirakud S/s	Feb-21	WESCO	
11	132/33kV Birmaharajpur S/s	Mar-21	WESCO	
12	132/33kV Thuapalli S/s	Mar-21	WESCO	
13	132/33kV R Udayagiri S/s	Oct-20	SOUTHCO	
14	220/33kV Govindpalli S/s	Oct-20	SOUTHCO	
15	132/33kV G Udayagiri S/s	Dec-20	SOUTHCO	
16	220/132/33kV Gunupur S/s	Jan-21	SOUTHCO	
17	132/33kV Nawrangpur S/s	Feb-21	SOUTHCO	
18	132/33kV Boriguma S/s	Mar-21	SOUTHCO	

The status of 33 kV bays and takeoff arrangement by DISCOMs are as tabled

Sl no	Name of Project	DISCOM	Voltage	Date of Charging	Bays Available	Bays utilised by DISCOMs	Bays Available for utilisation by DISCOMs	Utilization in %
1	Konark	TPCODL	132/33	29-06-2015	4	1	3	25%
2	Samagara	TPCODL	220/132/33	14-07-2015	5	2	3	40%
3	Marshaghai	TPCODL	132/33	16-10-2015	5	2	3	40%
4	Atri	TPCODL	220/132/33	24-02-2016	4	0	4	0%
5	Mania	TPCODL	132/33	31-03-2016	5	2	3	40%
6	Infocity-II	TPCODL	220/33	23-12-2016	6	3	3	50%

7	Chandaka - B	TPCODL	220/132/33	28-03-2017	4	0	4	0%
8	Khajuriakata	TPCODL	132/33	28-03-2017	5	2	3	40%
9	Tirtol	TPCODL	132/33	05-01-2018	5	2	3	40%
10	Dhenkikote	TPCODL	132/33kV	24.02.2018	5	2	3	40%
11	Khuntuni	TPCODL	132/33	31-05-2018	5	2	3	40%
12	Narasinghpur	TPCODL	220/33	24-08-2018	5	3	2	60%
13	Unit-8	TPCODL	132/33	01-04-2019	5	3	2	60%
14	Kharagprasad	TPCODL	132/33kV	31.07.2019	1	0	1	0%
15	Mancheswar B	TPCODL	132/33kV	28.02.2020	5	0	5	0%
16	Goda	TPCODL	220/132/33kV	29.05.2020	5	0	5	0%
17	Satasankha	TPCODL	132/33kV	25.06.2020	5	0	5	0%
18	Malkangiri	Southco	220/33	27-03-2017	4	2	2	50%
19	Muniguda	Southco	132/33	29-11-2017	4	0	4	0%
20	Podagada	Southco	132/33	09-02-2018	4	2	2	50%
21	Chikiti	Southco	132/33	25-02-2019	5	2	3	40%
22	Aska New	Southco	220/132/33	31-03-2019	5	1	4	20%
23	Kasipur	Southco	220/33	30-06-2019	4	1	3	25%
24	Patangi	Southco	132/33	15-09-2019	4	2	2	50%
25	Bangiriposi	Nesco	132/33	03-10-2016	4	2	2	50%
26	Bhogarai	Nesco	132/33	28-03-2017	4	1	3	25%
27	Udala	Nesco	132/33	16-09-2018	5	3	2	60%
28	Keonjhar	Nesco	220/33	31-12-2018	5	2	3	40%
29	Chandbali	Nesco	132/33	20-02-2019	4	1	3	25%
30	Betanati	Nesco	132/33	19-04-2019	4	2	2	50%
31	Agarpada	Nesco	132/33	30-08-2019	5	1	4	20%
32	Jayapatana	Wesco	220/132/33	11-07-2019	4	2	2	50%
33	Kantabanji	Wesco	132/33	28-02-2018	5	2	3	40%
34	Baragarh New	Wesco	220/132/33	21-03-2018	1	0	1	0%
35	Ghens	Wesco	132/33	13-04-2018	4	4	0	100 %
TOTAL					154	54	100	35%

In the 140th PSOC meeting AGM (Const.) stated that 2 Nos. 40 MVA Transformers have been provided in the proposed Maneswar S/S. WESCO may divert all loads from Chipilima PH S/S to Maneswar S/S to make free the Chipilima PH S/S. SLDC suggested to instruct and impart training the executives deployed at the newly charged S/Ss for extraction of the meter data and forward to SLDC. DGM (Const.) suggested that SLDC may write a letter to CGM (Const.) in this regard

In the 141th PSOC meeting WESCO stated that due to shortage of funds they cannot construct 33 kV line. It was suggested that CGM (Const) may convene a meeting to review the take-off arrangement.

CGM (Construction) / DISCOMs may deliberate

E.2: Major Events in the month of August'20

1. On Dt. 06.08.20 at 17:20 Hrs -Unit #1(8MW) of BPPPL (Baitarani Power Project Pvt Ltd) synchronized with the Grid (M/s BPPPL connected to Grid S/S Anandpur through 132 kV SC Line).
2. On Dt. 06.08.20 at 19:21 Hrs- 315 MVA, 400/220 kV ICT-II at Tata Steel Ltd, Kalinganagar S/S charged.
3. On Dt. 07.08.20 at 13:37 Hrs -Unit #2(8MW) of BPPPL (Baitarani Power Project Pvt Ltd) synchronized with the Grid (M/s BPPPL connected to Grid S/S Anandpur through 132 kV SC Line).
4. On Dt. 07.08.20 at 16:27 Hrs- 315 MVA, 400/220 kV ICT-I at Tata Steel Ltd, Kalinganagar S/S charged.
5. On Dt. 14.08.20 at 13:24 Hrs - 40 MVA, 132/33 kV Power Transformer- II charged at Grid S/S, New Bargarh.
6. On Dt. 15.08.20 at 01:09 Hrs - 132 kV Tusura-Deogaon RTSS charged.
7. On dt. 21.08.20 at 00:25 Hrs: - Unit #3(8MW) of BPPPL (Baitarani Power Project Pvt Ltd) synchronised with the Grid (M/s BPPPL connected to Grid S/S Anandpur through 132 kV SC Line).

Members may note

E.3: Important Grid Incidences during the month of August'20.

On Dtd. 03.08.2020 at 16:17 Hrs, 220kV Rengali switchyard (OPTCL)- Tarkera S/C tripped due to B Phase to Earth fault. At 16:58Hrs, 220kV Rengali switchyard (OPTCL)- Barkote S/C tripped due R & Y Phase fault. At 17:17 Hrs, 220kV Rengali switchyard (OPTCL)- Rengali (PG) Ckt-2 tripped due to Y & B phase fault. At 17:35 Hrs, 220kV Rengali switchyard (OPTCL)- Rengali (PG) Ckt-1 tripped due to B phase fault. At the same time 220kV TSTPP- Rengali P.H. S/C tripped from TSTPP end resulting in complete power failure at 220kV Rengali switchyard (OPTCL) and at 220kV Rengali PH. All running units at Rengali P.H. tripped due to loss of evacuation path.

O&M may discuss

E.4: Outage of major transmission Elements during the month of August'20. (above 10 hrs).

Sl No	Transmission line / element	Tripping Dt/time	Restoration Dt/time	Reason
1	132kv Lapanga-Jharsuguda feeder	02.08.20 00:33	03.08.20 15:13	Due to snapped jumper
2	132KV Nuapatna-Khajuriakata-Denkhanal 'T' line.	02.08.20 22:43	03.08.20 09:43	Distance relay tripped, zone 2, 46.06kms
3	220kV Atri-Narendrapur Ckt-II	13.08.20 15:36	14.08.20 17:14	B Phase insulator damaged at Loc No-428.
4	220 kV Tarkera-Bonai Feeder	15.08.20 16:39	16.08.20 12:22	R Phase Suspension Insulator damaged at Loc. 610.
5	220/132kV 100 MVA Auto Tfr- I at Tarkera	20.08.20 18:02	21.08.20 09:56	Tripped on Buccholz Relay
6	132KV Balasore-Udala feeder	26.08.20 17:15	27.08.20 13:58	Suspension insulator string punctured at Loc no-76 (R & Y) and 77 (R, Y & B).

O&M may discuss

E.5: Prolonged outage of Transmission elements

Sl No	Transmission line / element	Date of outage	Reason	Expected date of restoration
1	220 kV Samangara - Pandiabil ckt -I &II	03.05.2019	Tower Collapsed during cyclone FANI	Project handed over to PGCIL
2	400 kV New Duburi Meramundali ckt- I & II	19.03.2020	Multiple towers collapsed at loc no 17,18 & 19	Expected to be charged by Sept- 2020.
3	100 MVA Auto-II at Grid S/S, Duburi	08.03.2020	Tripped on Buchholz alarm and differential protection.	Problem in tertiary winding as per E&MR wing.
4	132 kV Chandaka -BPPL feeder	11.07.2020	Erection & Commisioning of 4 Nos of PA type interposing towers in view of low ground clearance	Work in progress. Expected to be charged in the 2nd week of September-2020.

O&M may discuss

E.6: Review of Outage Program of State Generators for the month of October'20:

Tentative Outage programe for State Generators for the month of **October'20**

Sl.	Station	Unit	Period	Remarks
1	Burla	# 1 # 5 # 6 # 7	14.03.18 to continue 25.10.16 to continue 16.10.15 to continue 06.12.19 to continue	T&G cover water leakage Under R, M & U Under R, M & U Annual Maintenance
2	Balimela	# 1 # 2 # 4	05.08.16 to continue 20.11.17 to continue 02.03.20 to continue	Under R&M Under R&M Problem in PMG
4	U. Kolab	# 3	07.01.20 to continue	Generator Bearing Temp. High

OHPC may deliberate

E.7: Generation Program for the month of October'20.

Generation schedule for the month of October'20 furnished by OHPC are given below.

Name of Hydro Gen. Station	Generation Program (MW)		Reservoir Level as on 01.09.2020	Reservoir Level as on 01.09.2019	MDDL	High Flood Reservoir Level
	Oct'20 (1st fortnight)	Oct'20 (2nd fortnight)				
HPS-I, Burla	100	100	625.91 ft.	622.93 ft.	590 ft.	630 ft.
HPS-II, Chiplima	50	50			-	-
Balimela	300	300	1496.5 ft.	1491.70 ft.	1440 ft.	1516 ft.
Rengali	240	240	123.8 mtr.	122.08 mtr.	109.72 mtr	123.5 mtr.
U.Kolab	100	100	850.54 mtr.	853.43 mtr.	844 mtr	858 mtr.
U. Indravati	350	350	636.86 mtr.	640.38 mtr.	625 mtr	642 mtr
MKD (O/D)	40	40	2739.2 ft.	2745.85 ft.	2685 ft.	2750 ft.
TOTAL	**1180**	**1180**				

Generation schedule may change depending on inflow & availability of machine.

SLDC / OHPC may deliberate

E.8: Anticipated power generation and demand for the month of October'20.

Sl. No	Discom	Average	Peak
1	CESU	1100	1300
2	WESCO	1030	1150
3	NESCO	800	950
4	SOUTHCO	470	550
5	**Total Discom**	3400	3950
	System Loss & others	**100**	**150**
	Total Demand	**3500**	**4100**
Availability			
1	Hydro	1180	1350
2	State Thermal	910	910
3	IPP, small hydro &RE	820	780
4	ISGS share (including OA& purchase)	900	1000
5	CGP support (OA)	300	300
6	**Total availability**	**4110**	**4340**
7	**Surplus / Deficit**	**610**	**240**

Members may discuss.

PART F: OTHER ISSUES

F.1: Agenda of NESCO:

(i) Data suspect for Joda Grid, Jajpur Town Grid, Rairangpur Grid, Bangiriposi-Kalabadia feeder.

(ii) As RVDU shows suspected data, it is quite unpredictable to know the exact drawl schedule position for that suspected data. Therefore it is requested to reflect the normal loading position for the above suspected data.

(iii) There is huge difference of 15-22MU between RVDU drawl data and actual drawl data since last two-three months, due to which it is difficult to maintain the minimum deviation at the end of the month.

(iv) 132/33KV Dhenkikote, 132/33KV Chandabali, 132/33KV Agarpada Grid data are to be incorporated in the RVDU.

Telecom /Nesco may deliberate